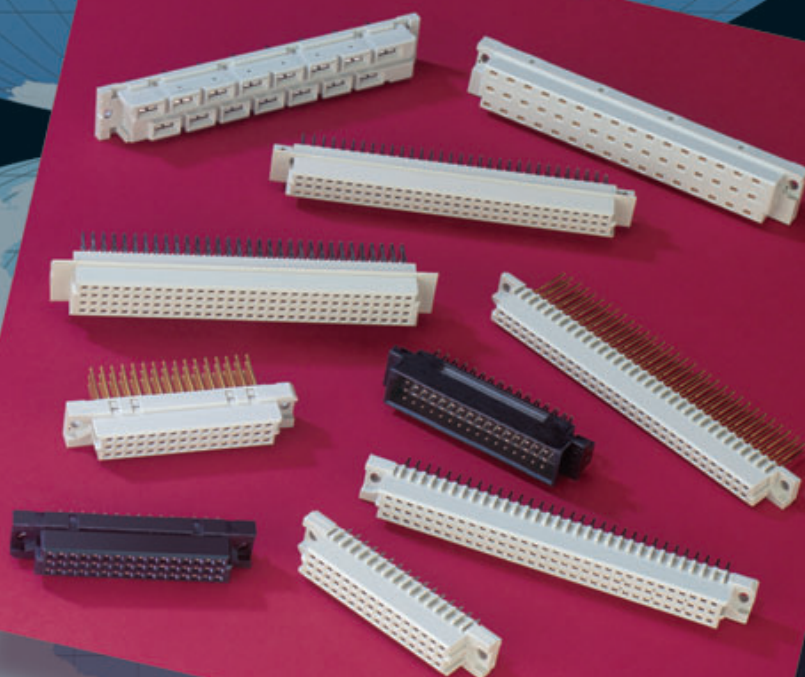
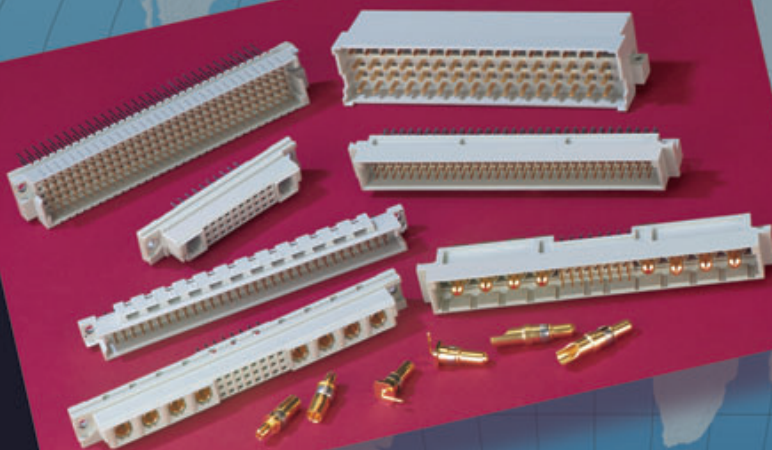


AVAX
A KYOCERA GROUP COMPANY



**DIN41612 / EN60603-2
Connectors**

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Male 2 rows 2 x 32 contacts	Series 8457
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Male 3 rows 3 x 10 contacts	Series 8457
Female 3 rows 3 x 10 contacts	Series 8457
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Male 3 rows 3 x 16 contacts	Series 8457
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Male 3 rows 3 x 32 contacts	Series 8457
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Style H 10 + 2	33
Male 2 rows 2 x 5 contacts + 2 special contacts	Series 8449
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Male 1 row 11 contacts	Series 8450
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Male 2 rows 1 x 7 + 1 x 8 contacts	Series 8456
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Male 3 rows 2, 4 contacts	Series 8483
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Male 3 rows up to 10 special or 78 standard contacts	Series 8483
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Female 3 rows (inverted) 3 x 16 contacts	Series 8477
Male 3 rows (inverted) 3 x 16 contacts	Series 8477
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Female 3 rows (inverted) 3 x 32 contacts	Series 8477
Male 3 rows (inverted) 3 x 32 contacts	Series 8477
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Female 4 rows (inverted) 4 x 32 contacts	Series 8477
Male 4 rows (inverted) 4 x 32 contacts	Series 8477
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Male 5 rows (inverted) 5 x 32 contacts	Series 8477
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by Maximum No. of Cavities

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Solder Terminations

11 cavities	Style H 11	Male	1 row	11 contacts	35
	Style H 11	Female	1 row	11 contacts	36
12 cavities	Style H 10 + 2	Male	2 rows	2 x 5 contacts + 2 special contacts	33
	Style H 10 + 2	Female	2 rows	2 x 5 contacts + 2 special contacts	34
15 cavities	Style H 15	Male	2 rows	1 x 7 + 1 x 8 contacts	37
	Style H 15	Female	2 rows	1 x 7 + 1 x 8 contacts	38
	Style H 15 Crimp	Female	2 rows	1 x 7 + 1 x 8 contacts	39
30 cavities	Style 1/3 C	Male	3 rows	3 x 10 contacts	17
	Style 1/3 C	Female	3 rows	3 x 10 contacts	18
	Style 1/3 R	Male	3 rows	(inverted) 3 x 10 contacts	55
32 cavities	Style 1/2 B	Male	2 rows	2 x 16 contacts	13
	Style 1/2 B	Female	2 rows	2 x 16 contacts	14
	Style D	Male	2 rows	2 x 16 contacts	25
	Style D	Female	2 rows	2 x 16 contacts	26
	Style 1/2 Q	Female	2 rows	(inverted) 2 x 16 contacts	51
	Style 1/2 Q	Male	2 rows	(inverted) 2 x 16 contacts	52
	Style 1/2 M	Male	3 rows	2, 4 special, 12, 30 signal contacts	40
	Style 1/2 C	Male	3 rows	3 x 16 contacts	19
48 cavities	Style 1/2 C	Female	3 rows	3 x 16 contacts	20
	Style E	Male	3 rows	3 x 16 contacts	27
	Style E	Female	3 rows	3 x 16 contacts	28
	Style F	Male	3 rows	3 x 16 contacts	29
	Style F	Female	3 rows	3 x 16 contacts	30
	Style 1/2 R	Female	3 rows	(inverted) 3 x 16 contacts	56
	Style 1/2 R	Male	3 rows	(inverted) 3 x 16 contacts	57
	Style B	Male	2 rows	2 x 32 contacts	15
64 cavities	Style B	Female	2 rows	2 x 32 contacts	16
	Style G	Male	4 rows	4 x 16 contacts	31
	Style G	Female	4 rows	4 x 16 contacts	32
	Style Q	Female	2 rows	(inverted) 2 x 32 contacts	53
	Style Q	Male	2 rows	(inverted) 2 x 32 contacts	54
	Style M	Male	3 rows	up to 10 special or 78 standard contacts	41
80 cavities	Style M	Female	3 rows	up to 10 special or 78 standard contacts	42
	Style M	Male	3 rows	up to 10 special or 52 standard contacts	43
	Style M	Female	3 rows	up to 10 special or 52 standard contacts	44
	Style C	Male	3 rows	3 x 32 contacts	21
96 cavities	Style C	Female	3 rows	3 x 32 contacts	22
	Style R	Female	3 rows	(inverted) 3 x 32 contacts	58
	Style R	Male	3 rows	(inverted) 3 x 32 contacts	59
	Style C Expanded	Male	4 rows	4 x 32 contacts	23
128 cavities	Style R Expanded	Female	4 rows	(inverted) 4 x 32 contacts	60
	Style R Expanded	Male	4 rows	(inverted) 4 x 32 contacts	61
	Style R Expanded	Female	3 rows	(inverted) 3 x 50 contacts	64
150 cavities	Style C Expanded	Male	5 rows	5 x 32 contacts	24
160 cavities	Style R Expanded	Female	5 rows	(inverted) 5 x 32 contacts	62
	Style R Expanded	Male	5 rows	(inverted) 5 x 32 contacts	63

Press-Fit Terminations

30 cavities	Style 1/3 C	Male	3 rows	3 x 10 contacts	71
	Style 1/3 C	Female	3 rows	3 x 10 contacts	72
	Style 1/3 R	Male	3 rows	(inverted) 3 x 10 contacts	89
32 cavities	Style 1/2 B	Male	2 rows	2 x 16 contacts	68
	Style 1/2 Q	Female	2 rows	(inverted) 2 x 16 contacts	83
	Style 1/2 Q	Male	2 rows	(inverted) 2 x 16 contacts	84 - 85
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48 cavities	Style 1/2 C	Male	3 rows	3 x 16 contacts	73
	Style 1/2 C	Female	3 rows	3 x 16 contacts	74
	Style 1/2 R	Female	3 rows	(inverted) 3 x 16 contacts	90
	Style 1/2 R	Male	3 rows	(inverted) 3 x 16 contacts	91

by Maximum No. of Cavities

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64 cavities	Style B	Male	2 rows	2 x 32 contacts	69
	Style B	Female	2 rows	2 x 32 contacts	70
	Style Q	Female	2 rows	(inverted) 2 x 32 contacts	86
	Style Q	Male	2 rows	(inverted) 2 x 32 contacts	87 - 88
80 cavities	Style M	Female	3 rows	up to 10 special or 78 signal contacts	80 - 81
96 cavities	Style C	Male	3 rows	3 x 32 contacts	75
	Style C	Female	3 rows	3 x 32 contacts	76
	Style R	Female	3 rows	(inverted) 3 x 32 contacts	92
	Style R	Male	3 rows	(inverted) 3 x 32 contacts	93
128 cavities	Style C Expanded	Female	4 rows	4 x 32 contacts	77
	Style R Expanded	Female	4 rows	(inverted) 4 x 32 contacts	95
	Style R Expanded	Male	4 rows	(inverted) 4 x 32 contacts	96
150 cavities	Style R Expanded	Female	3 rows	(inverted) 3 x 50 contacts	94
160 cavities	Style C Expanded	Female	5 rows	5 x 32 contacts	78
	Style R Expanded	Female	5 rows	(inverted) 5 x 32 contacts	97
	Style R Expanded	Male	5 rows	(inverted) 5 x 32 contacts	98

High Temperature Terminations

48 cavities	Style 1/2 C	Male	3 rows	3 x 16 contacts	100
	Style 1/2 C	Female	3 rows	3 x 16 contacts	101
	Style 1/2 R	Female	3 rows	(inverted) 3 x 16 contacts	104
	Style 1/2 R	Male	3 rows	(inverted) 3 x 16 contacts	105
96 cavities	Style C	Male	3 rows	3 x 32 contacts	102
	Style C	Female	3 rows	3 x 32 contacts	103
	Style R	Female	3 rows	(inverted) 3 x 32 contacts	106
	Style R	Male	3 rows	(inverted) 3 x 32 contacts	107
128 cavities	Style R Expanded	Female	4 rows	(inverted) 4 x 32 contacts	108
150 cavities	Style R Expanded	Female	3 rows	(inverted) 3 x 50 contacts	109

IDC Terminations

48 cavities	Style 1/2 C	Female	3 rows	3 x 16 contacts	110
96 cavities	Style C	Female	3 rows	3 x 32 contacts	111

Crimp Terminations

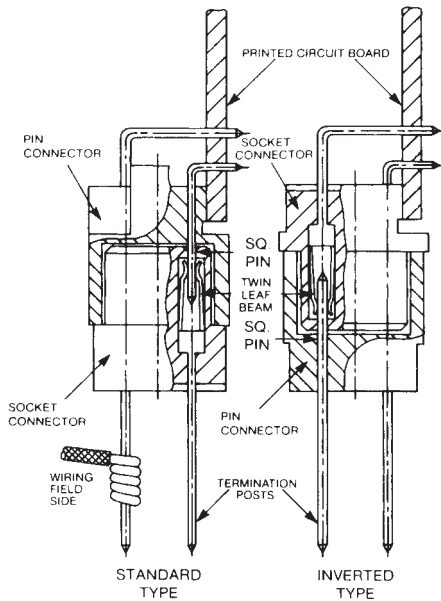
96 cavities	Style C	Female	3 rows	3 x 32 contacts	112
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8237 Cover Assembly for 8457 Header & Receptacle	114
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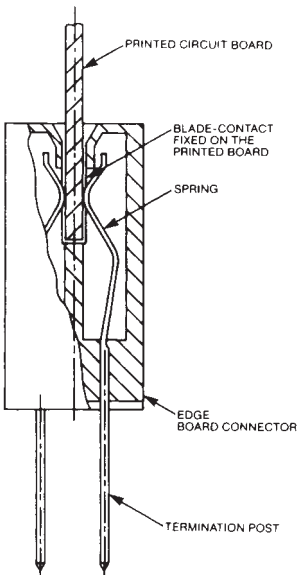
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2521 Style R & 1/2 R Ejector/Latch for Header	116
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2525 Power Pack Connectors	117
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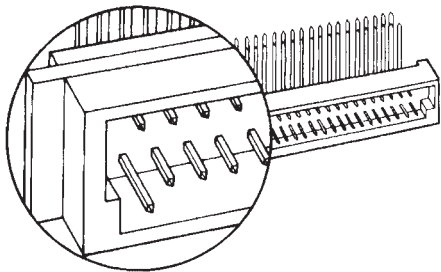
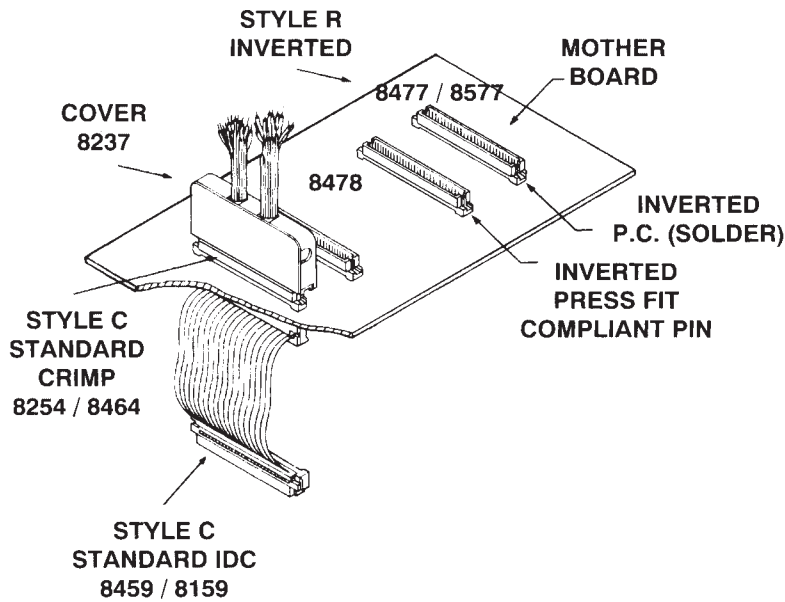


**DIN 41612 (EN60603-2)
Two Piece Connector**



Standard Card Edge Connector

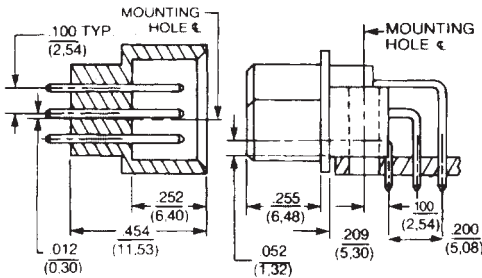
MAKE-GROUND-BEFORE-SIGNAL CONTACTING SEQUENCE



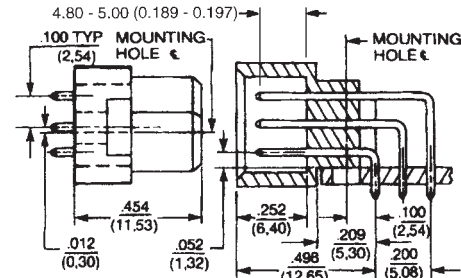
Standard Mating length is 4.8-5.0mm
Ground Pins are 0.8mm longer

To order this feature, see  symbol in
loading description code for each header
connector series.

TYPICAL MOUNTING DIMENSIONS



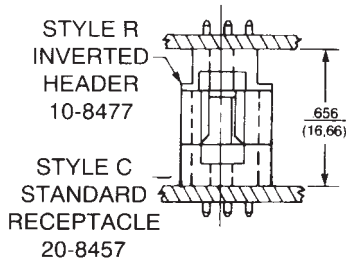
**Style R
Inverted
8477/8478/8577**



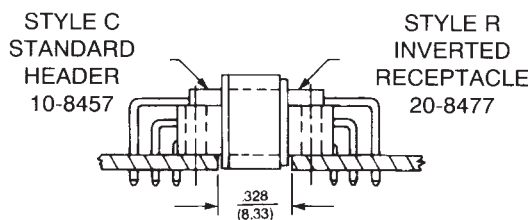
**Style C
Standard
8457/8458/8557**

BOARD-TO-BOARD MOUNTING DIMENSIONS

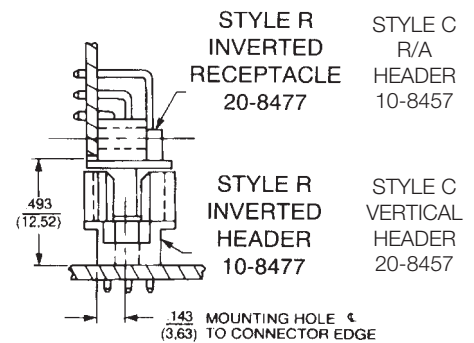
Parallel



Card Extender



Daughter Card to Mother Board



APPROVALS

The DIN line is approved against all important standardization systems.

**DIN 41612/
DIN-EN60603-2**

German "Deutsches Institut für Normung" standards

IEC603-2

Industrial Electrical Code

MIL-C-55302

(DESC military specification)

BS 9000

(British Post Office Standard)

BT

(British Telecom)

NFC 93.420

PTT

UTE C 93.420

(Switzerland, Italy, Spain)

UL File # E189169

2521	8447	8478	8557
8254	8457	8483	8577
8257	8458	8484	
8443	8459	8485	
8444	8477	8502	



CSA File # LR 108833

8254	8453	8459	8487
8443	8454	8464	8484
8444	8456	8477	8488
8447	8457	8478	8557
8448	8458	8483	8577



KEYING

This keying system has been developed in order to avoid the insertion of daughter boards into the wrong slot of a card cage. Apart from the fact that the keying system is easy to handle it provides a very cost efficient solution and has the following advantages:

- No breaking-off plastic parts for keying purposes in plug or receptacle insulators.
- No tools required.
- Keying can be changed, keying mistakes can easily be corrected.
- Keys are supplied as handy strips carrying 12 keys. The needed number of keys is broken off the strip and put into the corresponding cavities of the male insulator. The balance of the keys (still on the strip) is inserted into the cavities of the keying system of the female insulator. The strip is then broken off. The version with keys on a strip is a considerable advantage against competitors' solutions using loose coding keys.
- Keying versatility (924 different positions).
- Compatible with leading manufacturers' products.
- Keys are available in white or red color.
- Styles B, C, D*, E, Q, R and 1/2C are available.

ORDERING CODES

Plastic keying strip, red 60 2427 30 74 12 000
 Plastic keying strip, white 60 2427 30 14 12 000

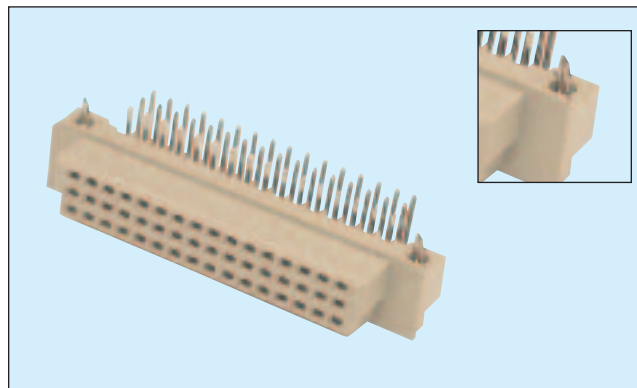
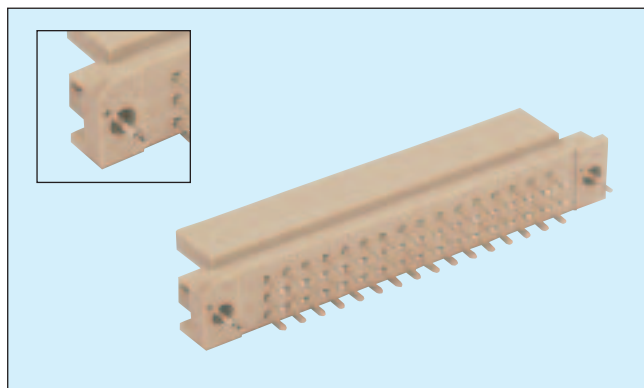
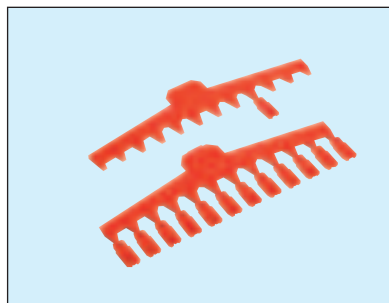
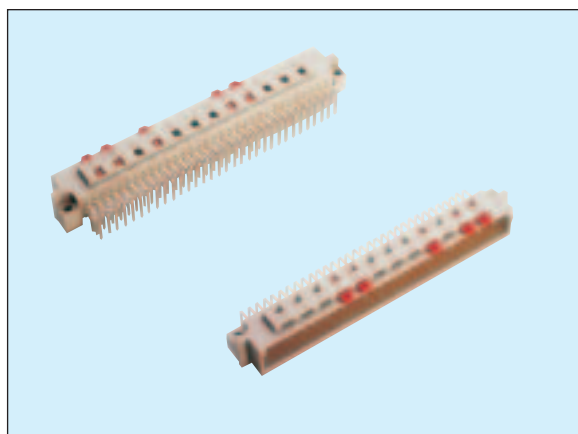
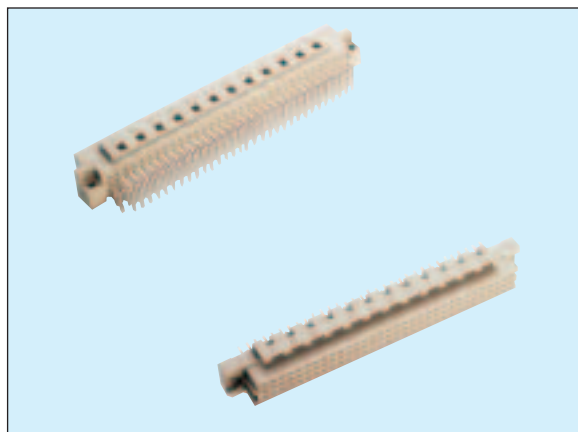
*Style D square post .024 x .024 (0.6 mm x 0.6 mm) available with integrated keying.

KEYING

Keying Strips provide positive daughter-board to backpanel keying for multi-position assemblies. Key tabs are easily removed with pliers. Part # 30-8267-9210

BOARD RETENTION CLIPS

Available on DIN (right angle & straight, headers & receptacles)... Clips are installed at the factory. Board retention clips eliminate the need for mounting hardware. They are designed to hold the connector in place during soldering.



HOW TO KEY

Both plug and receptacle insulators have keying cavities on top.

Picture 1

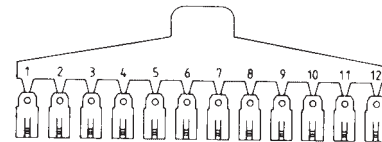
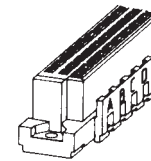
Marked by letters from A to M.

The keys attached to the strip fit into these cavities.

Picture 2

The keys are numbered 1-12.

The keys 1, 2, 3, ..., 12 are inserted into the cavities A, B, C, ..., M.



Example for

standard system

1. Keying of the fixed connector

(receptacle for standard system, plug for inverted system)

Choose six cavities into which the keys shall be inserted. Break the related keys individually off the strip and insert them into the chosen cavities.

Picture 3 receptacle

Ex: 22 8457 096

2. Keying of the free connector

(plug for standard system, receptacle for inverted system)

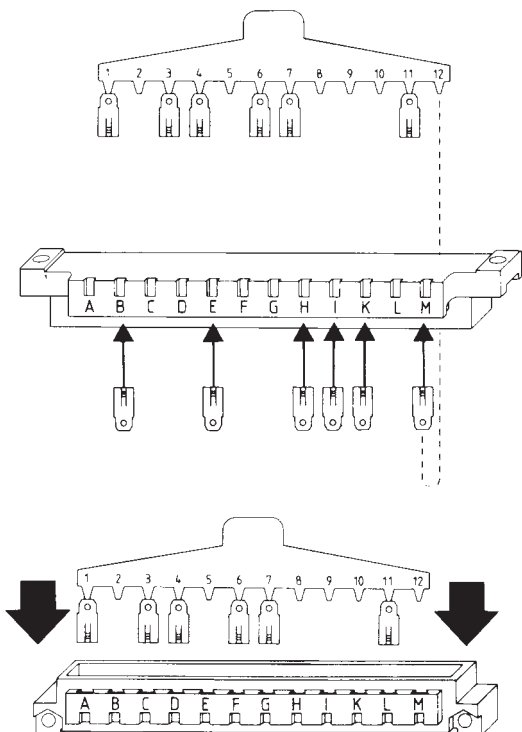
Insert the balance of the keys remaining attached to the strip into the belonging cavities and break off the strip.

Picture 4 plug

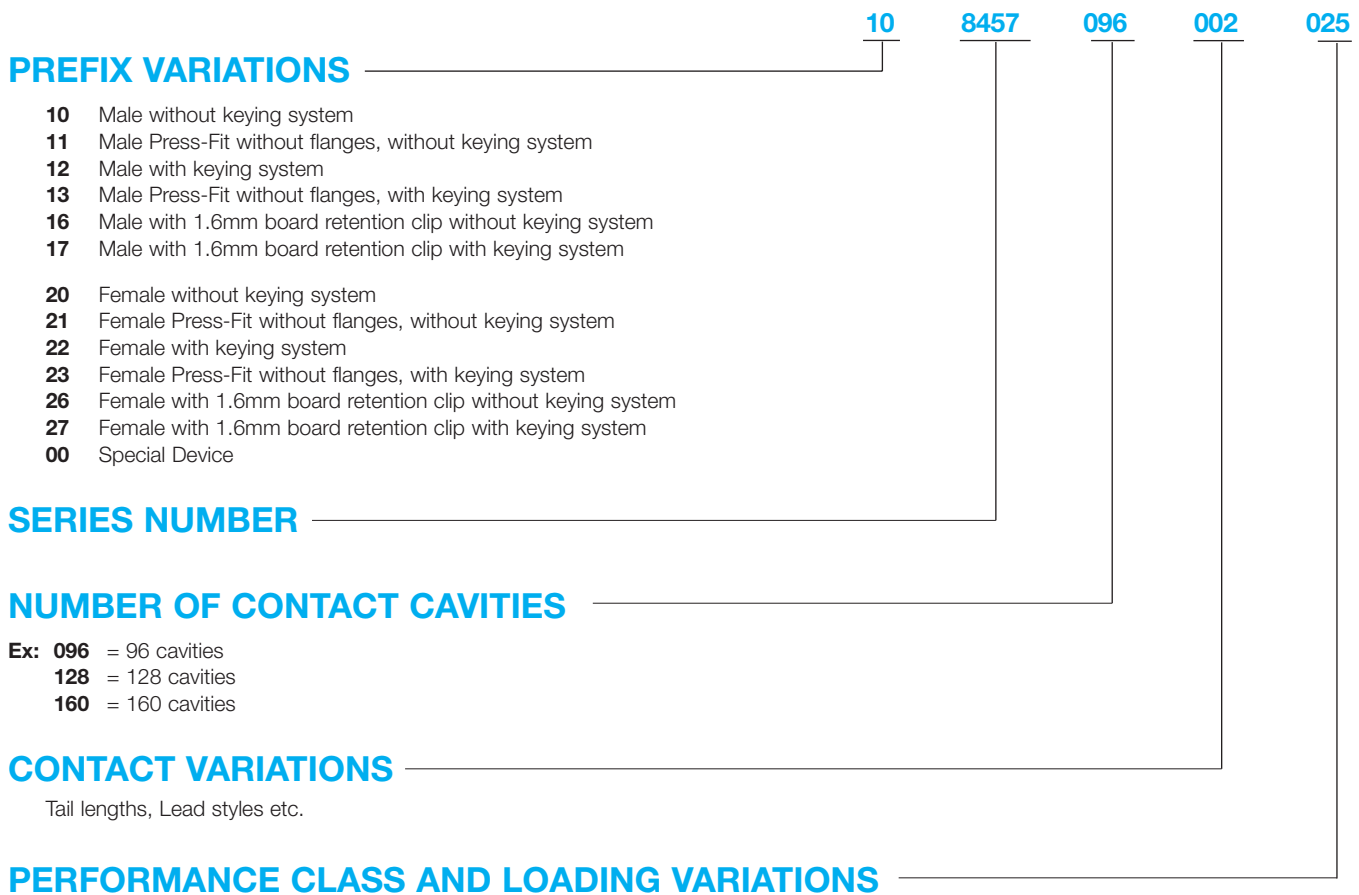
Ex: 12 8457 096

We recommend 6 keys in each side of a pair of connectors. Including the example shown above, 924 different keying possibilities are available.

Subject to technical modifications.



Part Numbering Format



Class	M55302 Class I	DIN 41612 Class II	DIN 41612 Class III
Cycle Life	500+ Mating Cycles	400 Mating Cycles	50 Mating Cycles

QUALIFIED MILITARY PART NUMBERS

Military Designation	
M55302/131-01	M55302/134-02
M55302/131-02	M55302/134-04
M55302/132-01	M55302/134-05
M55302/132-02	M55302/134-07
M55302/132-03	M55302/134-08
M55302/132-04	M55302/157-01
M55302/132-05	M55302/157-02
M55302/132-06	M55302/157-03
M55302/133-01	M55302/157-04
M55302/133-02	M55302/158-01
M55302/133-03	M55302/158-02
M55302/134-01	

Technical Specifications



inches (mm)

SERIES 8254/8459 8457/8458 8477/8478 8483/8484	Basic Grid	0.100 (2.54) x 0.100 (2.54) - 0.100 (2.54) x 0.200 (5.08)
	Insertion Force	3.0 oz./1.83 N average per contact pair (20.23/90N max. for 96 contacts)
	Withdrawal Force	Average per contact pair (.54 oz./0.15N min. per contact)
	Contact Positions	2 x 16, 2 x 32, 3 x 10, 3 x 16, 3 x 32, 3 x 50, 4 x 32, 4 x 50, 5 x 32
	Contact Resistance	20 milliohms max.
	Current Rating* (see note)	3 amperes @ 20°C max. on connectors up to 96 contacts
		1 ampere max. on connectors from 100 to 201 contacts
	Insulation Resistance	5,000 megohms min. at 500 VDC
	Dielectric Withstanding	1,000 VAC rms at sea level
	Operating Temperature	-65°C to +125°C
	Insulator Material	Thermoplastic polyester (GF), 94 V-O, UL rated
	Socket Contact Material	Phosphor bronze
	Pin Contact Material	Copper tin
	Wrap Post Dimension	0.024 x 0.024 (0.6 mm x 0.6 mm)
	Push-Out Force of Post in Insulator	3 lbs.
	Contact Plating	DIN performance classes
SERIES 8447	Basic Grid	0.200 (5.08) x 0.200 (5.08)
	Insertion Force	4.0 oz./1.11 N average per contact pair (9.0 lbs./40N max. for 32 contacts)
	Withdrawal Force	Average per contact pair (.54 oz./0.15N min. per contact)
	Contact Positions	2 x 16, 3 x 16
	Contact Resistance	15 milliohms max.
	Current Rating* (see note)	5.5 amperes @ 20°C max.
	Insulation Resistance	5,000 megohms min. at 500 VDC
	Dielectric Withstanding	1,550 VAC rms at sea level
	Operating Temperature	-65°C to +125°C
	Insulator Material	Thermoplastic (GI), 94 V-O, UL Rated
	Pin Contact Material	Copper alloy
	Wrap Post Dimension	1.0 mm x 1.0 mm
	Contact Plating	DIN performance classes
SERIES 8557/8577	Basic Grid	0.100 (2.54) x 0.100 (2.54) - 0.100 (2.54) x 0.200 (5.08)
	Insertion Force	3.0 oz./1.83 N average per contact pair (20.23/90N max. for 96 contacts)
	Withdrawal Force	Average per contact pair (.54 oz./0.15N min. per contact)
	Contact Positions	3 x 16, 3 x 32, 4 x 32, (inverted receptacle)
	Contact Resistance	20 milliohms max.
	Current Rating* (see note)	3 amperes @ 20°C max. on connectors up to 96 contacts
	Insulation Resistance	5,000 megohms min. at 500 VDC
	Dielectric Withstanding	1,000 VAC rms at sea level
	Operating Temperature	-65°C to +125°C
	Insulator Material	Surface mount compatible polymers, 94 V-O, UL Rated
	Socket Contact Material	Phosphor bronze
	Pin Contact Material	Copper alloy
	Wrap Post Dimension	0.024 x 0.024 (0.6 mm x 0.6 mm)
	Push-Out Force of Post in Insulator	3 lbs.
	Contact Plating	DIN performance classes
	Solder Temperature	max. 250°C

*Current Rating: UL approval allows that DIN connectors up to 96 contacts be rated at 3 amperes. Over 96 pins must be derated to 1.0 ampere maximum VDE, CSA, and other European standards rate all DIN and DIN type connectors at 1 ampere maximum when they are on an 0.100 (2.54) x 0.100 (2.54) grid. (UL file # E27610 Vol. #1 Section #6)

Technical Specifications



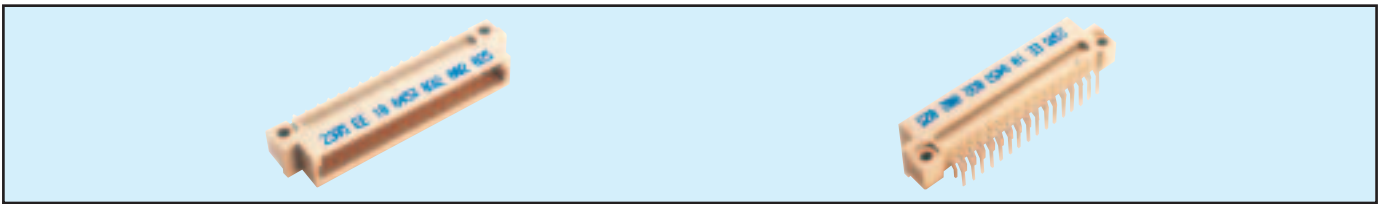
inches (mm)

SERIES 8449/8450 8456/8454 8487	Basic Grid	0.200 (5.08) x 0.200 (5.08)
	Insertion Force	4.0 oz./1.11 N average per contact pair (9.0 lbs./40N max. for 32 contacts)
	Withdrawal Force	Average per contact pair (.54 oz./0.15N min. per contact)
	Contact Positions	2 x 5 + 2, 3 x 16, 1 x 11, 1 x 7, 1 x 8
	Contact Resistance	15 milliohms max.
	Current Rating* (see note)	8456 = 15 amperes @ 20°C max.
	Insulation Resistance	5,000 megohms min. at 500 VDC
	Dielectric Withstanding	1,550 VAC rms at sea level
	Operating Temperature	-65°C to +125°C
	Insulator Material	Polycarbonate (GF)
	Pin Contact Material	Copper alloy
	Wrap Post Dimension	N/A
	Contact Plating	DIN performance classes

*Current Rating: UL approval allows that DIN connectors up to 96 contacts be rated at 3 amperes. Over 96 pins must be derated to 1.0 ampere maximum VDE, CSA, and other European standards rate all DIN and DIN type connectors at 1 ampere maximum when they are on an 0.100 (2.54) x 0.100 (2.54) grid.
(UL file # E27610 Vol. #1 Section #6)

Male Style 1/2 B

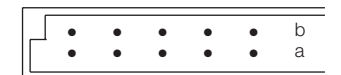
Series 8457 – 2 rows (2 x 16)



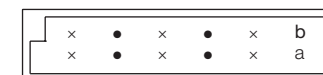
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	32	a + b fully loaded	10 8457 032 001 025	10 8457 032 001 049
	16	a + b even loading	10 8457 032 001 031	10 8457 032 001 055
	16	a loading only	10 8457 032 001 027	10 8457 032 001 051
3.0 mm (Y) Right Angled	32	a + b fully loaded	10 8457 032 002 025	10 8457 032 002 049
	16	a + b even loading	10 8457 032 002 031	10 8457 032 002 055
	16	a loading only	10 8457 032 002 027	10 8457 032 002 051
	30 + 2	fully loaded + ground	10 8457 032 102 025	10 8457 032 102 049
13.0 mm (Y) Straight	32	a + b fully loaded	10 8457 032 003 025	10 8457 032 003 049
	16	a + b even loading	10 8457 032 003 031	10 8457 032 003 055
	16	a loading only	10 8457 032 003 027	10 8457 032 003 051
11.3 mm (Y) Right Angled	32	a + b fully loaded	10 8457 032 004 025	10 8457 032 004 049
	16	a + b even loading	10 8457 032 004 031	10 8457 032 004 055
	16	a loading only	10 8457 032 004 027	10 8457 032 004 051
2.3 mm (Y) Right Angled	32	a + b fully loaded	10 8457 032 008 025	10 8457 032 008 049
	16	a + b even loading	10 8457 032 008 031	10 8457 032 008 055
	16	a loading only	10 8457 032 008 027	10 8457 032 008 051
	30 + 2	fully loaded + ground	10 8457 032 108 025	10 8457 032 108 049

NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

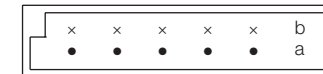
LOADING DESCRIPTION



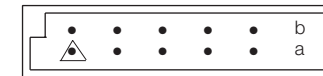
32 contacts, rows a + b fully loaded



16 contacts, rows a + b even loading



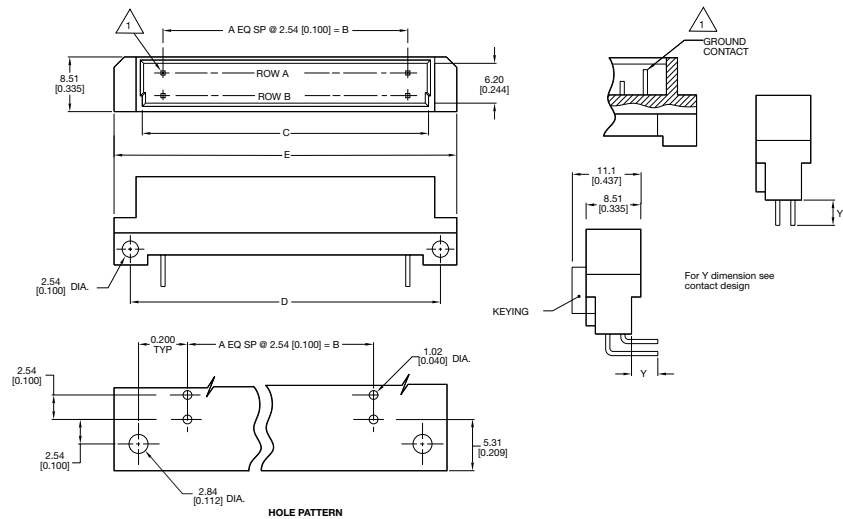
16 contacts, row a loading only



30 + 2 contacts, fully loaded with ground in A1 & A16

△ denotes ground pin

DIMENSIONS

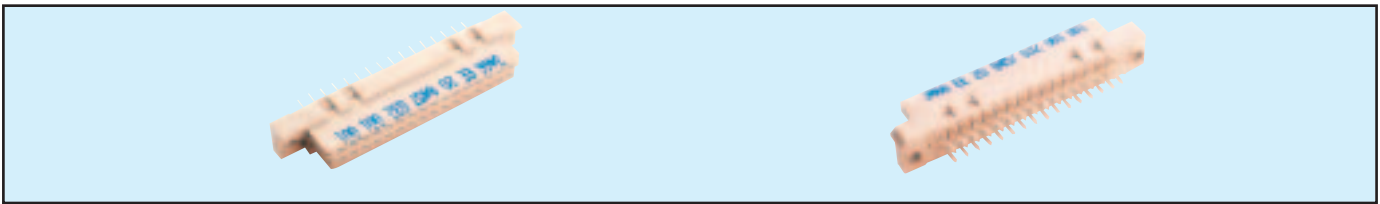


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
32	2 (2 x 16)	15	38.10 (1.500)	44.55 (1.754)	48.26 (1.900)	53.34 (2.100)

Female Style 1/2 B

Series 8457 – 2 rows (2 x 16)



Contact Design and Termination Length		Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
0.6 x 0.6 mm post profile 4.5 mm (Y) Straight		32	a + b fully loaded	20 8457 032 001 025	20 8457 032 001 049
		16	a + b even loading	20 8457 032 001 031	20 8457 032 001 055
		16	a loading only	20 8457 032 001 027	20 8457 032 001 051
0.6 x 0.6 mm post profile 2.9 mm (Y) Straight		32	a + b fully loaded	20 8457 032 002 025	20 8457 032 002 049
		16	a + b even loading	20 8457 032 002 031	20 8457 032 002 055
		16	a loading only	20 8457 032 002 027	20 8457 032 002 051
0.3 x 0.79 mm post profile 4.5 mm (Y) Straight		32	a + b fully loaded	20 8457 032 003 025	20 8457 032 003 049
		16	a + b even loading	20 8457 032 003 031	20 8457 032 003 055
		16	a loading only	20 8457 032 003 027	20 8457 032 003 051
0.3 x 0.79 mm post profile 2.9 mm (Y) Straight		32	a + b fully loaded	20 8457 032 004 025	20 8457 032 004 049
		16	a + b even loading	20 8457 032 004 031	20 8457 032 004 055
		16	a loading only	20 8457 032 004 027	20 8457 032 004 051
0.6 x 0.6 mm post profile 13.0 mm (Y) Straight		32	a + b fully loaded	20 8457 032 005 025	20 8457 032 005 049
		16	a + b even loading	20 8457 032 005 031	20 8457 032 005 055
		16	a loading only	20 8457 032 005 027	20 8457 032 005 051
0.6 x 0.6 mm post profile 7.0 mm (Y) Straight		32	a + b fully loaded	20 8457 032 010 025	20 8457 032 010 049
		16	a + b even loading	20 8457 032 010 031	20 8457 032 010 055
		16	a loading only	20 8457 032 010 027	20 8457 032 010 051
0.6 x 0.6 mm post profile 3.5 mm (Y) Straight		32	a + b even loading	20 8457 032 011 025	20 8457 032 011 049
		16	a + b fully loaded	20 8457 032 011 031	20 8457 032 011 055
		16	a loading only	20 8457 032 011 027	20 8457 032 011 051
0.6 x 0.6 mm post profile 19.4 mm (Y) Straight		32	a + b fully loaded	20 8457 032 012 025	20 8457 032 012 049
		16	a + b even loading	20 8457 032 012 031	20 8457 032 012 055
		16	a loading only	20 8457 032 012 027	20 8457 032 012 051
0.6 x 0.6 mm post profile 4.5 mm (Y) Right Angled		32	a + b fully loaded	20 8457 032 013 025	20 8457 032 013 049
		16	a + b even loading	20 8457 032 013 031	20 8457 032 013 055
		16	a loading only	20 8457 032 013 027	20 8457 032 013 051

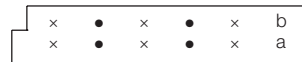
NB: Alternative Prefix Variations Available: 22, 24, 25, 26 & 27, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

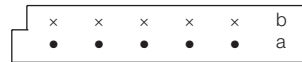
LOADING DESCRIPTION



32 contacts, rows a + b fully loaded

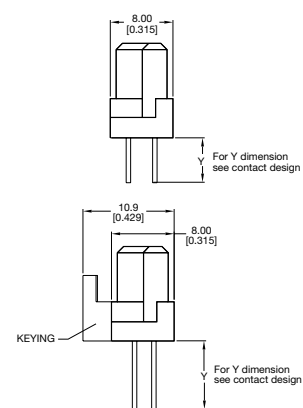
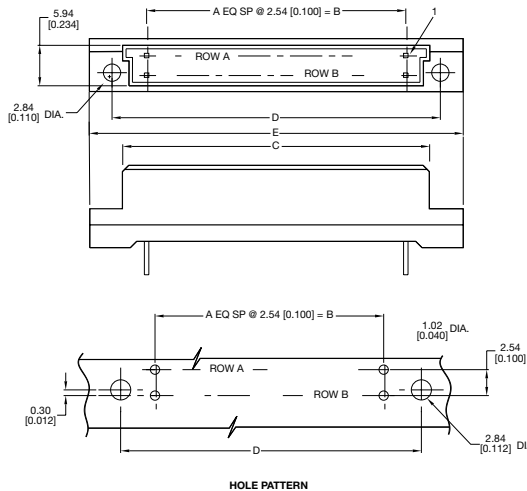


16 contacts, rows a + b even loading



16 contacts, row a loading only

DIMENSIONS

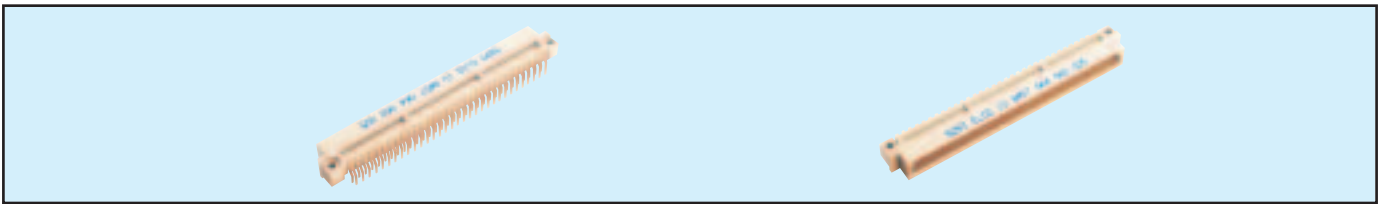


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
32	2 (2 x 16)	15	38.10 (1.500)	44.30 (1.744)	49.99 (1.968)	54.91 (2.162)

Male Style B

Series 8457 – 2 rows (2 x 32)

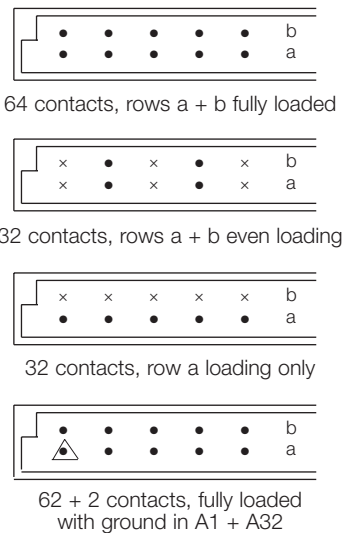


Contact Design and Termination Length		Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
3.4 mm (Y) Straight		64	a + b fully loaded	10 8457 064 001 025	10 8457 064 001 049
		32	a + b even loading	10 8457 064 001 031	10 8457 064 001 055
		32	a loading only	10 8457 064 001 027	10 8457 064 001 051
3.0 mm (Y) Right Angled		64	a + b fully loaded	10 8457 064 002 025	10 8457 064 002 049
		32	a + b even loading	10 8457 064 002 031	10 8457 064 002 055
		32	a loading only	10 8457 064 002 027	10 8457 064 002 051
		62 + 2	fully loaded + ground	10 8457 064 102 025	10 8457 064 102 049
13.0 mm (Y) Straight		64	a + b fully loaded	10 8457 064 003 025	10 8457 064 003 049
		32	a + b even loading	10 8457 064 003 031	10 8457 064 003 055
		32	a loading only	10 8457 064 003 027	10 8457 064 003 051
11.3 mm (Y) Right Angled		64	a + b fully loaded	10 8457 064 004 025	10 8457 064 004 049
		32	a + b even loading	10 8457 064 004 031	10 8457 064 004 055
		32	a loading only	10 8457 064 004 027	10 8457 064 004 051
2.3 mm (Y) Right Angled		64	a + b fully loaded	10 8457 064 008 025	10 8457 064 008 049
		32	a + b even loading	10 8457 064 008 031	10 8457 064 008 055
		32	a loading only	10 8457 064 008 027	10 8457 064 008 051
		62 + 2	fully loaded + ground	10 8457 064 108 025	10 8457 064 108 049

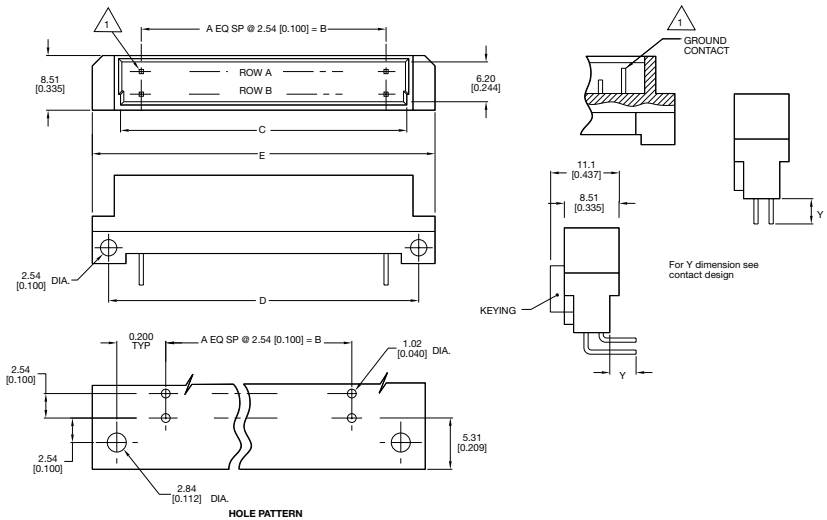
NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION

DIMENSIONS



△ denotes ground pin

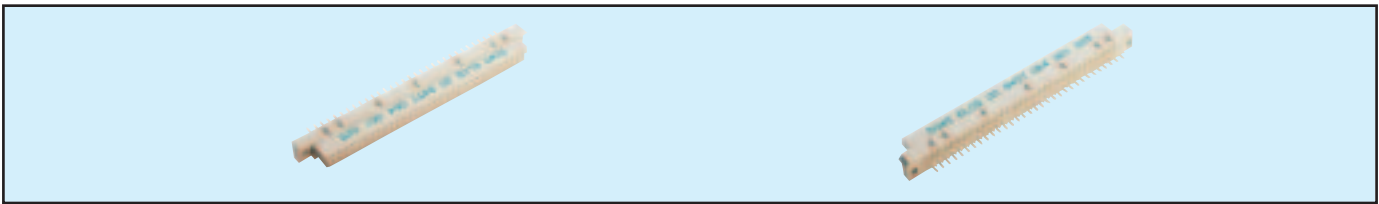


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
64	2 (2 x 32)	31	78.74 (3.100)	85.19 (3.354)	88.90 (3.500)	93.98 (3.700)

Female Style B

Series 8457 – 2 rows (2 x 32)



Contact Design and Termination Length		Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Straight		64	a + b fully loaded	20 8457 064 001 025	20 8457 064 001 049
		32	a + b even loading	20 8457 064 001 031	20 8457 064 001 055
		32	a loading only	20 8457 064 001 027	20 8457 064 001 051
0.6 x 0.6 mm Post Profile 2.9 mm (Y) Straight		64	a + b fully loaded	20 8457 064 002 025	20 8457 064 002 049
		32	a + b even loading	20 8457 064 002 031	20 8457 064 002 055
		32	a loading only	20 8457 064 002 027	20 8457 064 002 051
0.3 x 0.79 mm Post Profile 4.5 mm (Y) Straight		64	a + b fully loaded	20 8457 064 003 025	20 8457 064 003 049
		32	a + b even loading	20 8457 064 003 031	20 8457 064 003 055
		32	a loading only	20 8457 064 003 027	20 8457 064 003 051
0.3 x 0.79 mm Post Profile 2.9 mm (Y) Straight		64	a + b fully loaded	20 8457 064 004 025	20 8457 064 004 049
		32	a + b even loading	20 8457 064 004 031	20 8457 064 004 055
		32	a loading only	20 8457 064 004 027	20 8457 064 004 051
0.6 x 0.6 mm Post Profile 13.0 mm (Y) Straight		64	a + b fully loaded	20 8457 064 005 025	20 8457 064 005 049
		32	a + b even loading	20 8457 064 005 031	20 8457 064 005 055
		32	a loading only	20 8457 064 005 027	20 8457 064 005 051
0.6 x 0.6 mm Post Profile 7.0 mm (Y) Straight		64	a + b fully loaded	20 8457 064 010 025	20 8457 064 010 049
		32	a + b even loading	20 8457 064 010 031	20 8457 064 010 055
		32	a loading only	20 8457 064 010 027	20 8457 064 010 051
0.6 x 0.6 mm Post Profile 3.5 mm (Y) Straight		64	a + b fully loaded	20 8457 064 011 025	20 8457 064 011 049
		32	a + b even loading	20 8457 064 011 031	20 8457 064 011 055
		32	a loading only	20 8457 064 011 027	20 8457 064 011 051
0.6 x 0.6 mm Post Profile 19.4 mm (Y) Straight		64	a + b fully loaded	20 8457 064 012 025	20 8457 064 012 049
		32	a + b even loading	20 8457 064 012 031	20 8457 064 012 055
		32	a loading only	20 8457 064 012 027	20 8457 064 012 051
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled		64	a + b fully loaded	20 8457 064 013 025	20 8457 064 013 049
		32	a + b even loading	20 8457 064 013 031	20 8457 064 013 055
		32	a loading only	20 8457 064 013 027	20 8457 064 013 051

NB: Alternative Prefix Variations Available: 22, 24, 25, 26 & 27, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



64 contacts, rows a + b fully loaded

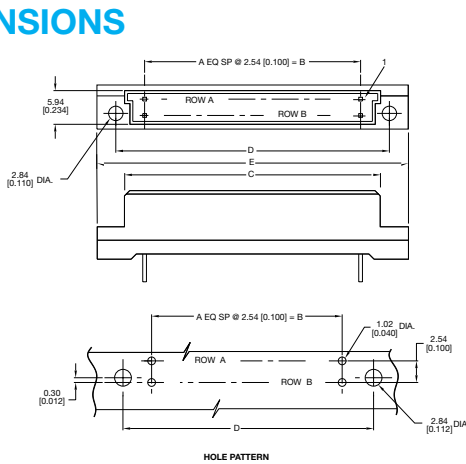


32 contacts, rows a + b even loading



32 contacts, row a loading only

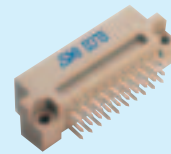
DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
64	2 (2 x 32)	31	78.74 (3.100)	84.91 (3.343)	89.99 (3.543)	94.89 (3.736)

Series 8457 – 3 rows (3 x 10)

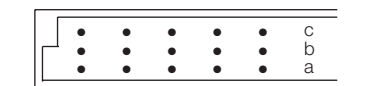


Contact Design and Termination Length		Number of Contacts	Loading Description	Part Number	
				Performance classes according to DIN 41612	
				II	I
3.4 mm (Y) Straight		30	a + b + c fully loaded	10 8457 030 001 025	10 8457 030 001 049
		20	a + c fully loaded	10 8457 030 001 026	10 8457 030 001 050
3.0 mm (Y) Right Angled		30	a + b + c fully loaded	10 8457 030 002 025	10 8457 030 002 049
		20	a + c fully loaded	10 8457 030 002 026	10 8457 030 002 050
		28 + 2	fully loaded + ground	10 8457 030 102 025	10 8457 030 102 049
13.0 mm (Y) Straight					
		30	a + b + c fully loaded	10 8457 030 003 025	10 8457 030 003 049
		20	a + c fully loaded	10 8457 030 003 026	10 8457 030 003 050
11.3 mm (Y) Right Angled					
		30	a + b + c fully loaded	10 8457 030 004 025	10 8457 030 004 049
		20	a + c fully loaded	10 8457 030 004 026	10 8457 030 004 050
2.3 mm (Y) Right Angled		30	a + b + c fully loaded	10 8457 030 008 025	10 8457 030 008 049
		20	a + c fully loaded	10 8457 030 008 026	10 8457 030 008 050
		28 + 2	fully loaded + ground	10 8457 030 108 025	10 8457 030 108 049

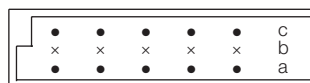
NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

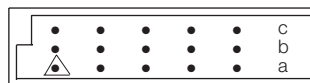
LOADING DESCRIPTION | DIMENSIONS



30 contact, rows a + b + c fully loaded

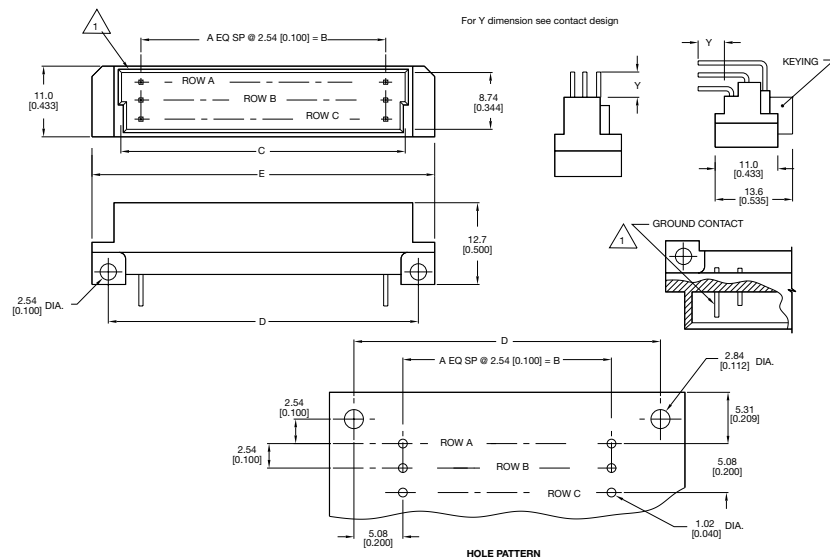


30 contacts, rows a + c fully loaded



28 + 2 contacts, fully loaded
with ground in A1 & A10

$\triangle$ denotes ground pin

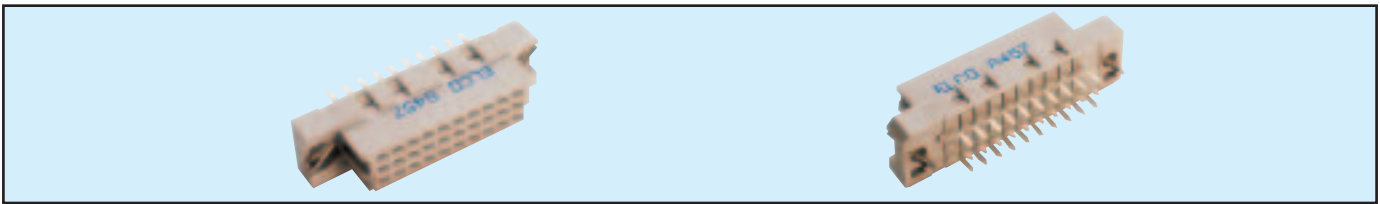


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
30	3 (3 x 10)	9	22.86 (0.900)	29.41 (1.158)	33.02 (1.300)	38.02 (1.497)

Female Style 1/3 C

Series 8457 – 3 rows (3 x 10)

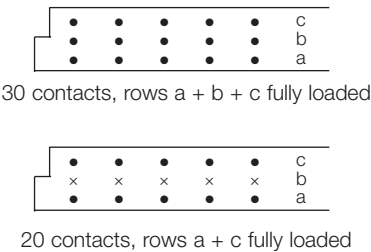


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 001 025	20 8457 030 001 049
	20	a + c fully loaded	20 8457 030 001 026	20 8457 030 001 050
0.6 x 0.6 mm Post Profile 2.9 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 002 025	20 8457 030 002 049
	20	a + c fully loaded	20 8457 030 002 026	20 8457 030 002 050
0.3 x 0.79 mm Post Profile 4.5 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 003 025	20 8457 030 003 049
	20	a + c fully loaded	20 8457 030 003 026	20 8457 030 003 050
0.3 x 0.79 mm Post Profile 2.9 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 004 025	20 8457 030 004 049
	20	a + c fully loaded	20 8457 030 004 026	20 8457 030 004 050
0.6 x 0.6 mm Post Profile 13.0 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 005 025	20 8457 030 005 049
	20	a + c fully loaded	20 8457 030 005 026	20 8457 030 005 050
0.6 x 0.6 mm Post Profile 7.0 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 010 025	20 8457 030 010 049
	20	a + c fully loaded	20 8457 030 010 026	20 8457 030 010 050
0.6 x 0.6 mm Post Profile 3.5 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 011 025	20 8457 030 011 049
	20	a + c fully loaded	20 8457 030 011 026	20 8457 030 011 050
0.6 x 0.6 mm Post Profile 19.4 mm (Y) Straight	30	a + b + c fully loaded	20 8457 030 012 025	20 8457 030 012 049
	20	a + c fully loaded	20 8457 030 012 026	20 8457 030 012 050
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled	30	a + b + c fully loaded	20 8457 030 013 025	20 8457 030 013 049
	20	a + c fully loaded	20 8457 030 013 026	20 8457 030 013 050

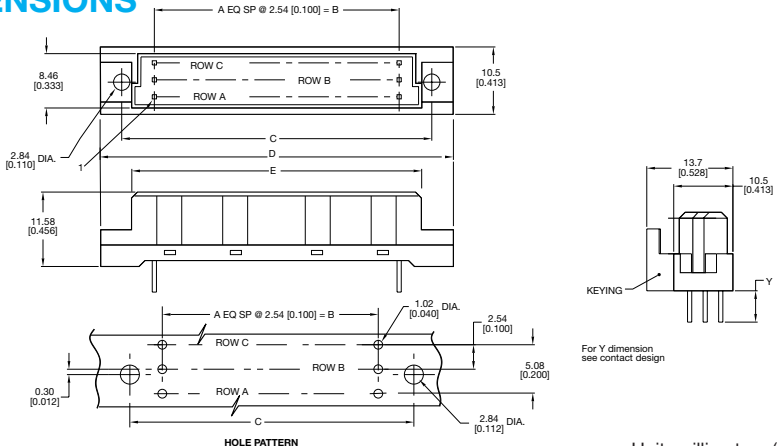
NB: Alternative Prefix Variations Available: 22, 24, 25, 26 & 27, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



No. Contact Positions	Contact Rows	A	B	C	D	E
30	3 (3 x 10)	9	22.86 (0.900)	34.75 (1.368)	39.70 (1.563)	29.06 (1.144)

Male Style 1/2 C

Series 8457 – 3 rows (3 x 16)

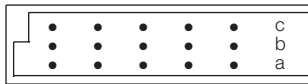


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	48	a + b + c fully loaded	10 8457 048 001 025	10 8457 048 001 049
	32	a + c fully loaded	10 8457 048 001 026	10 8457 048 001 050
	16	a loading only	10 8457 048 001 027	10 8457 048 001 051
3.0 mm (Y) Right Angled	48	a + b + c fully loaded	10 8457 048 002 025	10 8457 048 002 049
	32	a + c fully loaded	10 8457 048 002 026	10 8457 048 002 050
	16	a loading only	10 8457 048 002 027	10 8457 048 002 051
	46 + 2	fully loaded + ground	10 8457 048 102 025	10 8457 048 102 049
13.0 mm (Y) Straight	48	a + b + c fully loaded	10 8457 048 003 025	10 8457 048 003 049
	32	a + c fully loaded	10 8457 048 003 026	10 8457 048 003 050
	16	a loading only	10 8457 048 003 027	10 8457 048 003 051
11.3 mm (Y) Right Angled	48	a + b + c fully loaded	10 8457 048 004 025	10 8457 048 004 049
	32	a + c fully loaded	10 8457 048 004 026	10 8457 048 004 050
	16	a loading only	10 8457 048 004 027	10 8457 048 004 051
2.3 mm (Y) Right Angled	48	a + b + c fully loaded	10 8457 048 008 025	10 8457 048 008 049
	32	a + c fully loaded	10 8457 048 008 026	10 8457 048 008 050
	16	a loading only	10 8457 048 008 027	10 8457 048 008 051
	46 + 2	fully loaded + ground	10 8457 048 108 025	10 8457 048 108 049

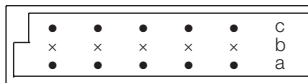
NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION

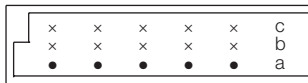
DIMENSIONS



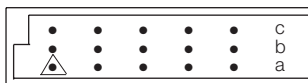
48 contacts, rows a + b + c fully loaded



32 contacts, rows a + c fully loaded

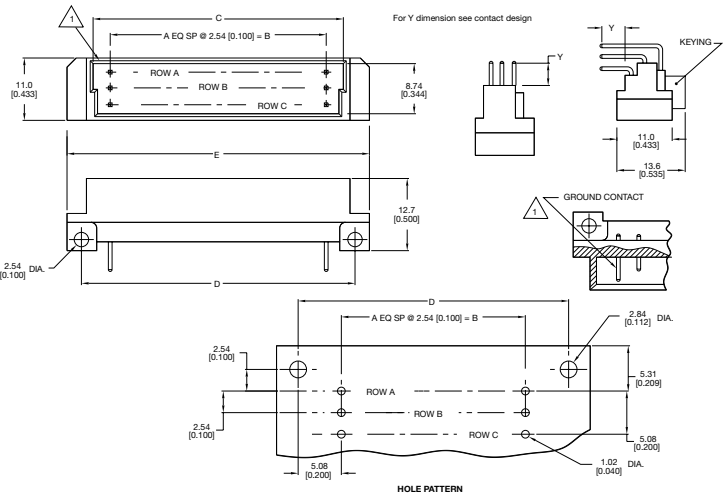


16 contacts, row a loading only



46 + 2 contacts, fully loaded with ground in A1 & A16

△ denotes ground pin

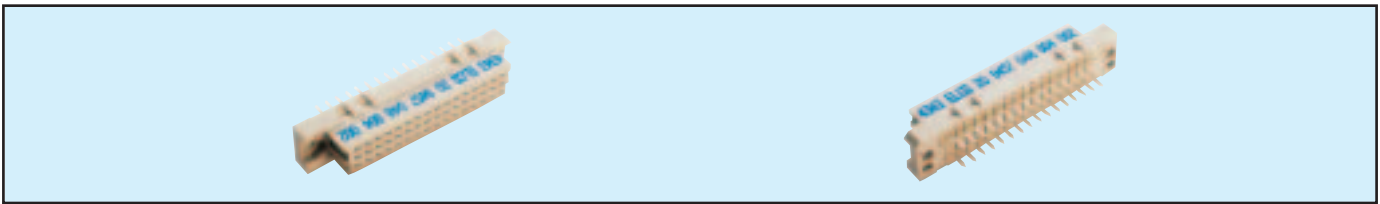


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	15	38.10 (1.500)	44.70 (1.760)	48.26 (1.900)	53.90 (2.122)

Female Style 1/2 C

Series 8457 – 3 rows (3 x 16)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 001 025	20 8457 048 001 049
	32	a + c fully loaded	20 8457 048 001 026	20 8457 048 001 050
	16	a loading only	20 8457 048 001 027	20 8457 048 001 051
0.6 x 0.6 mm Post Profile 2.9 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 002 025	20 8457 048 002 049
	32	a + c fully loaded	20 8457 048 002 026	20 8457 048 002 050
	16	a loading only	20 8457 048 002 027	20 8457 048 002 051
0.3 x 0.79 mm Post Profile 4.5 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 003 025	20 8457 048 003 049
	32	a + c fully loaded	20 8457 048 003 026	20 8457 048 003 050
	16	a loading only	20 8457 048 003 027	20 8457 048 003 051
0.3 x 0.79 mm Post Profile 2.9 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 004 025	20 8457 048 004 049
	32	a + c fully loaded	20 8457 048 004 026	20 8457 048 004 050
	16	a loading only	20 8457 048 004 027	20 8457 048 004 051
0.6 x 0.6 mm Post Profile 13.0 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 005 025	20 8457 048 005 049
	32	a + c fully loaded	20 8457 048 005 026	20 8457 048 005 050
	16	a loading only	20 8457 048 005 027	20 8457 048 005 051
0.6 x 0.6 mm Post Profile 7.0 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 010 025	20 8457 048 010 049
	32	a + c fully loaded	20 8457 048 010 026	20 8457 048 010 050
	16	a loading only	20 8457 048 010 027	20 8457 048 010 051
0.6 x 0.6 mm Post Profile 3.5 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 011 025	20 8457 048 011 049
	32	a + c fully loaded	20 8457 048 011 026	20 8457 048 011 050
	16	a loading only	20 8457 048 011 027	20 8457 048 011 051
0.6 x 0.6 mm Post Profile 19.4 mm (Y) Straight	48	a + b + c fully loaded	20 8457 048 012 025	20 8457 048 012 049
	32	a + c fully loaded	20 8457 048 012 026	20 8457 048 012 050
	16	a loading only	20 8457 048 012 027	20 8457 048 012 051
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled	48	a + b + c fully loaded	20 8457 048 013 025	20 8457 048 013 049
	32	a + c fully loaded	20 8457 048 013 026	20 8457 048 013 050
	16	a loading only	20 8457 048 013 027	20 8457 048 013 051

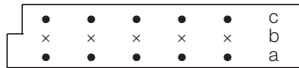
NB: Alternative Prefix Variations Available: 22, 24, 25, 26 & 27, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

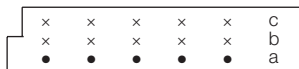
LOADING DESCRIPTION



48 contacts, rows a + b + c fully loaded

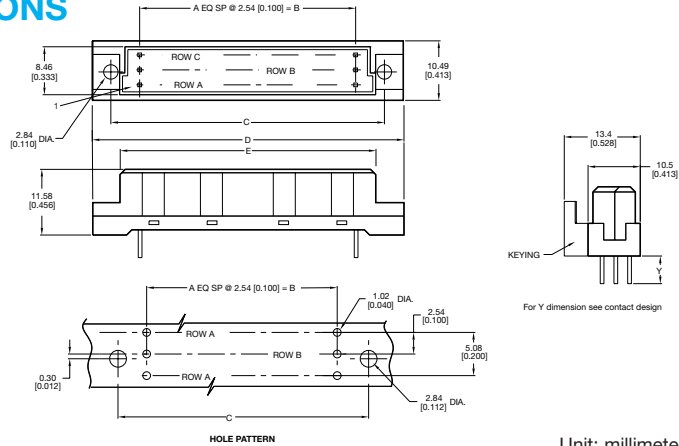


32 contacts, rows a + c fully loaded



16 contacts, row a loading only

DIMENSIONS



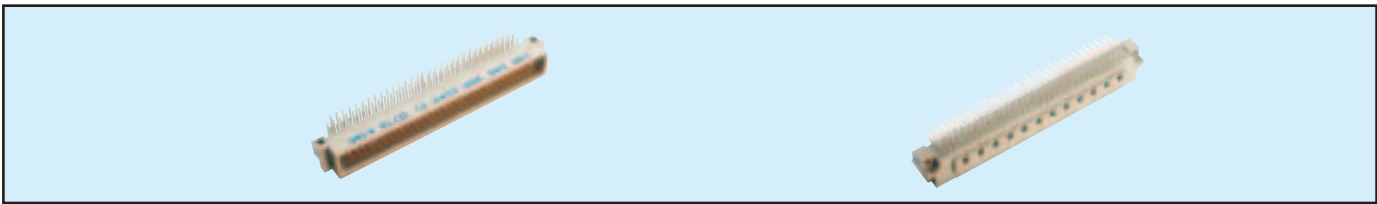
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	15	38.10 (1.500)	50.01 (1.969)	54.89 (2.161)	44.30 (1.744)

Male Style C



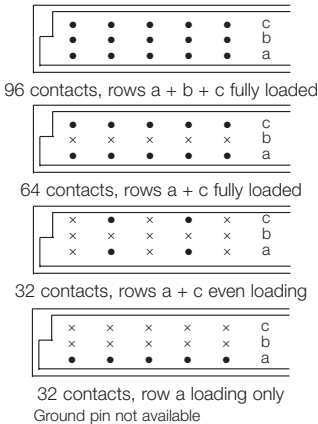
Series 8457 – 3 rows (3 x 32)



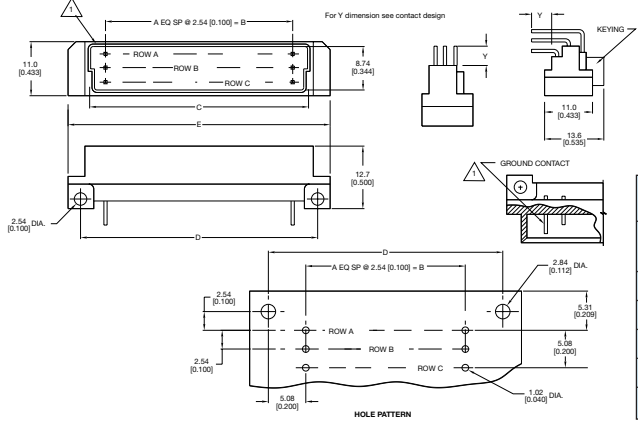
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	96	a + b + c fully loaded	10 8457 096 001 025	10 8457 096 001 049
	64	a + c fully loaded	10 8457 096 001 026	10 8457 096 001 050
	32	a + c even loading	10 8457 096 001 033	10 8457 096 001 057
	32	a loading only	10 8457 096 001 027	10 8457 096 001 051
3.0 mm (Y) Right Angled	96	a + b + c fully loaded	10 8457 096 002 025	10 8457 096 002 049
	64	a + c fully loaded	10 8457 096 002 026	10 8457 096 002 050
	32	a + c even loading	10 8457 096 002 033	10 8457 096 002 057
	32	a loading only	10 8457 096 002 027	10 8457 096 002 051
13.0 mm (Y) Straight	96	a + b + c fully loaded	10 8457 096 003 025	10 8457 096 003 049
	64	a + c fully loaded	10 8457 096 003 026	10 8457 096 003 050
	32	a + c even loading	10 8457 096 003 033	10 8457 096 003 057
	32	a loading only	10 8457 096 003 027	10 8457 096 003 051
11.3mm (Y) Right Angled	96	a + b + c fully loaded	10 8457 096 004 025	10 8457 096 004 049
	64	a + c fully loaded	10 8457 096 004 026	10 8457 096 004 050
	32	a + c even loading	10 8457 096 004 033	10 8457 096 004 057
	32	a loading only	10 8457 096 004 027	10 8457 096 004 051
7.7 mm (Y) Solder Hole	96	a + b + c fully loaded	10 8457 096 006 025	10 8457 096 006 049
	64	a + c fully loaded	10 8457 096 006 026	10 8457 096 006 050
	32	a + c even loading	10 8457 096 006 033	10 8457 096 006 057
	32	a loading only	10 8457 096 006 027	10 8457 096 006 051
6.4 mm (Y) Solder Loop	96	a + b + c fully loaded	10 8457 096 007 025	10 8457 096 007 049
	64	a + c fully loaded	10 8457 096 007 026	10 8457 096 007 050
	32	a + c even loading	10 8457 096 007 033	10 8457 096 007 057
	32	a loading only	10 8457 096 007 027	10 8457 096 007 051
2.3 mm (Y) Right Angled	96	a + b + c fully loaded	10 8457 096 008 025	10 8457 096 008 049
	64	a + c fully loaded	10 8457 096 008 026	10 8457 096 008 050
	32	a + c even loading	10 8457 096 008 033	10 8457 096 008 057
	32	a loading only	10 8457 096 008 027	10 8457 096 008 051

NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



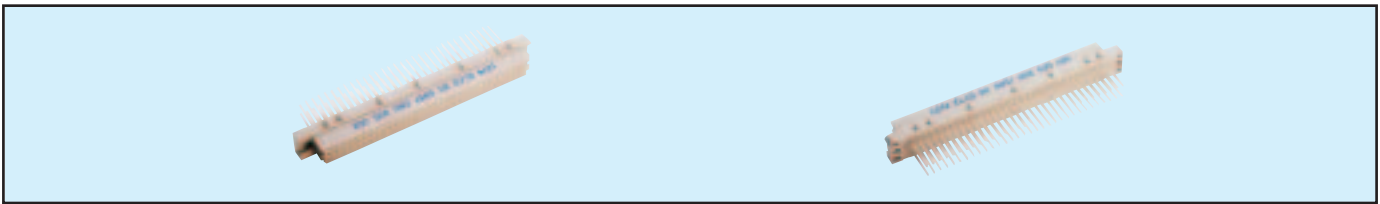
DIMENSIONS



No. Contact Positions	96
Contact Rows	3 (3 x 32)
A	31
B	78.74 (3.100)
C	85.29 (3.358)
D	88.90 (3.500)
E	93.90 (3.697)

Female Style C

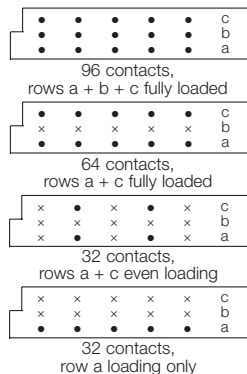
Series 8457 – 3 rows (3 x 32)



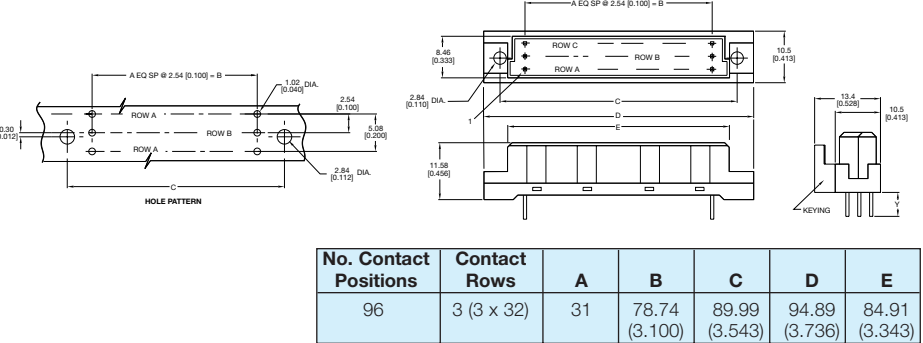
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 001 025	20 8457 096 001 049
	64	a + c fully loaded	20 8457 096 001 026	20 8457 096 001 050
	32	a + c even loading	20 8457 096 001 033	20 8457 096 001 057
	32	a loading only	20 8457 096 001 027	20 8457 096 001 051
0.6 x 0.6 mm Post Profile 2.9 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 002 025	20 8457 096 002 049
	64	a + c fully loaded	20 8457 096 002 026	20 8457 096 002 050
	32	a + c even loading	20 8457 096 002 033	20 8457 096 002 057
	32	a loading only	20 8457 096 002 027	20 8457 096 002 051
0.3 x 0.79 mm Post Profile 4.5 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 003 025	20 8457 096 003 049
	64	a + c fully loaded	20 8457 096 003 026	20 8457 096 003 050
	32	a + c even loading	20 8457 096 003 033	20 8457 096 003 057
	32	a loading only	20 8457 096 003 027	20 8457 096 003 051
0.3 x 0.79 mm Post Profile 2.9 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 004 025	20 8457 096 004 049
	64	a + c fully loaded	20 8457 096 004 026	20 8457 096 004 050
	32	a + c even loading	20 8457 096 004 033	20 8457 096 004 057
	32	a loading only	20 8457 096 004 027	20 8457 096 004 051
0.6 x 0.6 mm Post Profile 13.0 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 005 025	20 8457 096 005 049
	64	a + c fully loaded	20 8457 096 005 026	20 8457 096 005 050
	32	a + c even loading	20 8457 096 005 033	20 8457 096 005 057
	32	a loading only	20 8457 096 005 027	20 8457 096 005 051
0.6 x 0.6 mm Post Profile 7.0 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 010 025	20 8457 096 010 049
	64	a + c fully loaded	20 8457 096 010 026	20 8457 096 010 050
	32	a + c even loading	20 8457 096 010 033	20 8457 096 010 057
	32	a loading only	20 8457 096 010 027	20 8457 096 010 051
0.6 x 0.6 mm Post Profile 3.5 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 011 025	20 8457 096 011 049
	64	a + c fully loaded	20 8457 096 011 026	20 8457 096 011 050
	32	a + c all even loading	20 8457 096 011 033	20 8457 096 011 057
	32	a loading only	20 8457 096 011 027	20 8457 096 011 051
0.6 x 0.6 mm Post Profile 19.4 mm (Y) Straight	96	a + b + c fully loaded	20 8457 096 012 025	20 8457 096 012 049
	64	a + c fully loaded	20 8457 096 012 026	20 8457 096 012 050
	32	a + c even loading	20 8457 096 012 033	20 8457 096 012 057
	32	a loading only	20 8457 096 012 027	20 8457 096 012 051
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled	96	a + b + c fully loaded	20 8457 096 013 025	20 8457 096 013 049
	64	a + c fully loaded	20 8457 096 013 026	20 8457 096 013 050
	32	a + c even loading	20 8457 096 013 033	20 8457 096 013 057
	32	a loading only	20 8457 096 013 027	20 8457 096 013 051

NB: Alternative Prefix Variations Available: 22, 24, 25, 26 & 27, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



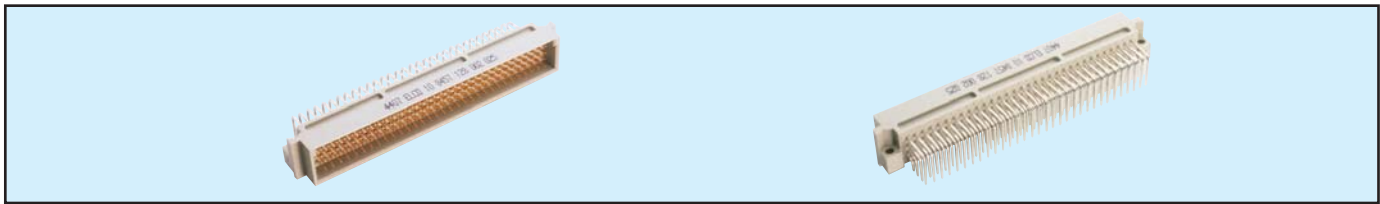
DIMENSIONS



Male Style C Expanded



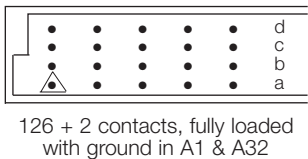
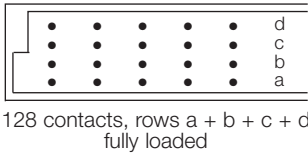
Series 8457 – 4 rows (4 x 32)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	128	a + b + c + d fully loaded	10 8457 128 001 025	10 8457 128 001 049
	126 + 2	4 rows fully loaded + ground	10 8457 128 101 025	10 8457 128 101 049
3.0 mm (Y) Right Angled	128	a + b + c + d fully loaded	10 8457 128 002 025	10 8457 128 002 049
	126 + 2	4 rows fully loaded + ground	10 8457 128 102 025	10 8457 128 102 049

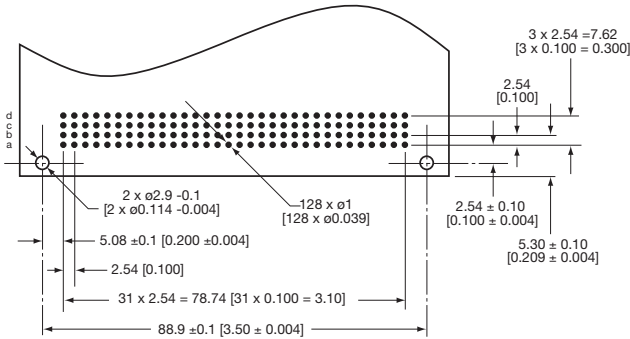
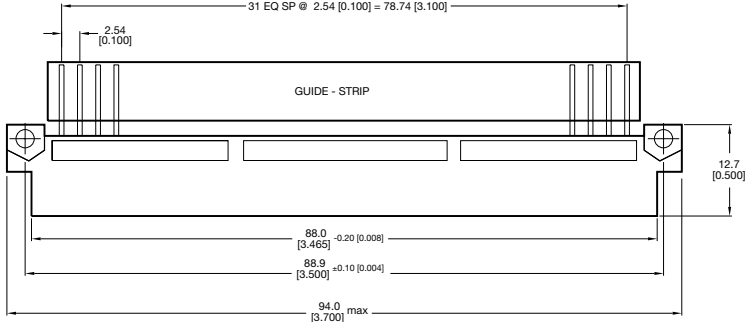
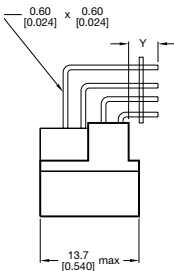
NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



△ denotes ground pin

DIMENSIONS

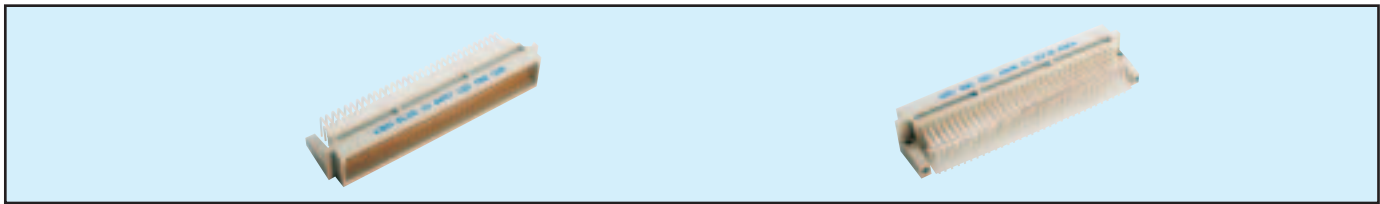


HOLE PATTERN

Male Style C Expanded



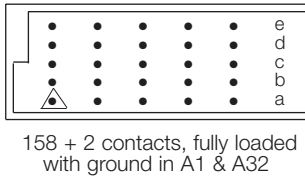
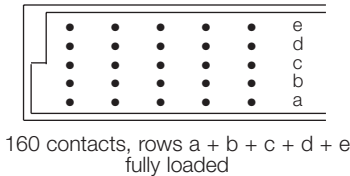
Series 8457 – 5 rows (5 x 32)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	160	a + b + c + d + e fully loaded	10 8457 160 001 025	10 8457 160 001 049
	158 + 2	5 rows fully loaded + ground	10 8457 160 101 025	10 8457 160 101 049
3.0 mm (Y) Right Angled	160	a + b + c + d + e fully loaded	10 8457 160 002 025	10 8457 160 002 049
	158 + 2	5 rows fully loaded + ground	10 8457 160 102 025	10 8457 160 102 049

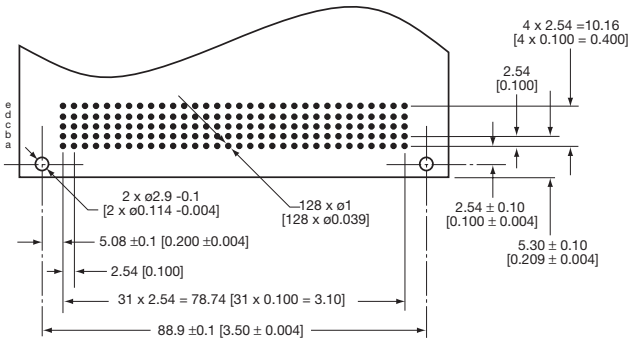
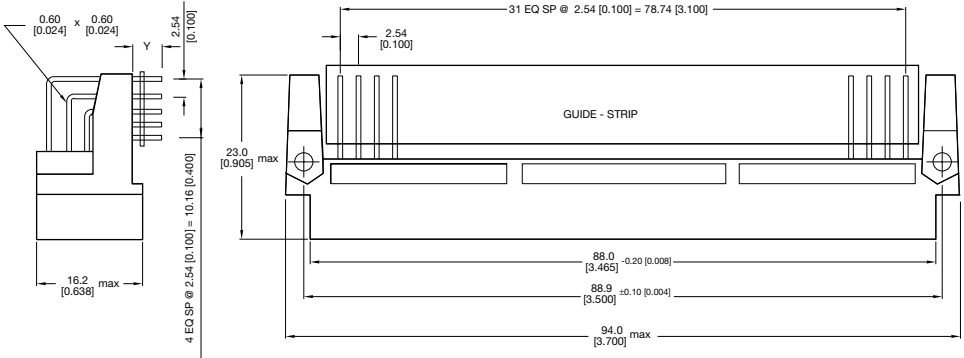
NB: Alternative Prefix Variations Available: 12, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



△ denotes ground pin

DIMENSIONS



HOLE PATTERN

Male Style D



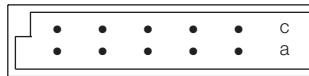
Series 8447 – 2 rows (2 x 16)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
3.0 mm (Y) (0.6 x 0.6 mm) Right Angled Pitch 5.08	32	a + c fully loaded	10 8447 032 001 025	10 8447 032 001 049
3.0 mm (Y) (0.6 x 0.6 mm) Right Angled Pitch 2.54	32	a + c fully loaded	10 8447 032 002 025	10 8447 032 002 049

NB: Alternative Prefix Variations Available: 12, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

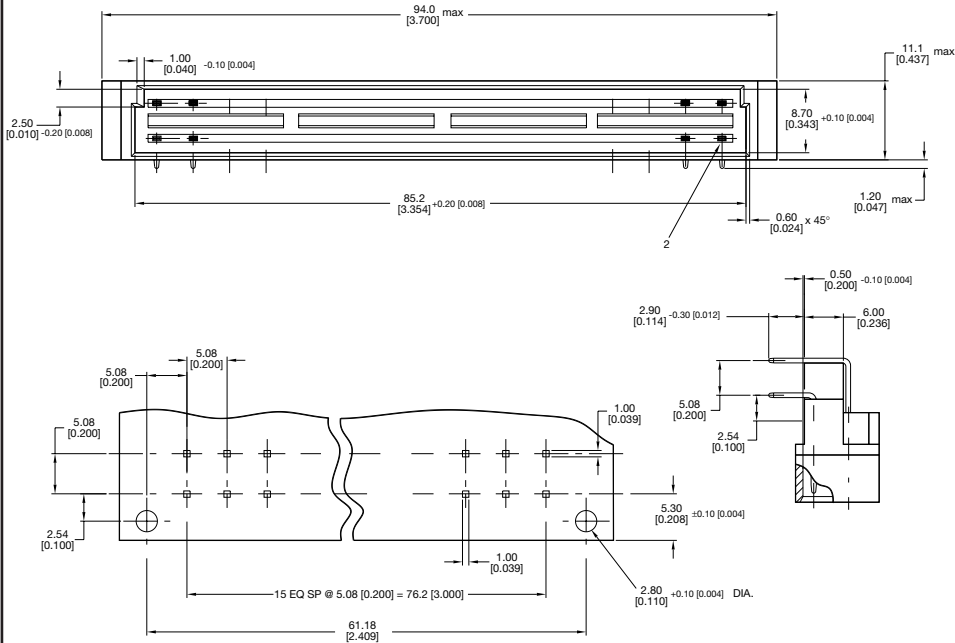
LOADING DESCRIPTION



32 contacts, rows a + c fully loaded

Ground pin not available

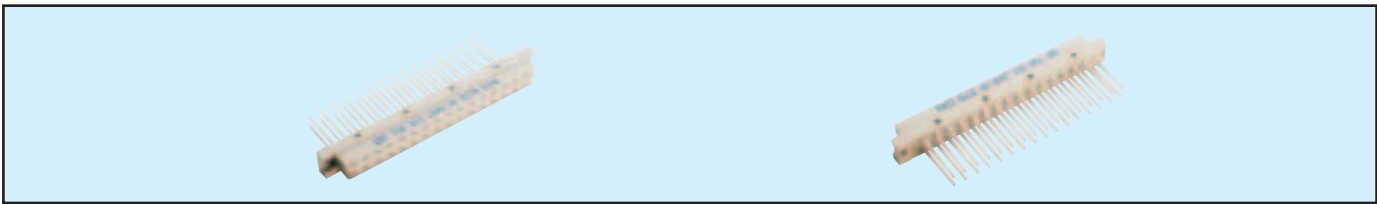
DIMENSIONS



Female Style D



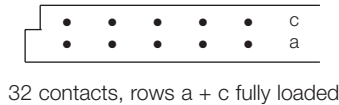
Series 8447 – 2 rows (2 x 16)



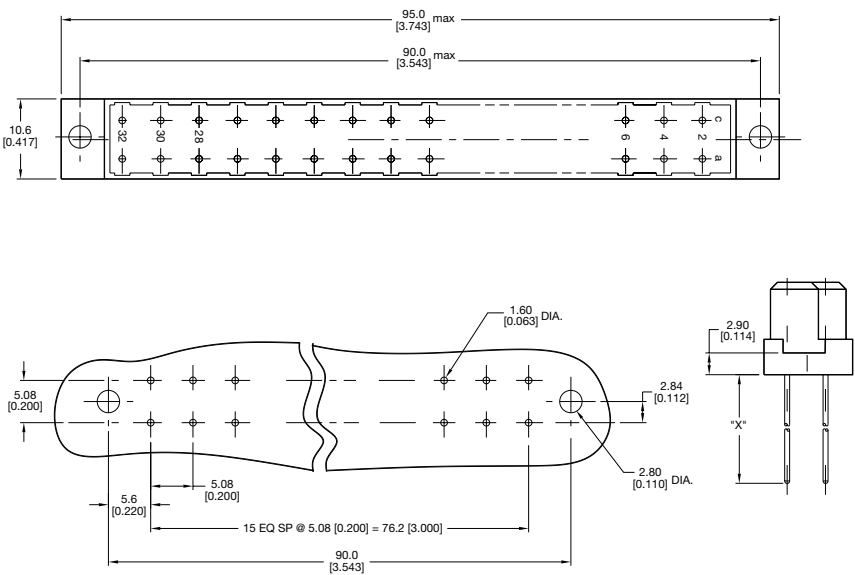
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
1 x 1 mm Post Profile 20.0 mm (Y) Straight 				
	32	a + c fully loaded	20 8447 032 001 025	20 8447 032 001 049
1 x 1 mm Post Profile 9.0 mm (Y) Straight 				
	32	a + c fully loaded	20 8447 032 002 025	20 8447 032 002 049
0.6 x 0.6 mm Post Profile 4.0 mm (Y) Straight 				
	32	a + c fully loaded	20 8447 032 003 025	20 8447 032 003 049
1 x 1 mm Post Profile 12.0 mm (Y) Straight 				
	32	a + c fully loaded	20 8447 032 004 025	20 8447 032 004 049
0.6 x 1.28 mm Post Profile 4.5 mm (Y) Straight 				
	32	a + c fully loaded	20 8447 032 006 025	20 8447 032 006 049

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



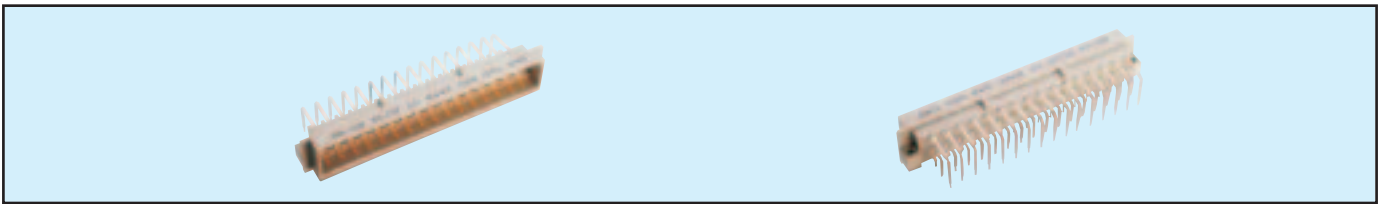
DIMENSIONS



Male Style E



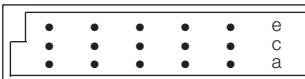
Series 8447 – 3 rows (3 x 16)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.0 mm (Y) (0.6 x 0.6 mm) Right Angled Pitch 5.08	48	a + c + e fully loaded	10 8447 048 001 025	10 8447 048 001 049
3.0 mm (Y) (0.6 x 0.6 mm) Right Angled Pitch 2.54	48	a + c + e fully loaded	10 8447 048 002 025	10 8447 048 002 049

NB: Alternative Prefix Variations Available: 12, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

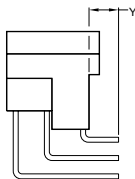
LOADING DESCRIPTION



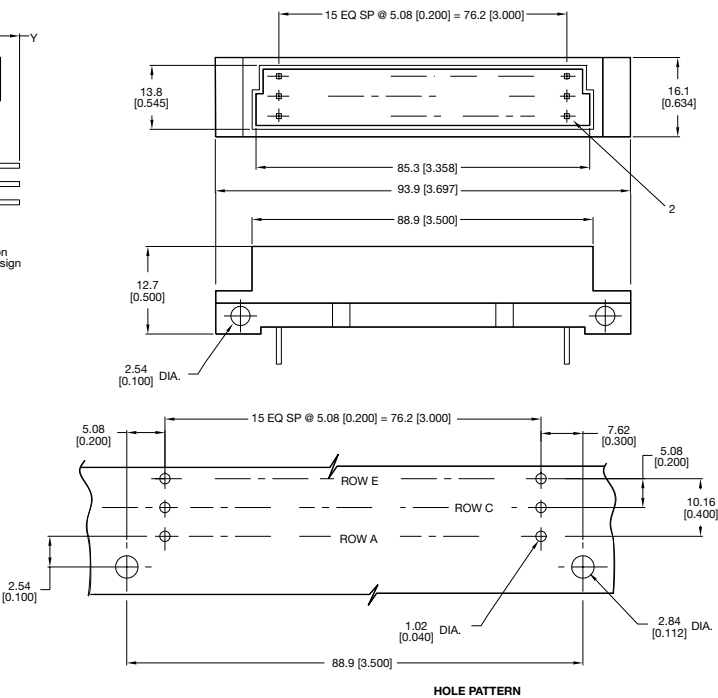
48 contacts, rows a + c + e fully loaded

Ground pin not available

DIMENSIONS



For Y dimension
see contact design



Female Style E



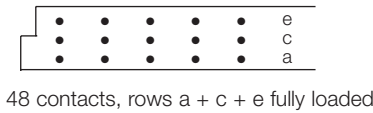
Series 8447 – 3 rows (3 x 16)



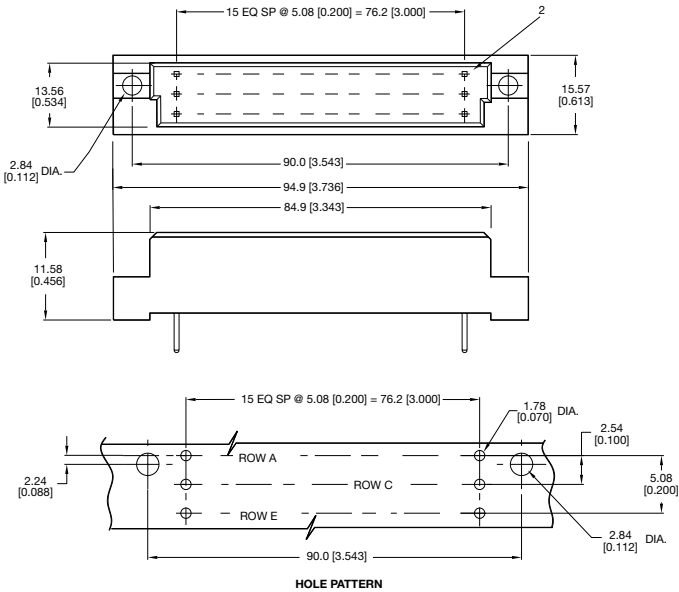
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
1 x 1 mm Post Profile 20.0 mm (Y) Straight	48	a + c + e fully loaded	20 8447 048 001 025	20 8447 048 001 049
1 x 1 mm Post Profile 9.0 mm (Y) Straight	48	a + c + e fully loaded	20 8447 048 002 025	20 8447 048 002 049
0.6 x 0.6 mm Post Profile 4.0 mm (Y) Straight	48	a + c + e fully loaded	20 8447 048 003 025	20 8447 048 003 049
1 x 1 mm Post Profile 12.0 mm (Y) Straight	48	a + c + e fully loaded	20 8447 048 004 025	20 8447 048 004 049
0.6 x 1.28 mm Post Profile 4.5 mm (Y) Straight	48	a + c + e fully loaded	20 8447 048 006 025	20 8447 048 006 049

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



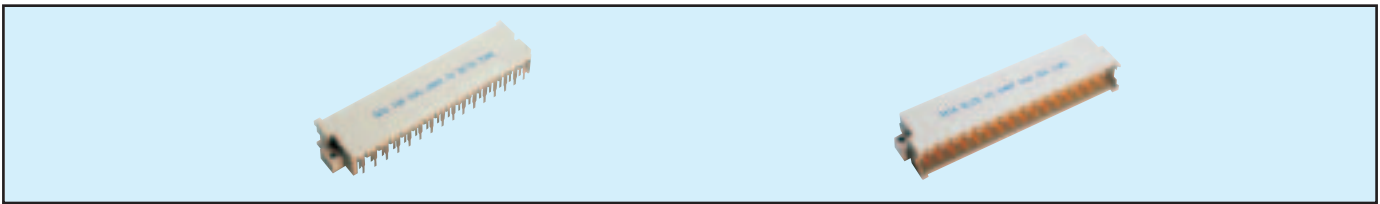
DIMENSIONS



Male Style F



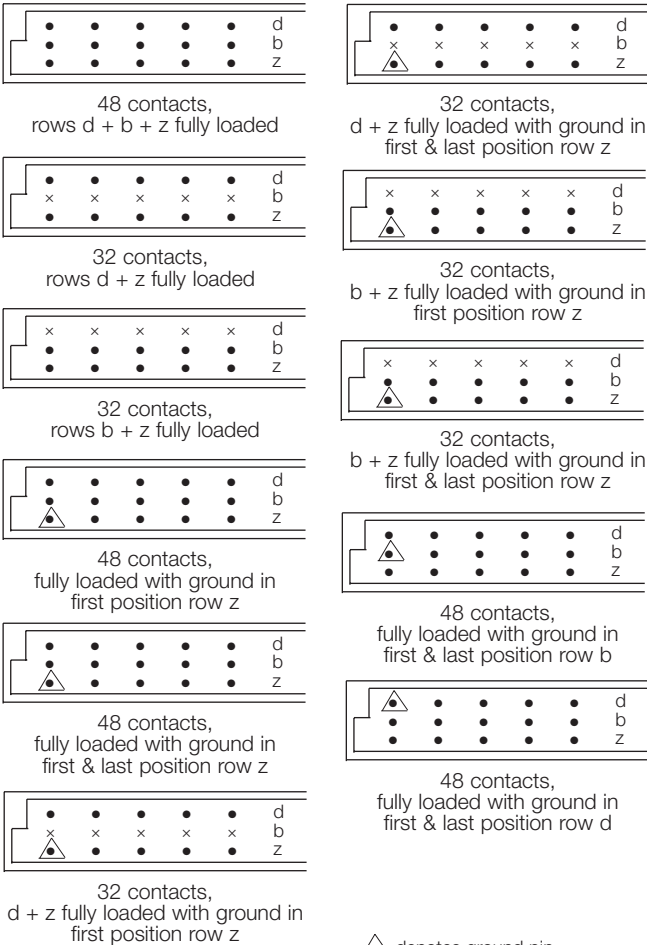
Series 8487 – 3 rows (3 x 16)



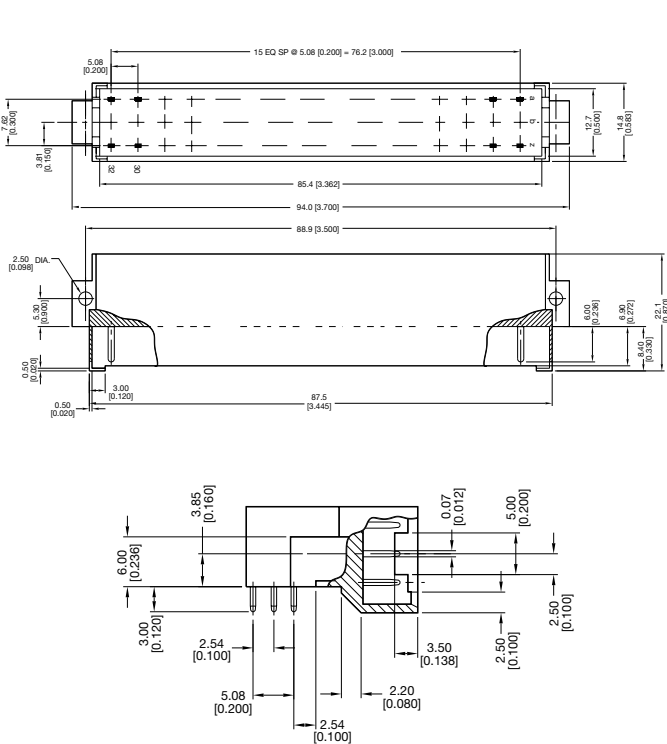
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
 3.0 mm (Y) Right Angled Pitch 5.08	32	d + z fully loaded	10 8487 048 001 026	10 8487 048 001 050
	32	b + z fully loaded	10 8487 048 001 029	10 8487 048 001 053
	32	d + z fully, Ground in z2	59 8487 048 000 055	59 8487 048 000 061
	32	d + z fully, Ground in z2 + z32	59 8487 048 000 056	59 8487 048 000 062
	32	b + z fully, Ground in z2	59 8487 048 000 057	59 8487 048 000 063
	32	b + z fully, Ground in z2 + z32	59 8487 048 000 058	59 8487 048 000 063
	48	d + b + z fully loaded	10 8487 048 001 025	10 8487 048 001 049
	48	fully loaded + Ground in z2	59 8487 048 000 053	59 8487 048 000 059
	48	fully, Ground in z2 + z32	59 8487 048 000 054	59 8487 048 000 060
	48	fully loaded + Ground in b2 + b32	59 8487 048 000 066	59 8487 048 000 065
	48	fully loaded + Ground in d2 + d32	59 8487 048 000 069	59 8487 048 000 068

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

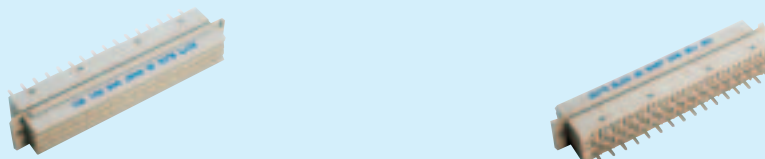
LOADING DESCRIPTION



DIMENSIONS

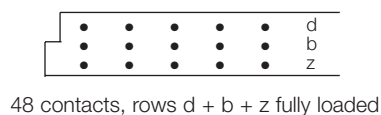


Series 8487 – 3 rows (3 x 16)

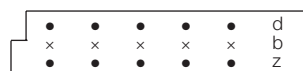


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number		
			Performance classes according to DIN 41612		
			II	I	
1 x 1 mm Post Profile 4.5 mm (X) Straight		48	d + b + z fully loaded	20 8487 048 001 025	20 8487 048 001 049
		32	d + z fully loaded	20 8487 048 001 026	20 8487 048 001 050
		32	b + z fully loaded	20 8487 048 001 029	20 8487 048 001 053
1 x 1 mm Post Profile 22.0 mm (X) Straight		48	d + b + z fully loaded	20 8487 048 002 025	20 8487 048 002 049
		32	d + z fully loaded	20 8487 048 002 026	20 8487 048 002 050
		32	b + z fully loaded	20 8487 048 002 029	20 8487 048 002 053
Soldereyelet 9.0 mm (X) Straight		48	d + b + z fully loaded	20 8487 048 003 025	20 8487 048 003 049
		32	d + z fully loaded	20 8487 048 003 026	20 8487 048 003 050
		32	b + z fully loaded	20 8487 048 003 029	20 8487 048 003 053
1 x 1 mm Post Profile 4.0 mm (X) Straight		48	d + b + z fully loaded	20 8487 048 004 025	20 8487 048 004 049
		32	d + z fully loaded	20 8487 048 004 026	20 8487 048 004 050
		32	b + z fully loaded	20 8487 048 004 029	20 8487 048 004 053
0.4 x 0.6 mm Post Profile 3.2 mm (X) Straight		48	d + b + z fully loaded	20 8487 048 005 025	20 8487 048 005 049
		32	d + z fully loaded	20 8487 048 005 026	20 8487 048 005 050
		32	b + z fully loaded	20 8487 048 005 029	20 8487 048 005 053

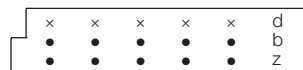
NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

[illegible]

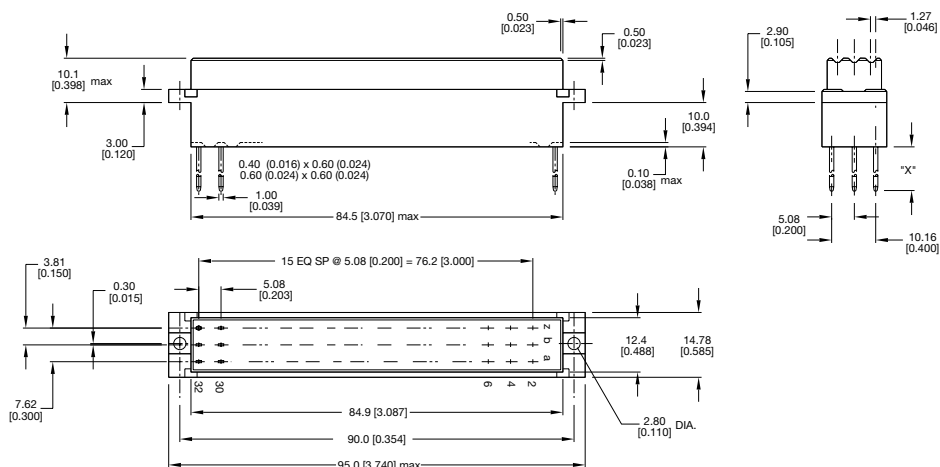
48 contacts, rows $d + b + z$ fully loaded



32 contacts, rows d + z fully loaded



32 contacts, rows b + z fully loaded



Male Style G



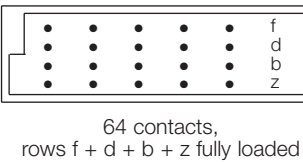
Series 8487 – 4 rows (4 x 16)



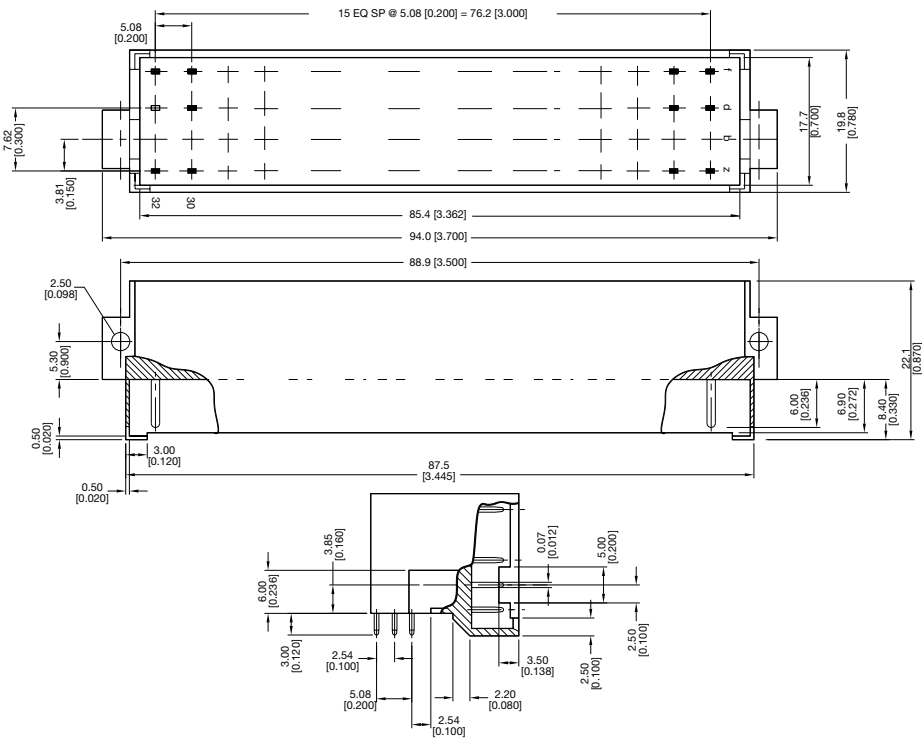
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
3.0 mm (Y) Right Angled	64	f + d + b + z fully loaded	10 8487 064 001 025	10 8487 064 001 049

NB: Alternative Prefix Variations Available: 12, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Female Style G



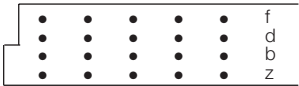
Series 8487 – 4 rows (4 x 16)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
1 x 1 mm Post Profile 4.5 mm (X) Straight	64	f + d + b + z fully loaded	20 8487 064 001 025	20 8487 064 001 049
1 x 1 mm Post Profile 22.0 mm (X) Straight	64	f + d + b + z fully loaded	20 8487 064 002 025	20 8487 064 002 049

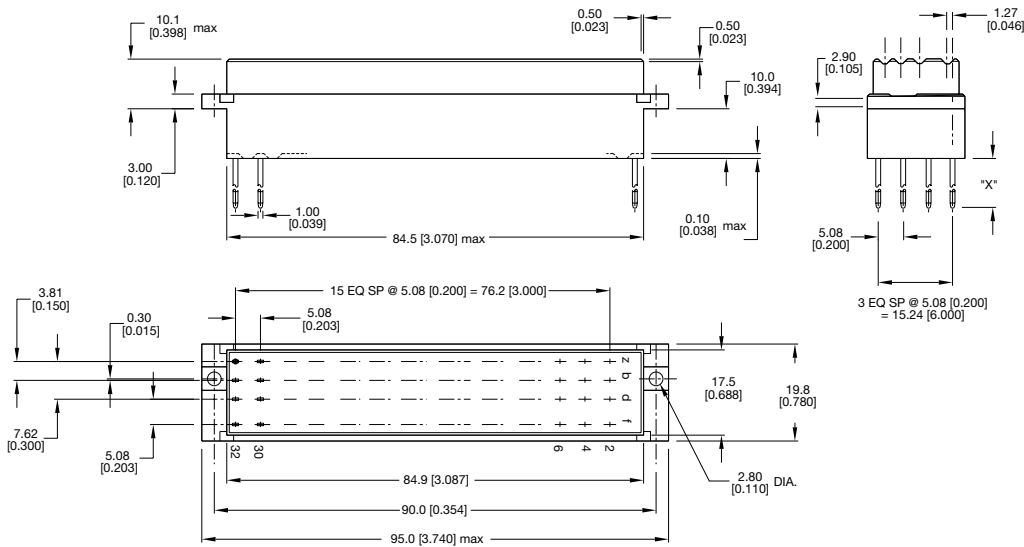
NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

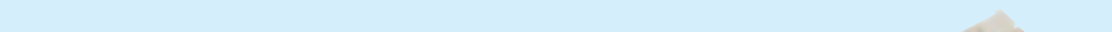
LOADING DESCRIPTION



64 contacts,
rows f + d + b + z fully loaded

DIMENSIONS





NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

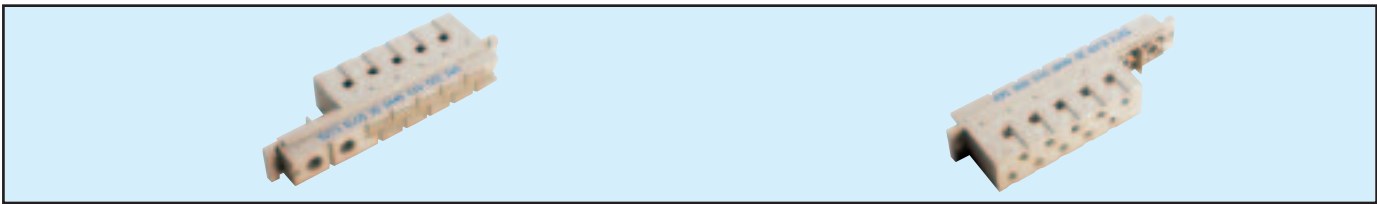
DIMENSIONS



Female Style H 10 + 2



Series 8449 – 2 rows (2 x 5) + 2



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number
			Performance classes according to DIN 41612
Power Contacts = Screw	10 + 2	fully loaded	20 8449 010 001 169
Special Contacts = Solder			
Power Contacts = Screw	10 + 2	fully loaded	20 8449 010 002 169
Special Contacts = Screw			

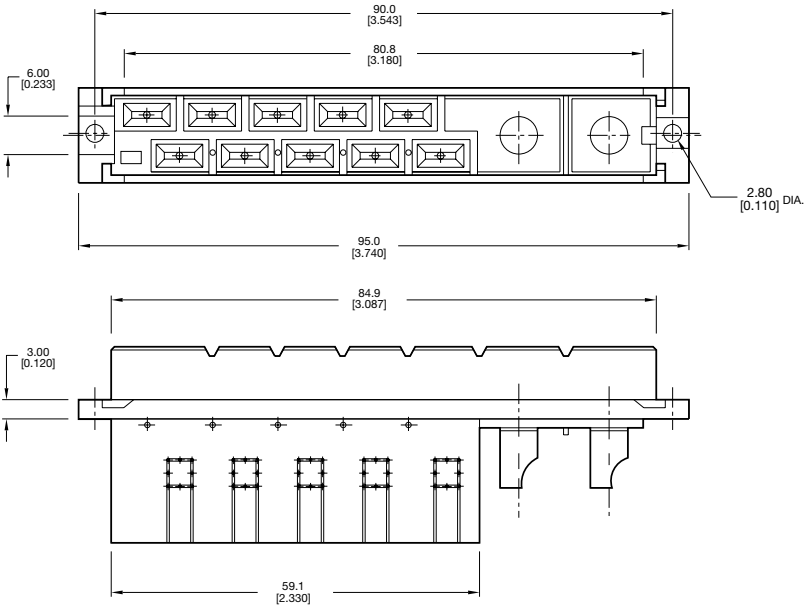
NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



10 + 2 contacts, fully loaded

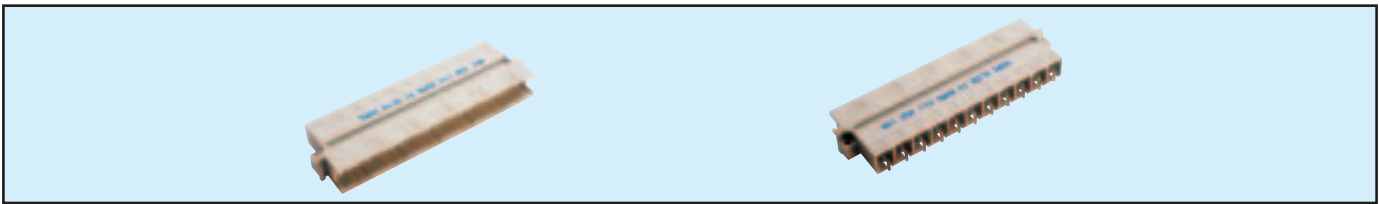
DIMENSIONS



Male Style H 11



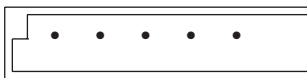
Series 8450 – single row (1 x 11)



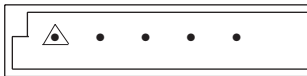
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number
			Performance classes according to DIN 41612
Faston (6.3 x 0.8)	11	fully loaded	10 8450 011 001 169
		fully loaded + ground in first & last position	10 8450 011 101 169
		fully loaded + keying*	12 8450 011 001 169
		fully loaded + keying + ground in first & last position	12 8450 011 101 169
3.0mm (1.2 x 0.8mm) Right Angled PC solder	11	fully loaded	10 8450 011 002 169
		fully loaded + ground in first & last position	10 8450 011 102 169
		fully loaded + keying*	12 8450 011 002 169
		fully loaded + keying + ground in first & last position	12 8450 011 102 169

NB: Connectors with Keying also require 10 pieces per connector pair of p/n 80 8456 8814 00 000
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



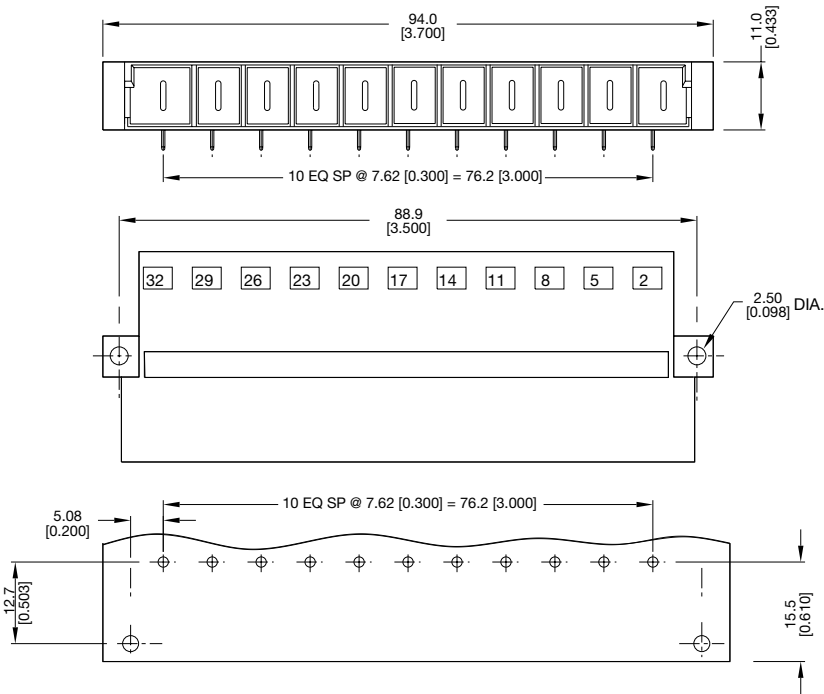
11 contacts, fully loaded



11 contacts, fully loaded with ground z1 & z32

△ denotes ground pin

DIMENSIONS



Female Style H 11

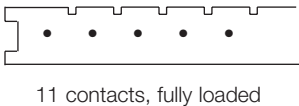
Series 8450 – single row (1 x 11)



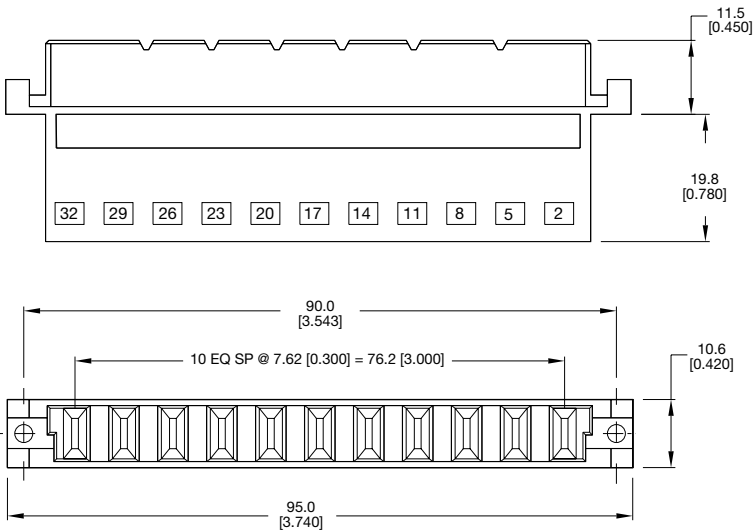
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number
			Performance classes according to DIN 41612
Faston (6.3 x 0.8)	11	fully loaded	20 8450 011 001 169
	11	fully loaded with keying*	22 8450 011 001 169

NB: Connectors with Keying also require 10 pieces per connector pair of p/n 80 8456 8814 00 000
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



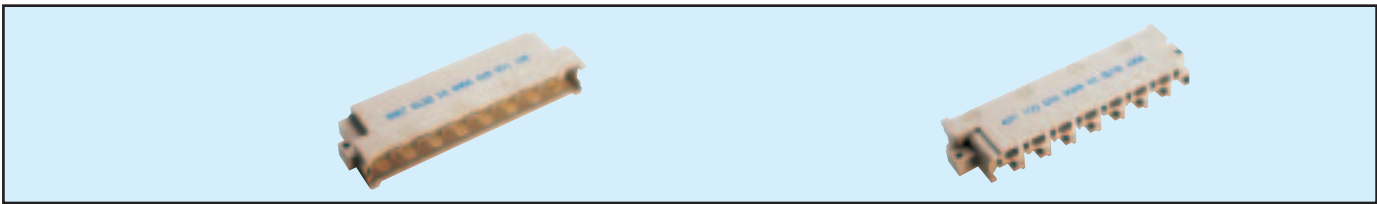
DIMENSIONS



Male Style H 15



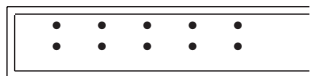
Series 8456 – 2 rows (1 x 7 + 1 x 8)



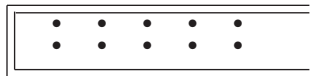
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number
			Performance classes according to DIN 41612 I
Right Angled PCB Solder	15	fully loaded	10 8456 015 001 169
		fully loaded + ground z + 32	59 8456 015 000 004
		fully loaded + ground z4 + z32	10 8456 015 101 169
Faston (6.3 x 0.8)	15	fully loaded	10 8456 015 002 169
		fully loaded + ground z + 32	59 8456 015 000 005
		fully loaded + ground z4 + z32	10 8456 015 102 169

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

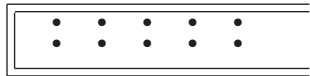
LOADING DESCRIPTION



15 contacts, fully loaded

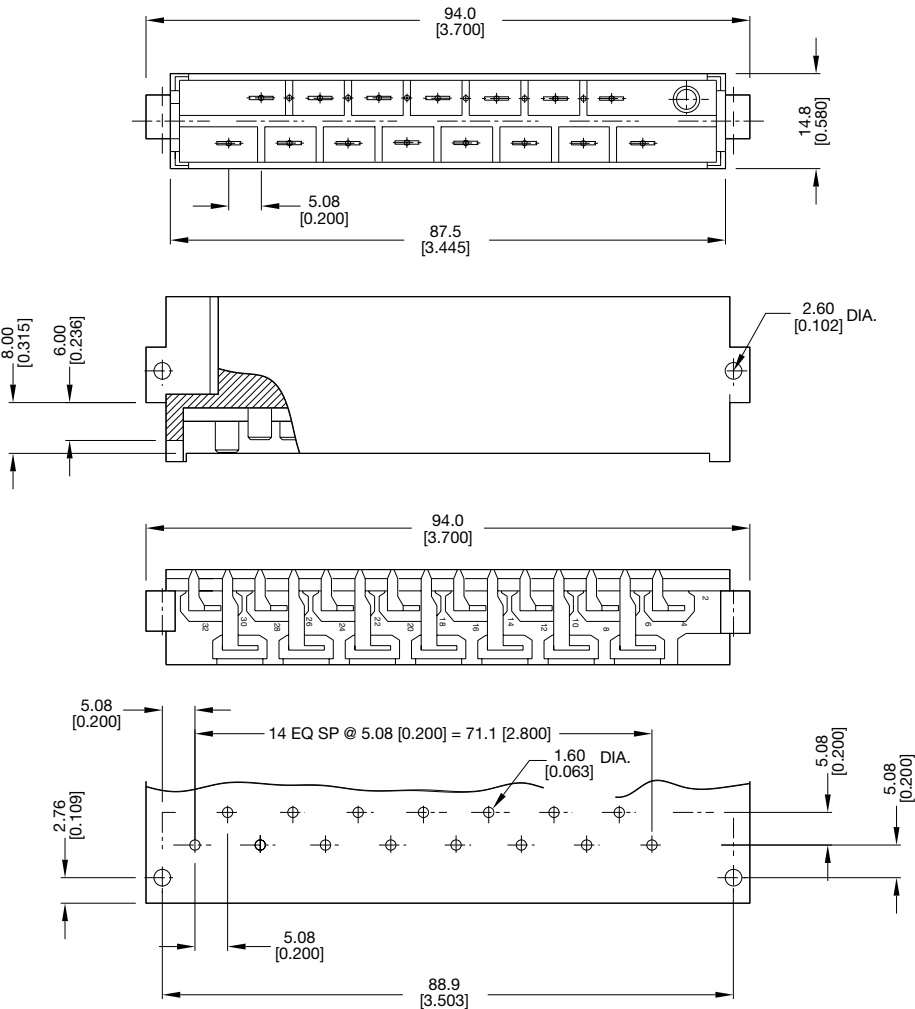


15 contacts, fully loaded with ground z32



15 contacts, fully loaded with ground z4 + z32

DIMENSIONS



Female Style H 15



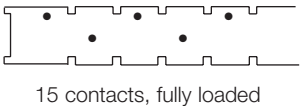
Series 8456 – 2 rows (1 x 7 + 1 x 8)



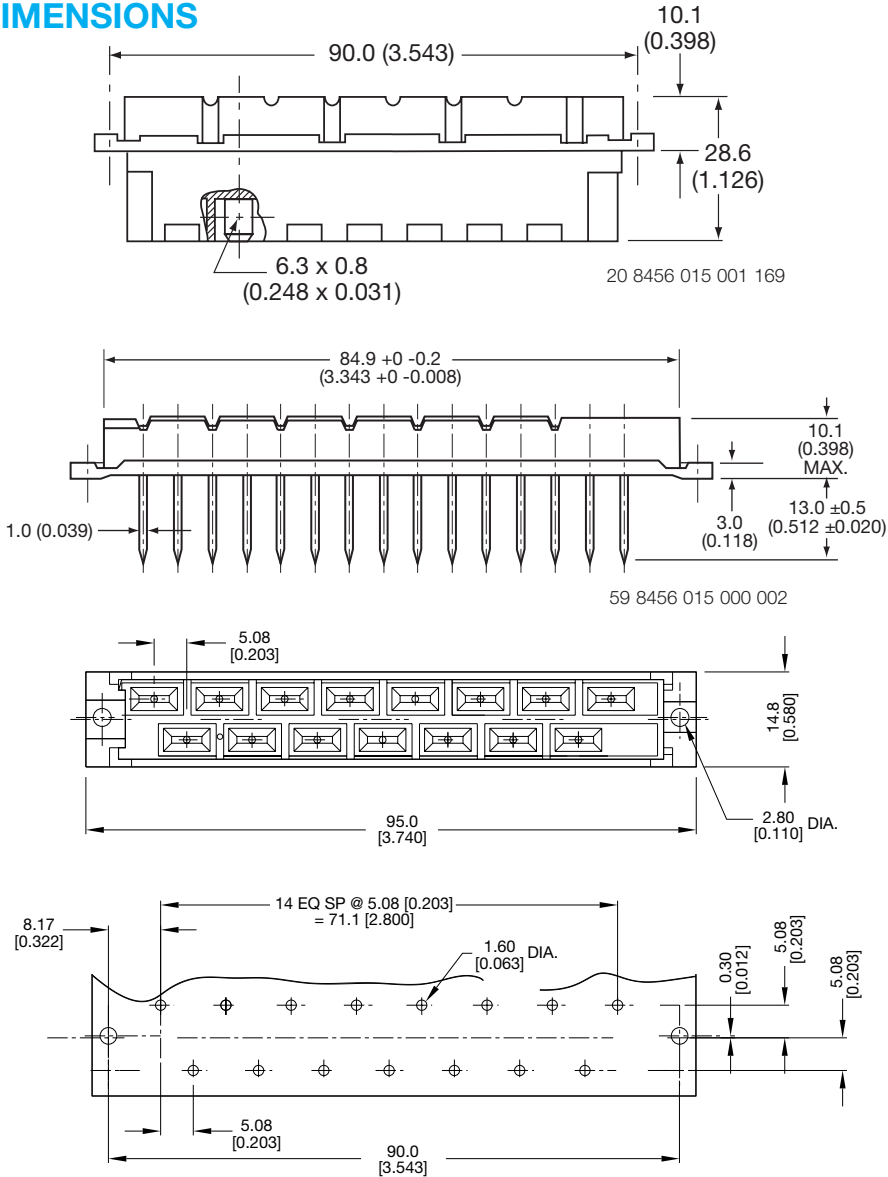
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number
			Performance classes according to DIN 41612
Faston	15	fully loaded	I
			20 8456 015 001 169
Solder 13.0 mm	15	fully loaded	59 8456 015 000 002
Solder	15	fully loaded	59 8456 015 000 003
Screw	15	fully loaded	20 8456 015 020 169
Solder 4.0mm	15	fully loaded	59 8456 015 000 001

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Female Style H 15 Crimp

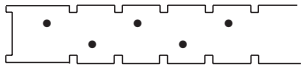


Series 8454 – 2 rows (1 x 7 + 1 x 8)



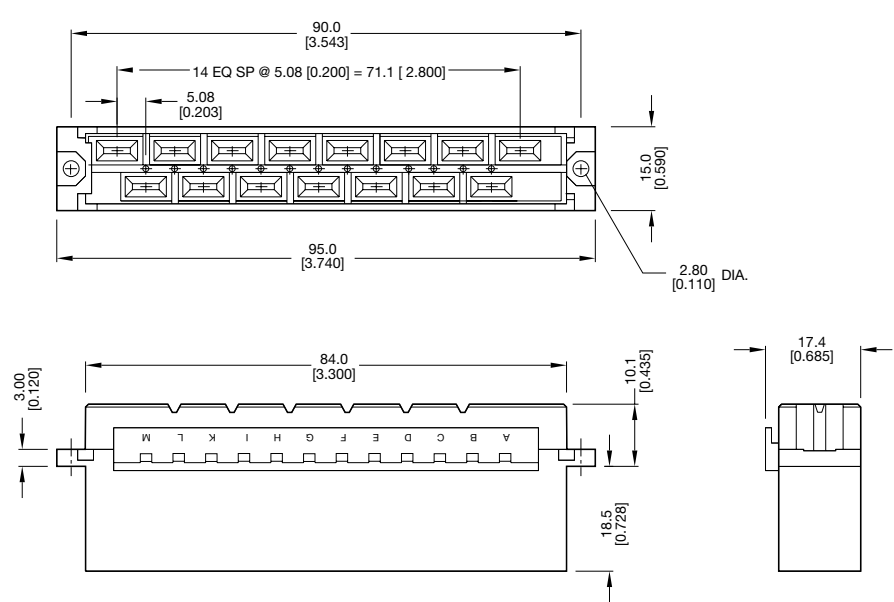
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number
			Performance classes according to DIN 41612
Crimp	15	empty housing with integrated keying	I
			22 8454 015 001 000
Crimp contacts 1.5mm ² to 2.5 mm ² wire	Performance class I according to DIN 41612 on Reel		60 8454 0213 99 697
	Performance class I according to DIN 41612 loose		60 8454 0213 00 697
Keying Strip for one connector pair			60 2427 3074 12 000
Contact removal Tool			06 8454 8010 00 000
Hand Crimp Tool			consult sales office
Semi Auto Crimp Tool			consult sales office

LOADING DESCRIPTION



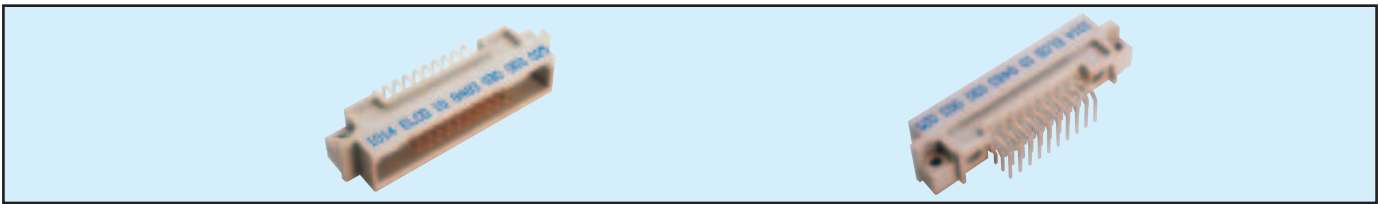
15 contacts, empty housing with integrated keying

DIMENSIONS



Male Style 1/2 M

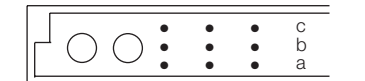
Series 8483



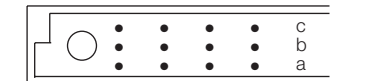
Contact Design and Termination Length	No. of Cavities For Signal Contacts	No. of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
3.0 mm (Y) Straight 	12 (3 x 4)	4	a + b + c fully loaded	10 8483 012 001 025	10 8483 012 001 049
	30 (3 x 10)	2	a + b + c fully loaded	10 8483 030 001 025	10 8483 030 001 049
11.4 mm (Y) Straight 	12 (3 x 4)	4	a + b + c fully loaded	10 8483 012 002 025	10 8483 012 002 049
	30 (3 x 10)	2	a + b + c fully loaded	10 8483 030 002 025	10 8483 030 002 049
3.0 mm (Y) Right Angled 	12 (3 x 4)	4	a + b + c fully loaded	10 8483 012 003 025	10 8483 012 003 049
	30 (3 x 10)	2	a + b + c fully loaded	10 8483 030 003 025	10 8483 030 003 049
11.3mm (Y) Right Angled 	12 (3 x 4)	4	a + b + c fully loaded	10 8483 012 004 025	10 8483 012 004 049
	30 (3 x 10)	2	a + b + c fully loaded	10 8483 030 004 025	10 8483 030 004 049
Solder hole rows a + c 6.1 mm row b 8.8 mm	12 (3 x 4)	4	a + b + c fully loaded	10 8483 012 006 025	10 8483 012 006 049
	30 (3 x 10)	2	a + b + c fully loaded	10 8483 030 006 025	10 8483 030 006 049

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION

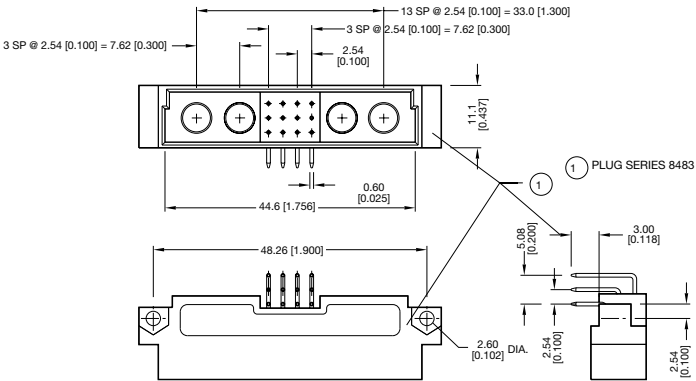


4 contacts, rows a + b + c fully loaded



2 contacts, rows a + b + c fully loaded

DIMENSIONS

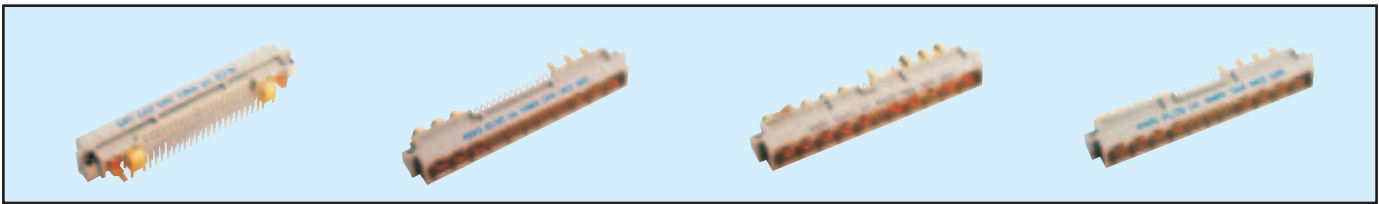


CONTACT ARRANGEMENT

Variations Receptacle (Mating Side)						Max. Pin Counts
15	12	9	8	5	2	
a						30+ Max. 2 Signal Contacts
b						
c						
a						12+ Max. 4 Signal Contacts
b						
c						

Male Style M

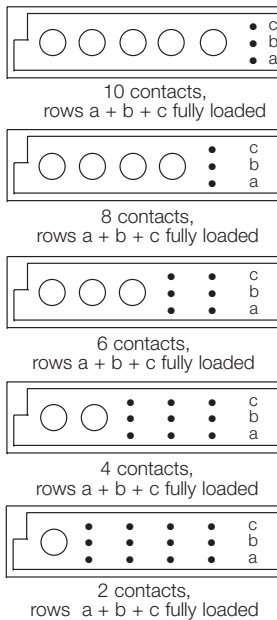
Series 8483 – Fully loaded



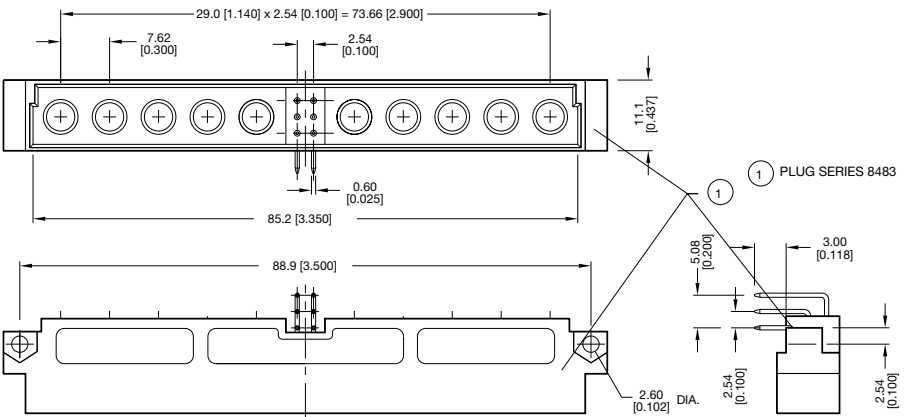
Contact Design and Termination Length	No. of Cavities For Signal Contacts	No. of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
3.0 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	10 8483 006 001 025	10 8483 006 001 049
	24 (3 x 8)	8	a + b + c fully loaded	10 8483 024 001 025	10 8483 024 001 049
	42 (3 x 14)	6	a + b + c fully loaded	10 8483 042 001 025	10 8483 042 001 049
	60 (3 x 20)	4	a + b + c fully loaded	10 8483 060 001 025	10 8483 060 001 049
	78 (3 x 26)	2	a + b + c fully loaded	10 8483 078 001 025	10 8483 078 001 049
11.4 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	10 8483 006 002 025	10 8483 006 002 049
	24 (3 x 8)	8	a + b + c fully loaded	10 8483 024 002 025	10 8483 024 002 049
	42 (3 x 14)	6	a + b + c fully loaded	10 8483 042 002 025	10 8483 042 002 049
	60 (3 x 20)	4	a + b + c fully loaded	10 8483 060 002 025	10 8483 060 002 049
	78 (3 x 26)	2	a + b + c fully loaded	10 8483 078 002 025	10 8483 078 002 049
3.0 mm (Y) Right Angled	6 (3 x 2)	10	a + b + c fully loaded	10 8483 006 003 025	10 8483 006 003 049
	24 (3 x 8)	8	a + b + c fully loaded	10 8483 024 003 025	10 8483 024 003 049
	42 (3 x 14)	6	a + b + c fully loaded	10 8483 042 003 025	10 8483 042 003 049
	60 (3 x 20)	4	a + b + c fully loaded	10 8483 060 003 025	10 8483 060 003 049
	78 (3 x 26)	2	a + b + c fully loaded	10 8483 078 003 025	10 8483 078 003 049
11.3mm (Y) Right Angled	6 (3 x 2)	10	a + b + c fully loaded	10 8483 006 004 025	10 8483 006 004 049
	24 (3 x 8)	8	a + b + c fully loaded	10 8483 024 004 025	10 8483 024 004 049
	42 (3 x 14)	6	a + b + c fully loaded	10 8483 042 004 025	10 8483 042 004 049
	60 (3 x 20)	4	a + b + c fully loaded	10 8483 060 004 025	10 8483 060 004 049
	78 (3 x 26)	2	a + b + c fully loaded	10 8483 078 004 025	10 8483 078 004 049
Solder hole rows a + c 6.1 mm row b 8.8 mm	6 (3 x 2)	10	a + b + c fully loaded	10 8483 006 006 025	10 8483 006 006 049
	24 (3 x 8)	8	a + b + c fully loaded	10 8483 024 006 025	10 8483 024 006 049
	42 (3 x 14)	6	a + b + c fully loaded	10 8483 042 006 025	10 8483 042 006 049
	60 (3 x 20)	4	a + b + c fully loaded	10 8483 060 006 025	10 8483 060 006 049
	78 (3 x 26)	2	a + b + c fully loaded	10 8483 078 006 025	10 8483 078 006 049

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



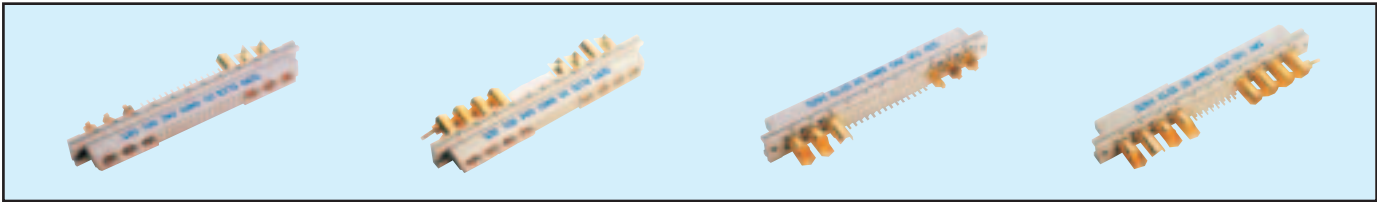
DIMENSIONS



See Page 45 for board layout

Female Style M

Series 8483 – Fully loaded



Contact Design and Termination Length	No. of Cavities For Signal Contacts	No. of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
4.5 mm (Y) Straight 	6 (3 x 2)	10	a + b + c fully loaded	20 8483 006 001 025	20 8483 006 001 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8483 024 001 025	20 8483 024 001 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8483 042 001 025	20 8483 042 001 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8483 060 001 025	20 8483 060 001 049
	78 (3 x 26)	2	a + b + c fully loaded	20 8483 078 001 025	20 8483 078 001 049
2.9 mm (Y) Straight 	6 (3 x 2)	10	a + b + c fully loaded	20 8483 006 002 025	20 8483 006 002 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8483 024 002 025	20 8483 024 002 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8483 042 002 025	20 8483 042 002 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8483 060 002 025	20 8483 060 002 049
	78 (3 x 26)	2	a + b + c fully loaded	20 8483 078 002 025	20 8483 078 002 049
13.0 mm (Y) Straight 	6 (3 x 2)	10	a + b + c fully loaded	20 8483 006 003 025	20 8483 006 003 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8483 024 003 025	20 8483 024 003 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8483 042 003 025	20 8483 042 003 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8483 060 003 025	20 8483 060 003 049
	78 (3 x 26)	2	a + b + c fully loaded	20 8483 078 003 025	20 8483 078 003 049

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

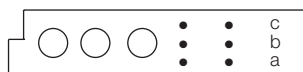
LOADING DESCRIPTION



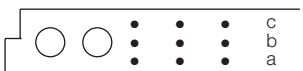
10 contacts,
rows a + b + c fully loaded



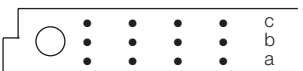
8 contacts,
rows a + b + c fully loaded



6 contacts,
rows a + b + c fully loaded

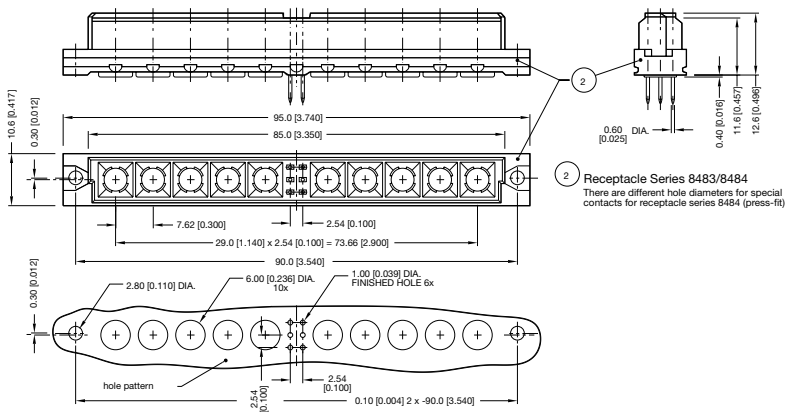


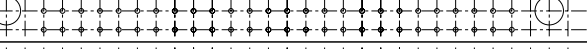
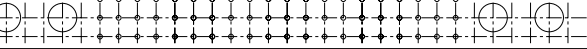
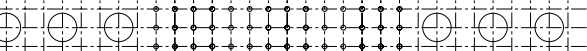
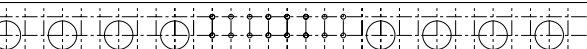
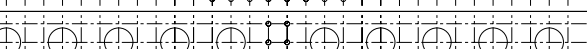
4 contacts,
rows a + b + c fully loaded



2 contacts,
rows a + b + c fully loaded

DIMENSIONS



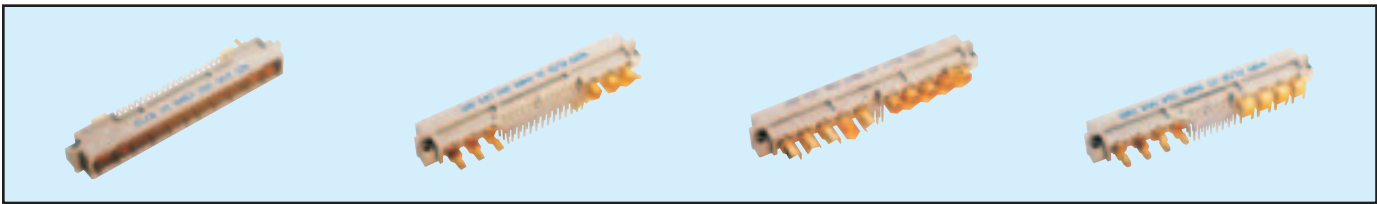
CONTACT ARRANGEMENT		variations receptacle (mating side)												max pin counts
		31	28	25	22	19	17	16	14	11	8	5	2	
a	b													78+ max 2 special contacts
a	b													60+ max 4 special contacts
a	b													42+ max 6 special contacts
a	b													24+ max 8 special contacts
a	b													6+ max 10 special contacts

See Page 45 for board layout

Male Style M



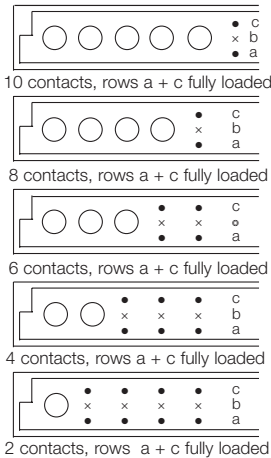
Series 8483 – a + c loaded



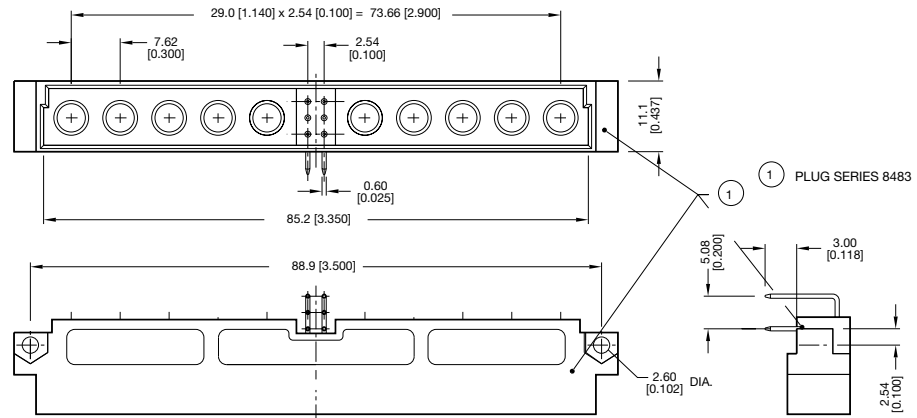
Contact Design and Termination Length	No. of Cavities For Signal Contacts	No. of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
3.0 mm (Y) Straight	6 (3 x 2)	10	a + c fully loaded	10 8483 006 001 026	10 8483 006 001 050
	24 (3 x 8)	8	a + c fully loaded	10 8483 024 001 026	10 8483 024 001 050
	42 (3 x 14)	6	a + c fully loaded	10 8483 042 001 026	10 8483 042 001 050
	60 (3 x 20)	4	a + c fully loaded	10 8483 060 001 026	10 8483 060 001 050
	78 (3 x 26)	2	a + c fully loaded	10 8483 078 001 026	10 8483 078 001 050
11.4 mm (Y) Straight	6 (3 x 2)	10	a + c fully loaded	10 8483 006 002 026	10 8483 006 002 050
	24 (3 x 8)	8	a + c fully loaded	10 8483 024 002 026	10 8483 024 002 050
	42 (3 x 14)	6	a + c fully loaded	10 8483 042 002 026	10 8483 042 002 050
	60 (3 x 20)	4	a + c fully loaded	10 8483 060 002 026	10 8483 060 002 050
	78 (3 x 26)	2	a + c fully loaded	10 8483 078 002 026	10 8483 078 002 050
3.0 mm (Y) Right Angled	6 (3 x 2)	10	a + c fully loaded	10 8483 006 003 026	10 8483 006 003 050
	24 (3 x 8)	8	a + c fully loaded	10 8483 024 003 026	10 8483 024 003 050
	42 (3 x 14)	6	a + c fully loaded	10 8483 042 003 026	10 8483 042 003 050
	60 (3 x 20)	4	a + c fully loaded	10 8483 060 003 026	10 8483 060 003 050
	78 (3 x 26)	2	a + c fully loaded	10 8483 078 003 026	10 8483 078 003 050
11.3mm (Y) Right Angled	6 (3 x 2)	10	a + c fully loaded	10 8483 006 004 026	10 8483 006 004 050
	24 (3 x 8)	8	a + c fully loaded	10 8483 024 004 026	10 8483 024 004 050
	42 (3 x 14)	6	a + c fully loaded	10 8483 042 004 026	10 8483 042 004 050
	60 (3 x 20)	4	a + c fully loaded	10 8483 060 004 026	10 8483 060 004 050
	78 (3 x 26)	2	a + c fully loaded	10 8483 078 004 026	10 8483 078 004 050
Solder eyelet rows a + c 4.8 mm row b 7.5 mm	6 (3 x 2)	10	a + c fully loaded	10 8483 006 005 026	10 8483 006 005 050
	24 (3 x 8)	8	a + c fully loaded	10 8483 024 005 026	10 8483 024 005 050
	42 (3 x 14)	6	a + c fully loaded	10 8483 042 005 026	10 8483 042 005 050
	60 (3 x 20)	4	a + c fully loaded	10 8483 060 005 026	10 8483 060 005 050
	78 (3 x 26)	2	a + c fully loaded	10 8483 078 005 026	10 8483 078 005 050

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



See Page 45 for board layout

Female Style M

Series 8483 – a + c loaded



Contact Design and Termination Length	No. of Cavities For Signal Contacts	No. of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
4.5 mm (Y) Straight	6 (3 x 2)	10	a + c fully loaded	20 8483 006 001 026	20 8483 006 001 050
	24 (3 x 8)	8	a + c fully loaded	20 8483 024 001 026	20 8483 024 001 050
	42 (3 x 14)	6	a + c fully loaded	20 8483 042 001 026	20 8483 042 001 050
	60 (3 x 20)	4	a + c fully loaded	20 8483 060 001 026	20 8483 060 001 050
	78 (3 x 26)	2	a + c fully loaded	20 8483 078 001 026	20 8483 078 001 050
2.9 mm (Y) Straight	6 (3 x 2)	10	a + c fully loaded	20 8483 006 002 026	20 8483 006 002 050
	24 (3 x 8)	8	a + c fully loaded	20 8483 024 002 026	20 8483 024 002 050
	42 (3 x 14)	6	a + c fully loaded	20 8483 042 002 026	20 8483 042 002 050
	60 (3 x 20)	4	a + c fully loaded	20 8483 060 002 026	20 8483 060 002 050
	78 (3 x 26)	2	a + c fully loaded	20 8483 078 002 026	20 8483 078 002 050
13.0 mm (Y) Straight	6 (3 x 2)	10	a + c fully loaded	20 8483 006 003 026	20 8483 006 003 050
	24 (3 x 8)	8	a + c fully loaded	20 8483 024 003 026	20 8483 024 003 050
	42 (3 x 14)	6	a + c fully loaded	20 8483 042 003 026	20 8483 042 003 050
	60 (3 x 20)	4	a + c fully loaded	20 8483 060 003 026	20 8483 060 003 050
	78 (3 x 26)	2	a + c fully loaded	20 8483 078 003 026	20 8483 078 003 050

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

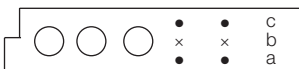
LOADING DESCRIPTION



10 contacts,
rows a + c fully loaded



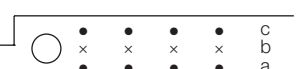
8 contacts,
rows a + c fully loaded



6 contacts,
rows a + c fully loaded

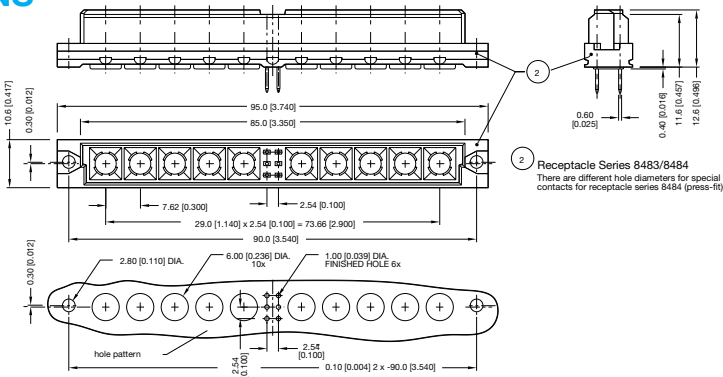


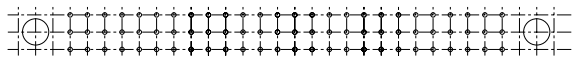
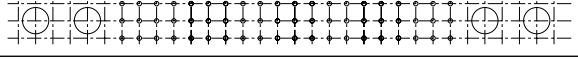
4 contacts,
rows a + c fully loaded



2 contacts,
rows a + c fully loaded

DIMENSIONS



CONTACT ARRANGEMENT		max pin counts
variations receptacle (mating side)		
	78+ max 2 special contacts	
	60+ max 2 special contacts	
	42+ max 6 special contacts	
	24+ max 8 special contacts	
	6+ max 10 special contacts	

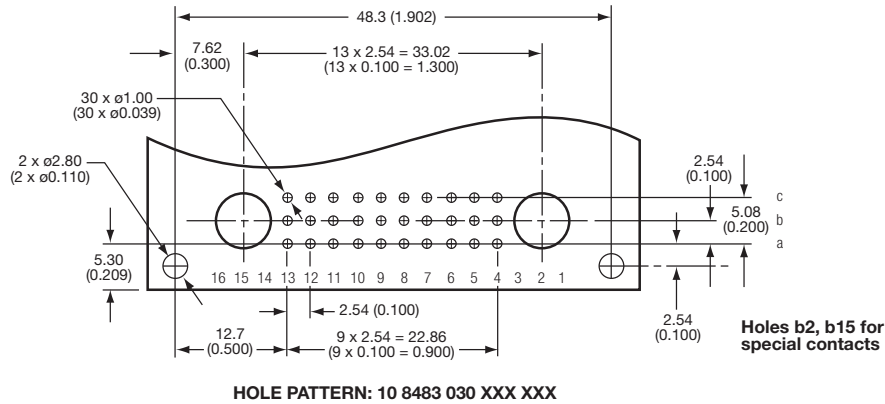
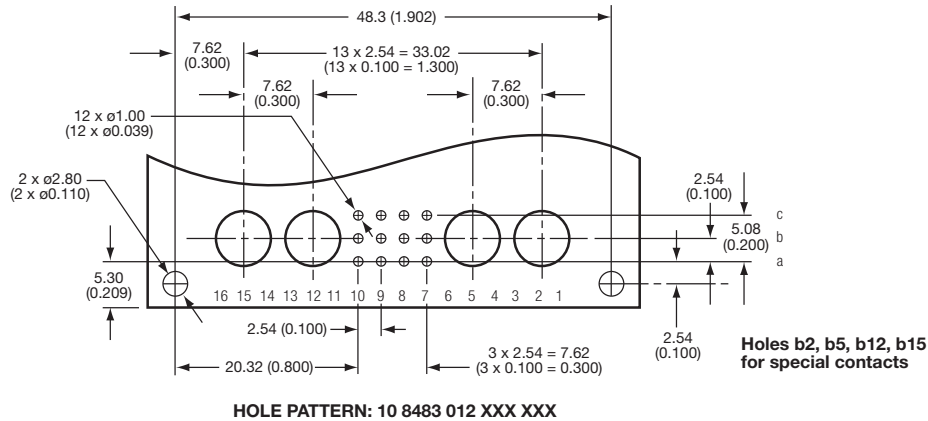
See Page 45 for board layout

Style M Connectors

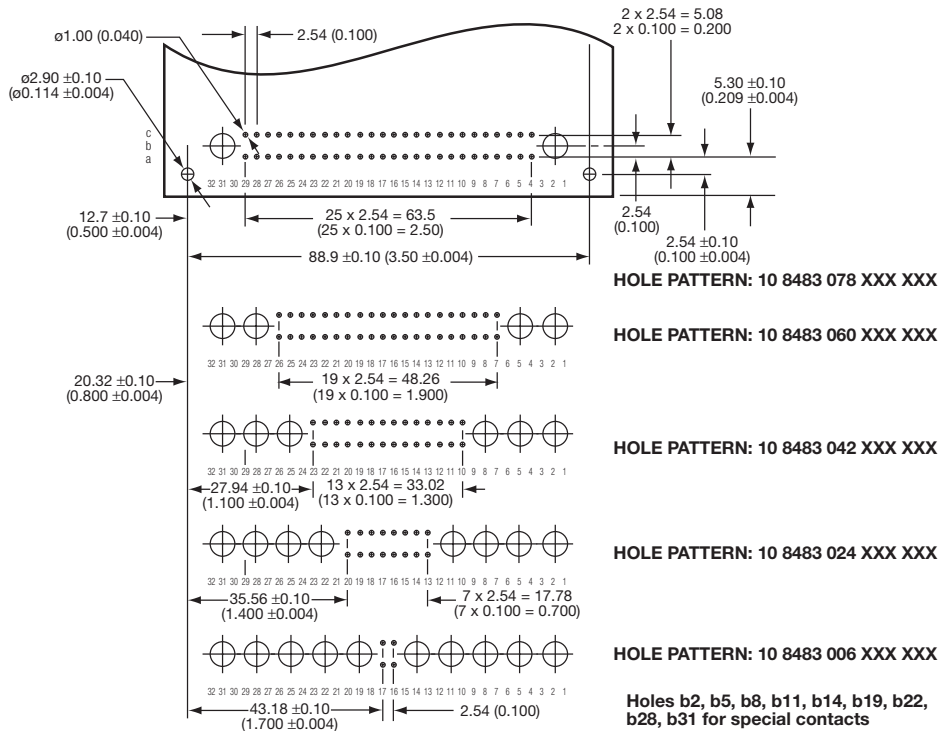
Board Layouts



STYLE 1/2 M



STYLE M



Style M Contacts



Series 8489 – Special Contacts for Style M Connectors

COAX PLUG CONTACT FOR RECEPTACLE SERIES 8483/8484

Dimensions: mm/inches

Variation	Termination		Dimensions			Wire Type	Order Code
	Outer Conductor	Inner Conductor	ØA	ØB	ØC		
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 196, 178	60 8489 020 001 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 179, 316 (single), RG 187	60 8489 020 002 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.58/0.141	RG 316 (braided), RG 187 (double)	60 8489 020 003 049
	SOLDER	SOLDER	1.30/0.051	1.90/0.075	2.20/0.087	RG 178	60 8489 020 004 049
	SOLDER	SOLDER	2.25/0.089	2.90/0.114	3.20/0.126	RG 179	60 8489 020 005 049
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 178	60 8489 020 006 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 179	60 8489 020 007 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.55/0.140	RG 187	60 8489 020 008 049
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 178	60 8489 020 009 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 316 (single), RG 179	60 8489 020 010 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.55/0.140	RG 187	60 8489 020 011 049
	P.C. (1)	P.C. (1)				RG 316 (double)	60 8489 020 012 049

(1) Not applicable for receptacles with P.C. and Press-Fit termination.

Style M Contacts



Series 8489 – Special Contacts for Style M Connectors

COAX RECEPTACLE CONTACT FOR PLUG SERIES 8483

Dimensions: mm/inches

Variation	Termination		Dimensions			Wire Type	Order Code
	Outer Conductor	Inner Conductor	ØA	ØB	ØC		Perf. Class I
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.55/0.140	RG 187	60 8489 030 001 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 316, RG 179, RG 188, RG 174	60 8489 030 002 049
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 178	60 8489 030 003 049
	SOLDER	SOLDER	2.25/0.089	2.90/0.114	3.20/0.126	RG 179	60 8489 030 004 049
	SOLDER	SOLDER	1.30/0.051	1.90/0.075	2.20/0.087	RG 178	60 8489 030 005 049
	CRIMP	SOLDER	1.70/0.067	2.70/0.106	3.20/0.126	RG 179	60 8489 030 006 049
	CRIMP	SOLDER	1.05/0.041	1.70/0.067	2.25/0.089	RG 178	60 8489 030 007 049
	P.C.	P.C.					60 8489 030 008 049

HIGH VOLTAGE PLUG CONTACT FOR RECEPTACLE SERIES 8483/8484

Variation	Termination	Performance	Ordering Code
			Perf. Class I
	SOLDER CABLE OUTLET STRAIGHT AWG 20 maximum	2.8 KV max	60 8489 070 001 049
	SOLDER CABLE OUTLET 90° AWG 20 maximum	2.8 KV max	60 8489 070 002 049

HIGH VOLTAGE RECEPTACLE CONTACT FOR PLUG SERIES 8483/8484

HIGH POWER PLUG CONTACT FOR PLUG SERIES 8483/8484

HIGH POWER RECEPTACLE CONTACT FOR RECEPTACLE SERIES 8483/8484

Variation	Termination	ØA*	Performance	Ordering Code
	SOLDER	.189 (4.80)	40 Ampere max.	60 8489 050 001 049
	SOLDER	.138 (3.50)	30 Ampere max.	60 8489 050 002 049
	SOLDER	.110 (2.80)	20 Ampere max.	60 8489 050 003 049
	SOLDER	.067 (1.70)	10 Ampere max.	60 8489 050 004 049
	CRIMP	.189 (4.80)	40 Ampere max.	60 8489 050 005 049
	CRIMP	.138 (3.50)	30 Ampere max.	60 8489 050 006 049
	CRIMP	.110 (2.80)	20 Ampere max.	60 8489 050 007 049
	CRIMP	.067 (1.70)	10 Ampere max.	60 8489 050 008 049
	P.C.	Contact	40 Ampere max.	60 8489 050 009 049

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Style M Contacts



Series 8489 – Special Contacts for Style M Connectors

TECHNICAL DATA

	Coaxial Contacts	High Voltage Contacts	High Current Contacts
Contact Material	copper alloy	copper alloy	copper alloy
Contact Plating	gold over nickel	gold over nickel	gold over nickel
Performance Class	1 - 500 mating cycles	1 - 500 mating cycles	1 - 500 mating cycles
Insulator Material	PTFE	PTFE	
Temperature Range	-55°C ~ +125°C	-55°C ~ +125°C	-55°C ~ +125°C
Maximum Current	0.5 ampere	0.5 ampere	10, 20, 30, 40 ampere
Operating Voltage	250 V eff.	2.8 KV	
Peak Voltage	750 V eff.	3.8 KV	
Contact Resistance	3 Mohm max. (1) 10 Mohm max. (2)	< 3 Mohm max.	< 1 Mohm max.
Insulation Resistance	10,000,000 Mohm	10,000,000 Mohm	
Insertion Force (max.)	10 N	3 N	10 N
Retention Force (min.)	0.9 N	0.8 N	1.6 N
Characteristic Impedance	50 Ohm		
Working Frequency	ca. 30 GHz max. 0-10 GHz opt.		
Reflection Coefficient	max. 0.05 to 1 GHz max. 0.07 to 4 GHz max. 0.1 to 10 GHz		

(1) Outer Conductor

(2) Inner Conductor

Style M Tooling



Series 8489 – Tools for Special Contacts for Style M Connectors

CRIMPING PLIER FOR HIGH POWER CONTACTS

Part Number
06 8489 001 010 000



CRIMPING PLIER FOR COAX CONTACTS (WITHOUT CRIMPING INSERTS)

Part Number
36 8489 001 020 001

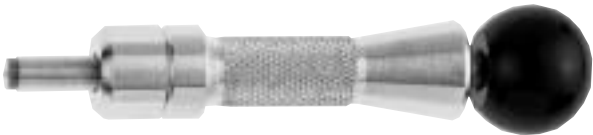


CRIMPING INSERTS

Part Number	Cable Type
66 8489 00 102 1 000	RG 196 A/U RG 178 B/U
66 8489 00 102 2 000	RG 188 A/U RG 174 A/U RG 316 /U RG 179 B/U RG 187 A/U
66 8489 00 102 3 000	RG 316 /U

EXTRACTION TOOL FOR ALL CONTACT TYPES

Part Number	Length
06 8489 001 001 000	2.755 (70.00)
06 8489 001 002 000	7.874 (200.00)
06 8489 001 003 000	Replacement Tip



Female Style 1/2 Q



Series 8477 – 2 rows (2 x 16) Inverted



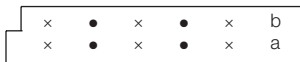
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled	64	a + b fully loaded	20 8477 032 002 025	20 8477 032 002 049
	32	a + b all even loading	20 8477 032 002 031	20 8477 032 002 055
	32	a loading only	20 8477 032 002 027	20 8477 032 002 051
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled	32	a + b fully loaded	20 8477 032 006 025	20 8477 032 006 049
	16	a + b all even loading	20 8477 032 006 031	20 8477 032 006 055
	16	a loading only	20 8477 032 006 027	20 8477 032 006 051
0.6 x 0.6 mm Post Profile 11.43 mm (Y) Right Angled	32	a + b fully loaded	20 8477 032 008 025	20 8477 032 008 049
	16	a + b all even loading	20 8477 032 008 031	20 8477 032 008 055
	16	a loading only	20 8477 032 008 027	20 8477 032 008 051
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled	32	a + b fully loaded	20 8477 032 012 025	20 8477 032 012 049
	16	a + b all even loading	20 8477 032 012 031	20 8477 032 012 055
	16	a loading only	20 8477 032 012 027	20 8477 032 012 051

NB: Prefix Variations Available: 22, 26 & 27, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

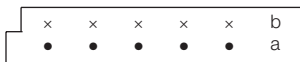
LOADING DESCRIPTION



32 contacts, rows a + b fully loaded

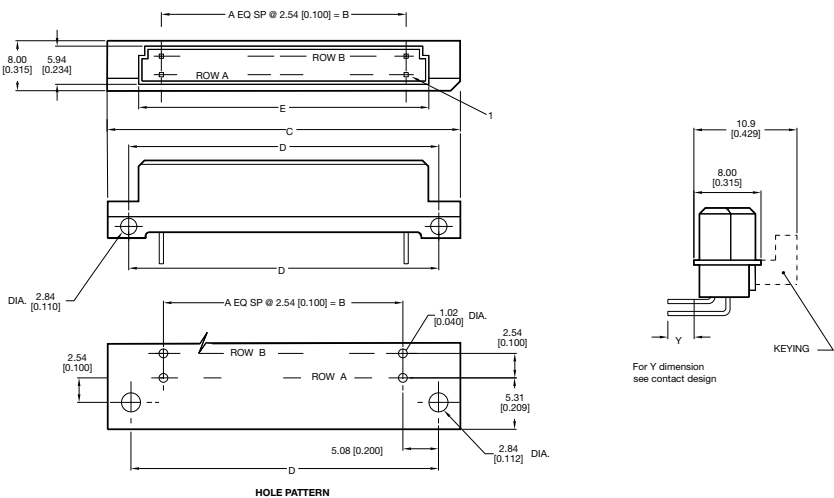


16 contacts, rows a + b even loading



16 contacts, row a loading only

DIMENSIONS



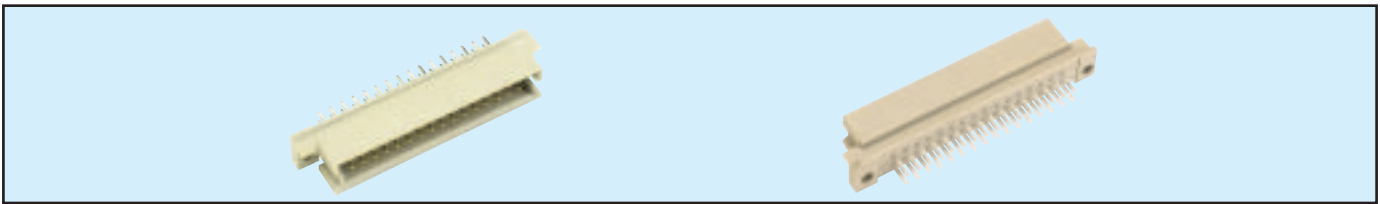
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
32	2 (2 x 16)	15	38.10 (1.500)	53.90 (2.122)	48.26 (1.900)	44.30 (1.744)

Male Style 1/2 Q



Series 8477 – 2 rows (2 x 16) Inverted

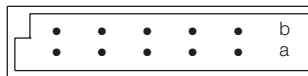


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
2.9 mm (Y) Straight 	32	a + b fully loaded	10 8477 032 001 025	10 8477 032 001 049
	16	a + b even loading	10 8477 032 001 031	10 8477 032 001 055
	16	a loading only	10 8477 032 001 027	10 8477 032 001 051
	30 + 2	fully loaded + ground	10 8477 032 101 025	10 8477 032 101 049
4.5 mm (Y) Straight 	32	a + b fully loaded	10 8477 032 002 025	10 8477 032 002 049
	16	a + b even loading	10 8477 032 002 031	10 8477 032 002 055
	16	a loading only	10 8477 032 002 027	10 8477 032 002 051
	30 + 2	fully loaded + ground	10 8477 032 102 025	10 8477 032 102 049
9.5 mm (Y) Straight 	32	a + b fully loaded	10 8477 032 005 025	10 8477 032 005 049
	16	a + b even loading	10 8477 032 005 031	10 8477 032 005 055
	16	a loading only	10 8477 032 005 027	10 8477 032 005 051
13.0 mm (Y) Straight 	32	a + b fully loaded	10 8477 032 006 025	10 8477 032 006 049
	16	a + b even loading	10 8477 032 006 031	10 8477 032 006 055
	16	a loading only	10 8477 032 006 027	10 8477 032 006 051
14.9 mm (Y) Straight 	32	a + b fully loaded	10 8477 032 007 025	10 8477 032 007 049
	16	a + b even loading	10 8477 032 007 031	10 8477 032 007 055
	16	a loading only	10 8477 032 007 027	10 8477 032 007 051

NB: Alternative Prefix Variations Available: 12, 14, 15, 16 & 17, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

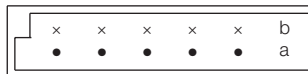
LOADING DESCRIPTION



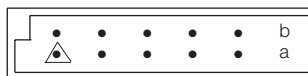
32 contacts, rows a + b fully loaded



16 contacts, rows a + b even loading



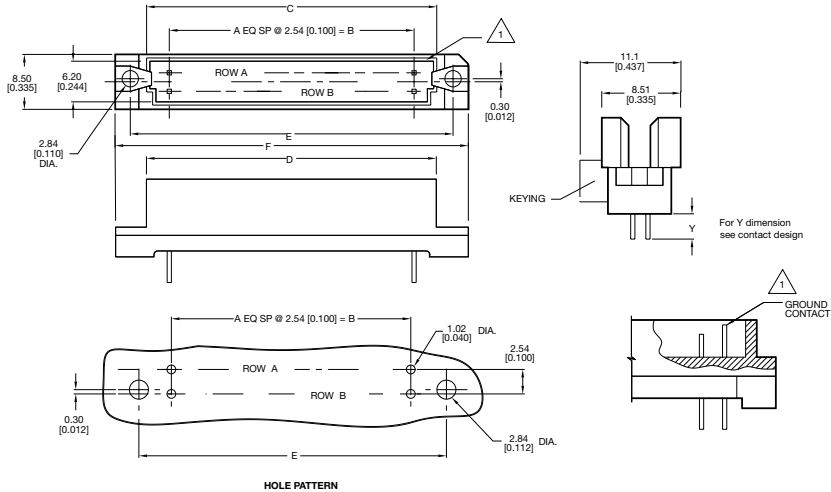
16 contacts, row a loading only



30 + 2 contacts, fully loaded with ground in A1 & A16

△ denotes ground pin

DIMENSIONS



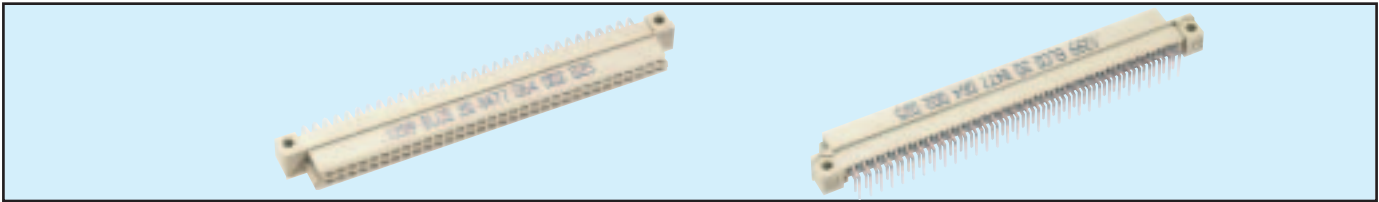
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
32	2 (2 x 16)	15	38.10 (1.500)	44.70 (1.760)	47.29 (1.862)	49.99 (1.968)	54.91 (2.162)

Female Style Q



Series 8477 – 2 rows (2 x 32) Inverted



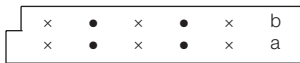
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled	64	a + b fully loaded	20 8477 064 002 025	20 8477 064 002 049
	32	a + b all even loading	20 8477 064 002 031	20 8477 064 002 055
	32	a loading only	20 8477 064 002 027	20 8477 064 002 051
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled	64	a + b fully loaded	20 8477 064 006 025	20 8477 064 006 049
	32	a + b all even loading	20 8477 064 006 031	20 8477 064 006 055
	32	a loading only	20 8477 064 006 027	20 8477 064 006 051
0.6 x 0.6 mm Post Profile 11.43 mm (Y) Right Angled	64	a + b fully loaded	20 8477 064 008 025	20 8477 064 008 049
	32	a + b all even loading	20 8477 064 008 031	20 8477 064 008 055
	32	a loading only	20 8477 064 008 027	20 8477 064 008 051
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled	64	a + b fully loaded	20 8477 064 012 025	20 8477 064 012 049
	32	a + b all even loading	20 8477 064 012 031	20 8477 064 012 055
	32	a loading only	20 8477 064 012 027	20 8477 064 012 051

NB: Alternative Prefix Variations Available: 22, 26 & 27, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



64 contacts, rows a + b fully loaded

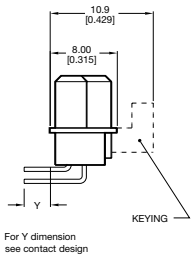
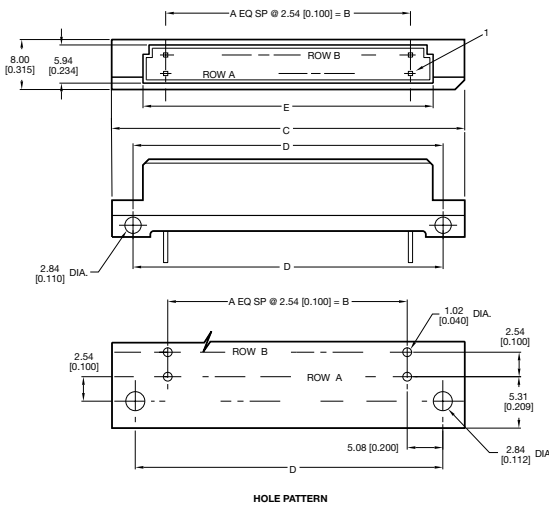


32 contacts, rows a + b even loading



32 contacts row a loading only

DIMENSIONS



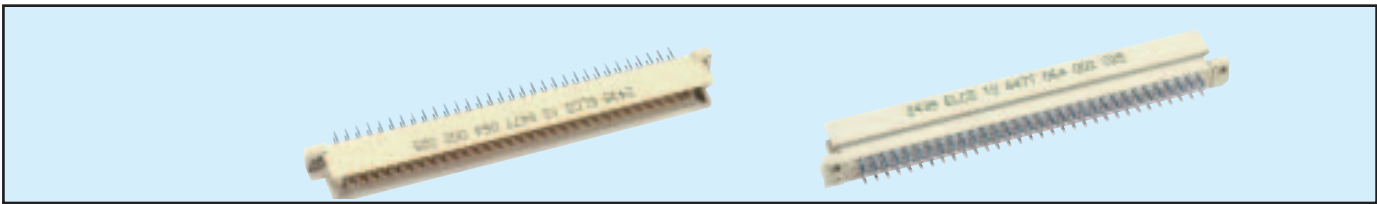
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
64	2 (2 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.91 (3.343)

Male Style Q



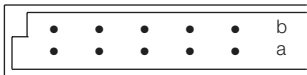
Series 8477 – 2 rows (2 x 32) Inverted



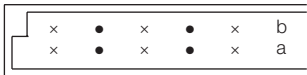
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
2.9 mm (Y) Straight 	64	a + b fully loaded	10 8477 064 001 025	10 8477 064 001 049
	32	a + b even loading	10 8477 064 001 031	10 8477 064 001 055
	32	a loading only	10 8477 064 001 027	10 8477 064 001 051
	62 + 2	fully loaded + ground	10 8477 064 101 025	10 8477 064 101 049
4.5 mm (Y) Straight 	64	a + b fully loaded	10 8477 064 002 025	10 8477 064 002 049
	32	a + b even loading	10 8477 064 002 031	10 8477 064 002 055
	32	a loading only	10 8477 064 002 027	10 8477 064 002 051
	62 + 2	fully loaded + ground	10 8477 064 102 025	10 8477 064 102 049
9.5 mm (Y) Straight 	64	a + b fully loaded	10 8477 064 005 025	10 8477 064 005 049
	32	a + b even loading	10 8477 064 005 031	10 8477 064 005 055
	32	a loading only	10 8477 064 005 027	10 8477 064 005 051
13.0 mm (Y) Straight 	64	a + b fully loaded	10 8477 064 006 025	10 8477 064 006 049
	32	a + b even loading	10 8477 064 006 031	10 8477 064 006 055
	32	a loading only	10 8477 064 006 027	10 8477 064 006 051
14.9 mm (Y) Straight 	64	a + b fully loaded	10 8477 064 007 025	10 8477 064 007 049
	32	a + b even loading	10 8477 064 007 031	10 8477 064 007 055
	32	a loading only	10 8477 064 007 027	10 8477 064 007 051

NB: Alternative Prefix Variations Available: 12, 14, 15, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

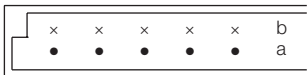
LOADING DESCRIPTION



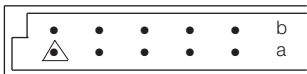
64 contacts, rows a + b fully loaded



32 contacts, rows a + b even loading



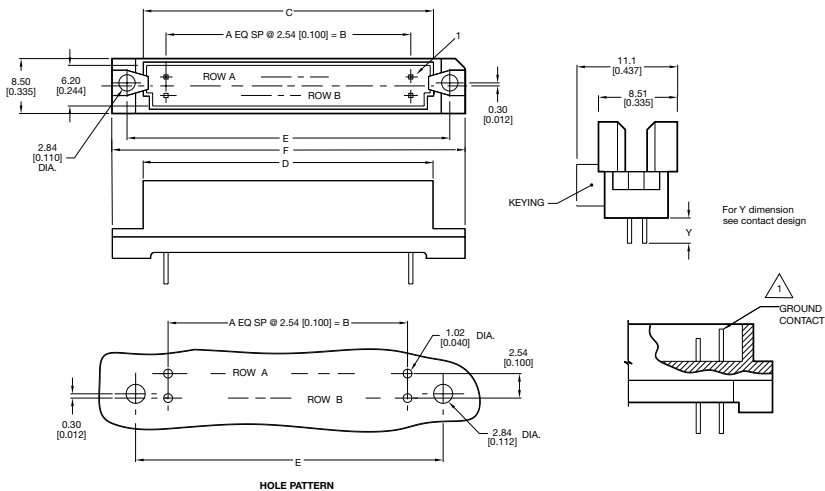
32 contacts, row a loading only



62 + 2 contacts, fully loaded with ground in A1 & A32

△ denotes ground pin

DIMENSIONS

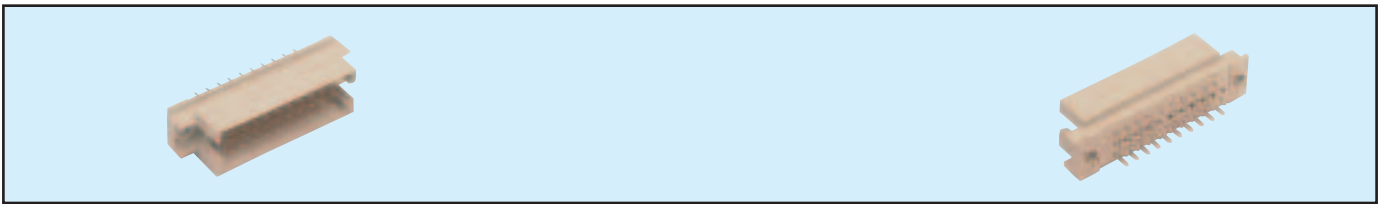


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
64	2 (2 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	90.0 (3.543)	94.89 (3.736)

Male Style 1/3 R

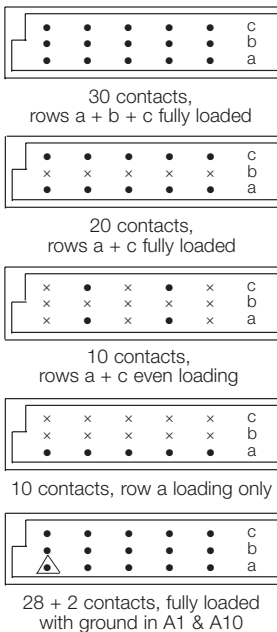
Series 8477 – 3 rows (3 x 10) Inverted



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
2.9 mm (Y) Straight	30	a + b + c fully loaded	10 8477 030 001 025	10 8477 030 001 049
	20	a + c fully loaded	10 8477 030 001 026	10 8477 030 001 050
	10	a + c even loading	10 8477 030 001 033	10 8477 030 001 057
	10	a loading only	10 8477 030 001 027	10 8477 030 001 051
	28 + 2	fully loaded + ground	10 8477 030 101 025	10 8477 030 101 049
4.5 mm (Y) Straight	30	a + b + c fully loaded	10 8477 030 002 025	10 8477 030 002 049
	20	a + c fully loaded	10 8477 030 002 026	10 8477 030 002 050
	10	a + c even loading	10 8477 030 002 033	10 8477 030 002 057
	10	a loading only	10 8477 030 002 027	10 8477 030 002 051
	28 + 2	fully loaded + ground	10 8477 030 102 025	10 8477 030 102 049
9.5 mm (Y) Straight	30	a + b + c fully loaded	10 8477 030 005 025	10 8477 030 005 049
	20	a + c fully loaded	10 8477 030 005 026	10 8477 030 005 050
	10	a + c even loading	10 8477 030 005 033	10 8477 030 005 057
	10	a loading only	10 8477 030 005 027	10 8477 030 005 051
	28 + 2	fully loaded + ground	10 8477 030 106 025	10 8477 030 106 049
13.0 mm (Y) Straight	30	a + b + c fully loaded	10 8477 030 006 025	10 8477 030 006 049
	20	a + c fully loaded	10 8477 030 006 026	10 8477 030 006 050
	10	a + c even loading	10 8477 030 006 033	10 8477 030 006 057
	10	a loading only	10 8477 030 006 027	10 8477 030 006 051
	28 + 2	fully loaded + ground	10 8477 030 106 025	10 8477 030 106 049
14.9 mm (Y) Straight	96	a + b + c fully loaded	10 8477 030 007 025	10 8477 030 007 049
	64	a + c fully loaded	10 8477 030 007 026	10 8477 030 007 050
	32	a + c even loading	10 8477 030 007 033	10 8477 030 007 057
	32	a loading only	10 8477 030 007 027	10 8477 030 007 051
	28 + 2	fully loaded + ground	10 8477 030 107 025	10 8477 030 107 049

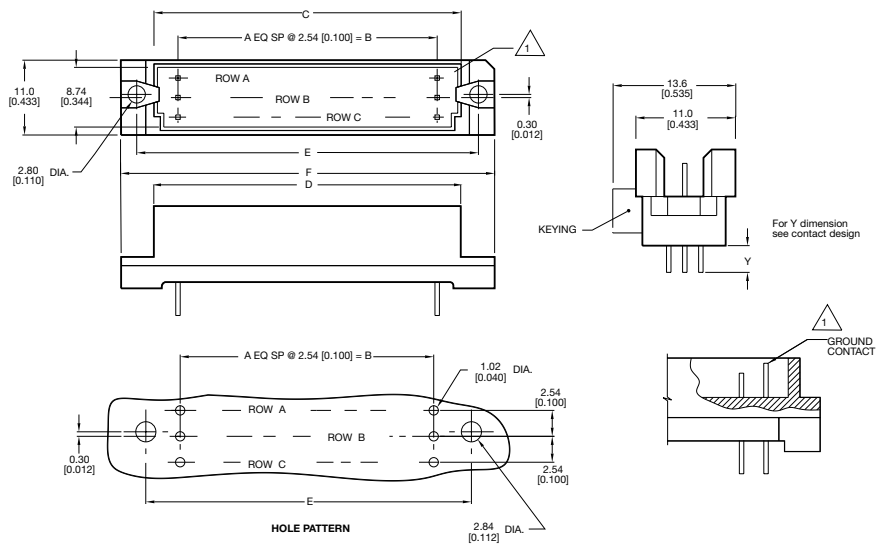
NB: Alternative Prefix Variations Available: 12, 14, 15, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



△ denotes ground pin

DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
30	3 (3 x 10)	9	22.86 (0.900)	29.44 (1.159)	32.12 (1.265)	34.76 (1.368)	39.76 (1.565)

Female Style 1/2 R



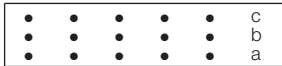
Series 8477 – 3 rows (3 x 16) Inverted



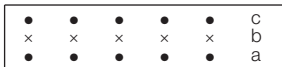
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled	48	a + b + c fully loaded	20 8477 048 006 025	20 8477 048 006 049
	32	a + c fully loaded	20 8477 048 006 026	20 8477 048 006 050
	16	a + c even loading	20 8477 048 006 033	20 8477 048 006 057
	16	a loading only	20 8477 048 006 027	20 8477 048 006 051
0.6 x 0.6 mm Post Profile 11.43 mm (Y) Right Angled	48	a + b + c fully loaded	20 8477 048 008 025	20 8477 048 008 049
	32	a + c fully loaded	20 8477 048 008 026	20 8477 048 008 050
	16	a + c even loading	20 8477 048 008 033	20 8477 048 008 057
	16	a loading only	20 8477 048 008 027	20 8477 048 008 051
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled	48	a + b + c fully loaded	20 8477 048 012 025	20 8477 048 012 049
	32	a + c fully loaded	20 8477 048 012 026	20 8477 048 012 050
	16	a + c even loading	20 8477 048 012 033	20 8477 048 012 057
	16	a loading only	20 8477 048 012 027	20 8477 048 012 051

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



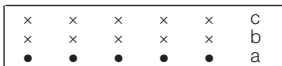
48 contacts, rows a + b + c fully loaded



32 contacts, rows a + c fully loaded

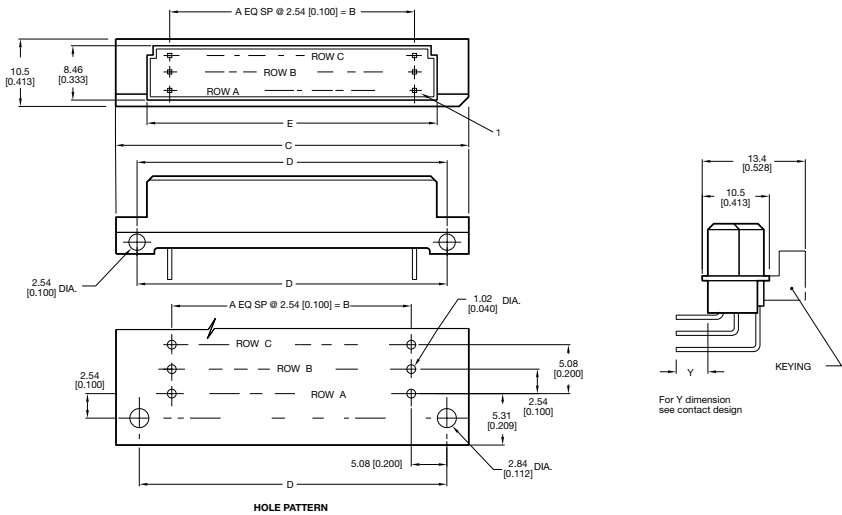


16 contacts, rows a + c even loading



16 contacts, row a loading only

DIMENSIONS

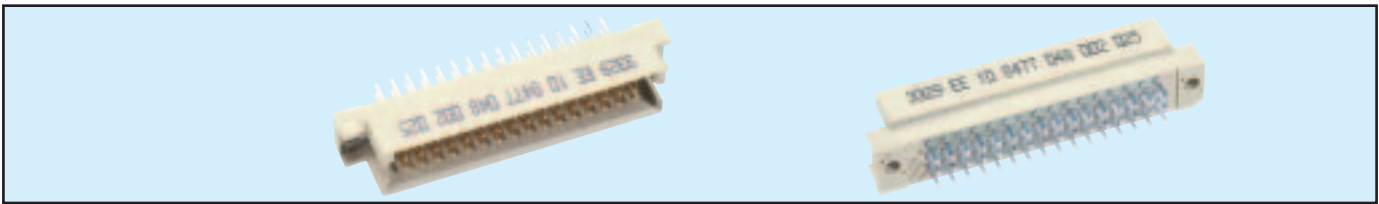


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	15	38.10 (1.500)	53.90 (2.122)	48.26 (1.900)	44.30 (1.744)

Male Style 1/2 R

Series 8477 – 3 rows (3 x 16) Inverted

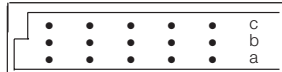


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
2.9 mm (Y) Straight	48	a + b + c fully loaded	10 8477 048 001 025	10 8477 048 001 049
	32	a + c fully loaded	10 8477 048 001 026	10 8477 048 001 050
	16	a + c even loading	10 8477 048 001 033	10 8477 048 001 057
	16	a loading only	10 8477 048 001 027	10 8477 048 001 051
	46 + 2	fully loaded + ground	10 8477 048 101 025	10 8477 048 101 049
4.5 mm (Y) Straight	48	a + b + c fully loaded	10 8477 048 002 025	10 8477 048 002 049
	32	a + c fully loaded	10 8477 048 002 026	10 8477 048 002 050
	16	a + c even loading	10 8477 048 002 033	10 8477 048 002 057
	16	a loading only	10 8477 048 002 027	10 8477 048 002 051
	46 + 2	fully loaded + ground	10 8477 048 102 025	10 8477 048 102 049
9.5 mm (Y) Straight	48	a + b + c fully loaded	10 8477 048 005 025	10 8477 048 005 049
	32	a + c fully loaded	10 8477 048 005 026	10 8477 048 005 050
	16	a + c even loading	10 8477 048 005 033	10 8477 048 005 057
	16	a loading only	10 8477 048 005 027	10 8477 048 005 051
	46 + 2	fully loaded + ground	10 8477 048 106 025	10 8477 048 106 049
13.0 mm (Y) Straight	48	a + b + c fully loaded	10 8477 048 006 025	10 8477 048 006 049
	32	a + c fully loaded	10 8477 048 006 026	10 8477 048 006 050
	16	a + c even loading	10 8477 048 006 033	10 8477 048 006 057
	16	a loading only	10 8477 048 006 027	10 8477 048 006 051
	46 + 2	fully loaded + ground	10 8477 048 106 025	10 8477 048 106 049
14.9 mm (Y) Straight	48	a + b + c fully loaded	10 8477 048 007 025	10 8477 048 007 049
	32	a + c fully loaded	10 8477 048 007 026	10 8477 048 007 050
	16	a + c even loading	10 8477 048 007 033	10 8477 048 007 057
	16	a loading only	10 8477 048 007 027	10 8477 048 007 051
	46 + 2	fully loaded + ground	10 8477 048 107 025	10 8477 048 107 049

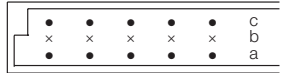
NB: Alternative Prefix Variations Available: 12, 14, 15, 16 & 17, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

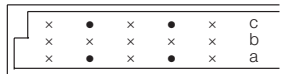
LOADING DESCRIPTION



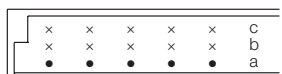
48 contacts,
rows a + b + c fully loaded



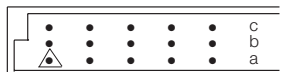
32 contacts,
rows a + c fully loaded



16 contacts,
rows a + c even loading

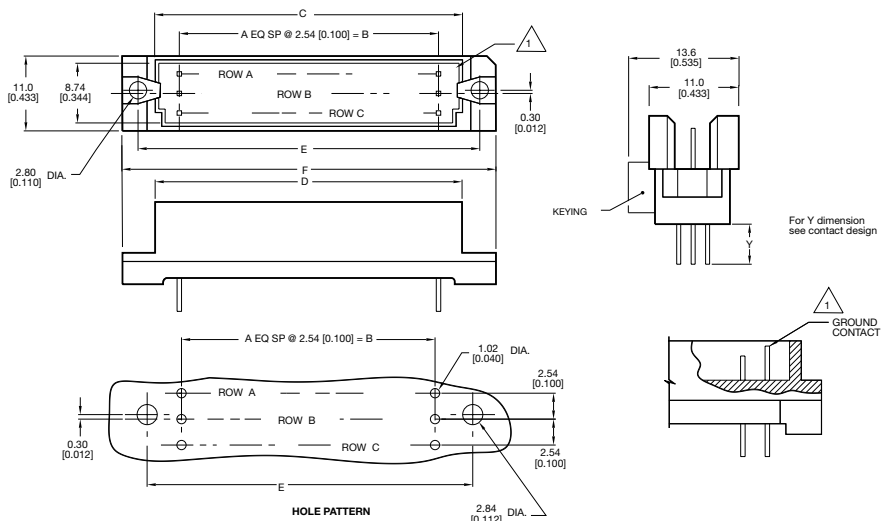


16 contacts, row a loading only



46 + 2 contacts, fully loaded
with ground in A1 & A16

DIMENSIONS



Unit: millimeters (inches)

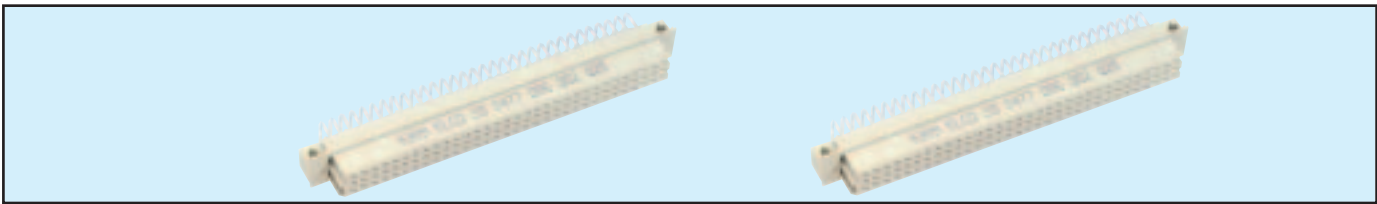
No. Contact Positions	Contact Rows	A	B	C	D	E	F
48	3 (3 x 16)	15	38.10 (1.500)	44.70 (1.760)	47.29 (1.862)	49.99 (1.968)	54.91 (2.162)

△ denotes ground pin

Female Style R



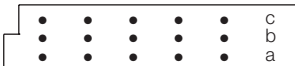
Series 8477 – 3 rows (3 x 32) Inverted



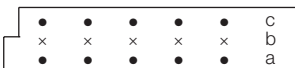
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
3.0 mm (Y) 0.6 x 0.6 mm Right Angled	96	a + b + c fully loaded	20 8477 096 002 025	20 8477 096 002 049
	64	a + c fully loaded	20 8477 096 002 026	20 8477 096 002 050
	32	a + c even loading	20 8477 096 002 033	20 8477 096 002 057
	32	a loading only	20 8477 096 002 027	20 8477 096 002 051
3.0 mm (Y) 0.3 x 0.79 mm Right Angled	96	a + b + c fully loaded	20 8477 096 006 025	20 8477 096 006 049
	64	a + c fully loaded	20 8477 096 006 026	20 8477 096 006 050
	32	a + c even loading	20 8477 096 006 033	20 8477 096 006 057
	32	a loading only	20 8477 096 006 027	20 8477 096 006 051
0.6 x 0.6 mm 11.43 mm (Y) Right Angled	96	a + b + c fully loaded	20 8477 096 008 025	20 8477 096 008 049
	64	a + c fully loaded	20 8477 096 008 026	20 8477 096 008 050
	32	a + c even loading	20 8477 096 008 033	20 8477 096 008 057
	32	a loading only	20 8477 096 008 027	20 8477 096 008 051
0.6 x 0.6 mm 4.5 mm (Y) Right Angled	96	a + b + c fully loaded	20 8477 096 012 025	20 8477 096 012 049
	64	a + c fully loaded	20 8477 096 012 026	20 8477 096 012 050
	32	a + c even loading	20 8477 096 012 033	20 8477 096 012 057
	32	a loading only	20 8477 096 012 027	20 8477 096 012 051

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



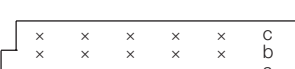
96 contacts, rows a + b + c fully loaded



64 contacts, rows a + c fully loaded

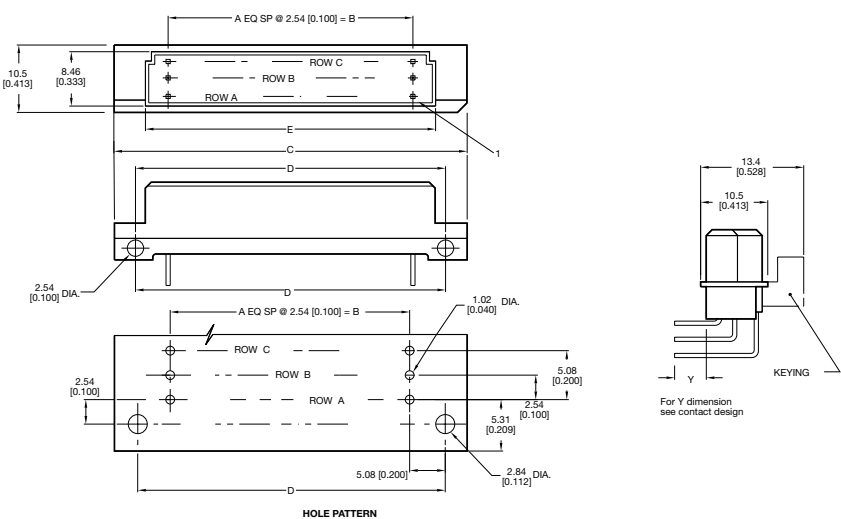


32 contacts, rows a + c even loading



32 contacts, row a loading only

DIMENSIONS

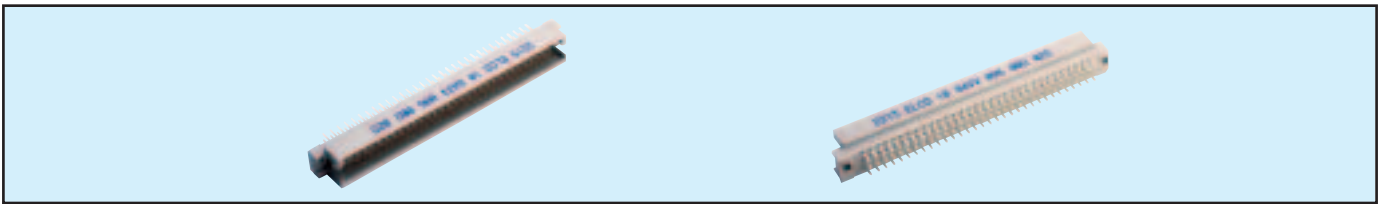


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
96	3 (3 x 32)	31	78.74 (3.100)	93.90 (3.367)	88.90 (3.500)	84.91 (3.343)

Male Style R

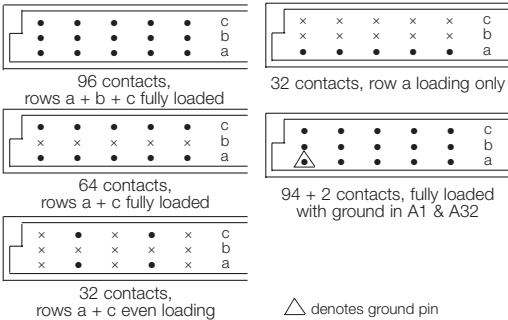
Series 8477 – 3 rows (3 x 32) Inverted



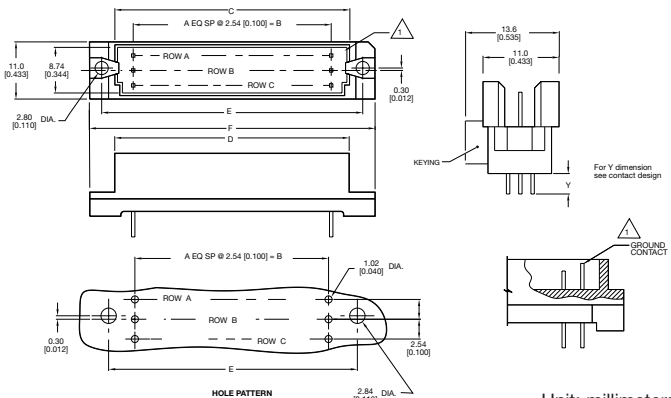
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
2.9 mm (Y) Straight	96	a + b + c fully loaded	10 8477 096 001 025	10 8477 096 001 049
	64	a + c fully loaded	10 8477 096 001 026	10 8477 096 001 050
	32	a + c even loading	10 8477 096 001 033	10 8477 096 001 057
	32	a loading only	10 8477 096 001 027	10 8477 096 001 051
	94 + 2	fully loaded + ground	10 8477 096 101 025	10 8477 096 101 049
4.5 mm (Y) Straight	96	a + b + c fully loaded	10 8477 096 002 025	10 8477 096 002 049
	64	a + c fully loaded	10 8477 096 002 026	10 8477 096 002 050
	32	a + c even loading	10 8477 096 002 033	10 8477 096 002 057
	32	a loading only	10 8477 096 002 027	10 8477 096 002 051
	94 + 2	fully loaded + ground	10 8477 096 102 025	10 8477 096 102 049
9.5 mm (Y) Straight	96	a + b + c fully loaded	10 8477 096 005 025	10 8477 096 005 049
	64	a + c fully loaded	10 8477 096 005 026	10 8477 096 005 050
	32	a + c even loading	10 8477 096 005 033	10 8477 096 005 057
	32	a loading only	10 8477 096 005 027	10 8477 096 005 051
	94 + 2	fully loaded + ground	10 8477 096 106 025	10 8477 096 106 049
13.0 mm (Y) Straight	96	a + b + c fully loaded	10 8477 096 006 025	10 8477 096 006 049
	64	a + c fully loaded	10 8477 096 006 026	10 8477 096 006 050
	32	a + c even loading	10 8477 096 006 033	10 8477 096 006 057
	32	a loading only	10 8477 096 006 027	10 8477 096 006 051
	94 + 2	fully loaded + ground	10 8477 096 106 025	10 8477 096 106 049
14.9 mm (Y) Straight	96	a + b + c fully loaded	10 8477 096 007 025	10 8477 096 007 049
	64	a + c fully loaded	10 8477 096 007 026	10 8477 096 007 050
	32	a + c even loading	10 8477 096 007 033	10 8477 096 007 057
	32	a loading only	10 8477 096 007 027	10 8477 096 007 051
	94 + 2	fully loaded + ground	10 8477 096 107 025	10 8477 096 107 049
8.8, 11.5, 8.8 mm (Y) Solder Hole	96	a + b + c fully loaded	10 8477 096 009 025	10 8477 096 009 049
	64	a + c fully loaded	10 8477 096 009 026	10 8477 096 009 050
	32	a + c even loading	10 8477 096 009 033	10 8477 096 009 057
	32	a loading only	10 8477 096 009 027	10 8477 096 009 051
	94 + 2	fully loaded + ground	10 8477 096 109 025	10 8477 096 109 049
7.5, 10.2, 7.5 mm (Y) Solder Loop	96	a + b + c fully loaded	10 8477 096 010 025	10 8477 096 010 049
	64	a + c fully loaded	10 8477 096 010 026	10 8477 096 010 050
	32	a + c even loading	10 8477 096 010 033	10 8477 096 010 057
	32	a loading only	10 8477 096 010 027	10 8477 096 010 051
	94 + 2	fully loaded + ground	10 8477 096 110 025	10 8477 096 110 049

NB: Alternative Prefix Variations Available: 12, 14, 15, 16 & 17, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



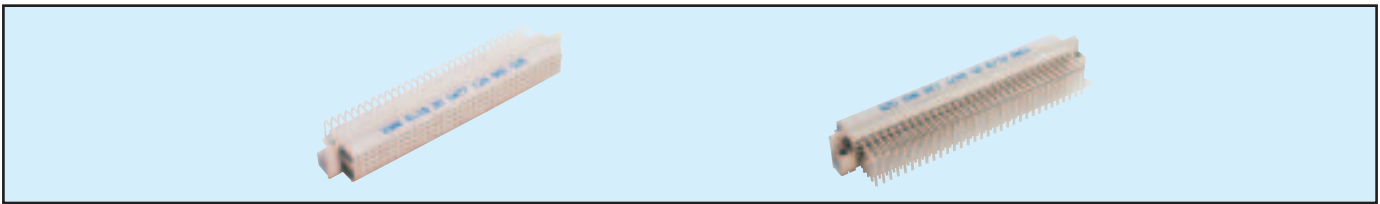
DIMENSIONS



No. Contact Positions	Contact Rows	A	B	C	D	E	F
96	3 (3 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	89.99 (3.543)	94.89 (3.736)

Female Style R Expanded

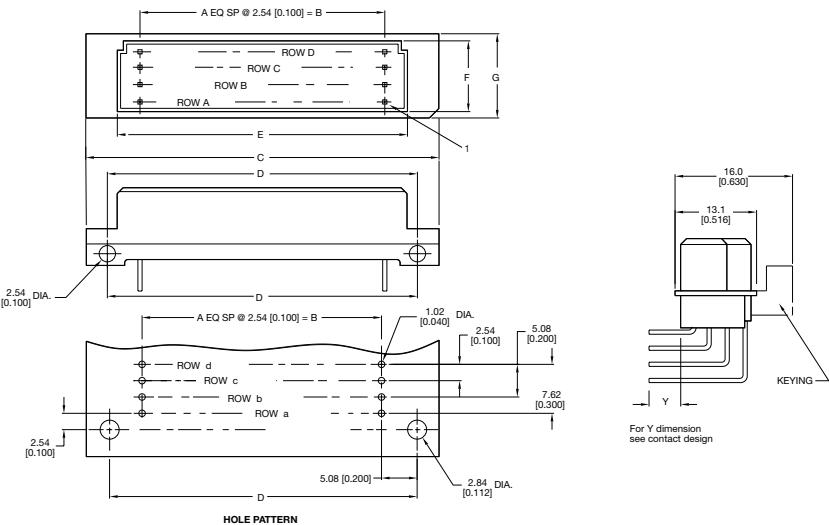
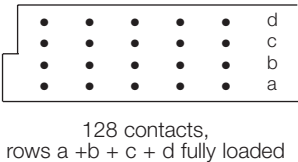
Series 8477 – 4 rows (4 x 32) Inverted



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	128	a + b + c + d fully loaded	20 8477 128 002 025	20 8477 128 002 049
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled 	128	a + b + c + d fully loaded	20 8477 128 006 025	20 8477 128 006 049
0.6 x 0.6 mm Post Profile 11.43 mm (Y) Right Angled 	128	a + b + c + d fully loaded	20 8477 128 008 025	20 8477 128 008 049
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled 	128	a + b + c + d fully loaded	20 8477 128 012 025	20 8477 128 012 049

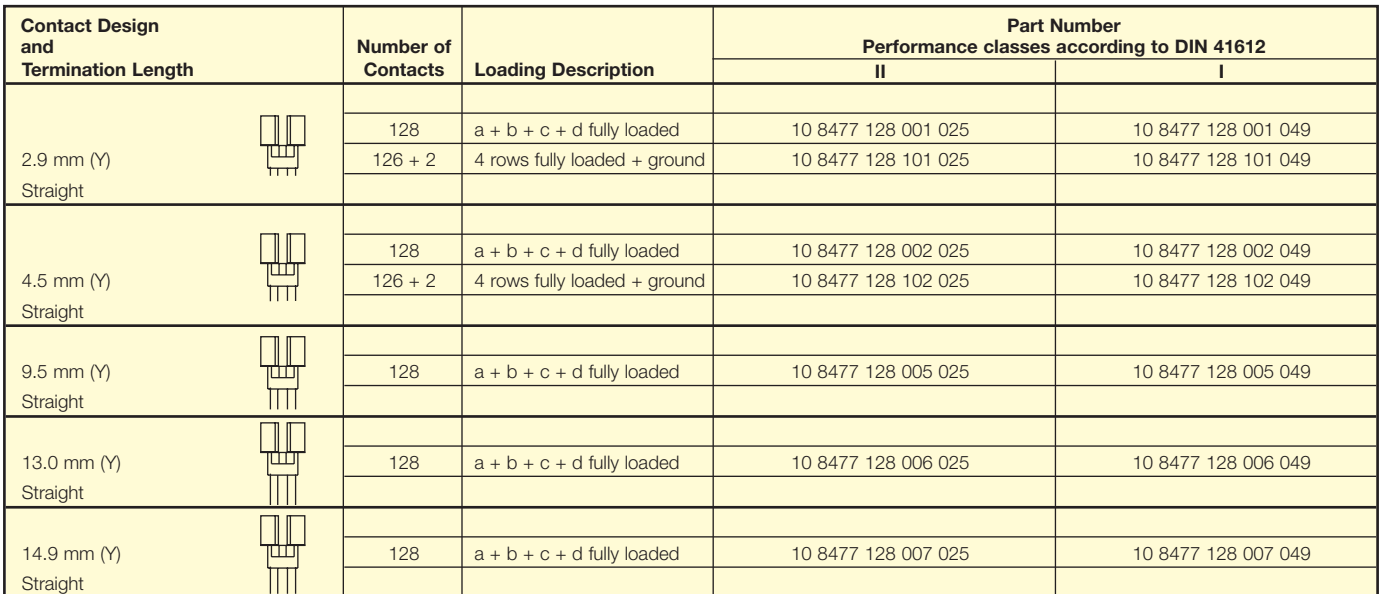
NB: Alternative Prefix Variations Available: 22, 26 & 27, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
128	4 (4 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.90 (3.343)	11.10 (0.437)	13.10 (0.516)



Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

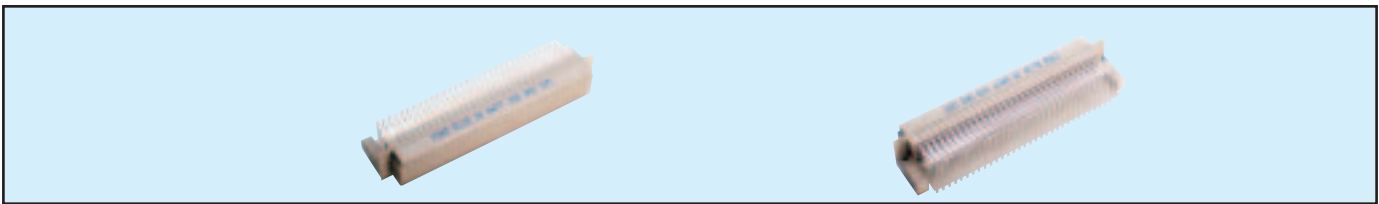
Diagram of a 5x5 dot grid. The dots are arranged in 5 rows and 5 columns. The columns are labeled on the right as 'd', 'c', 'b', 'a', and an unlabeled column. The bottom-left dot is replaced by a ground symbol (a triangle inside a circle). Below the grid, the text reads: "126 + 2 contacts, fully loaded with ground in A1 & A32".

Figure 1: Dimensions of the 16-pin connector. The figure includes three views: a top view, a side view, and a detail view of the hole pattern. The top view shows a rectangular connector with four rows of pins (ROW A, ROW B, ROW C, ROW D) and dimensions for overall width (13.6 [0.535]), pin pitch (11.2 [0.444]), and pin diameter (2.80 [0.110]). The side view shows the connector's height (16.5 [0.650]) and pin height (13.6 [0.535]). The detail view shows the hole pattern with dimensions for hole diameter (2.84 [0.112]), hole pitch (2.54 [0.100]), and hole offset (1.02 [0.040]).

No. Contact Positions	Contact Rows	A	B	C	D	E	F
128	4 (4 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	89.99 (3.543)	94.89 (3.736)

Female Style R Expanded

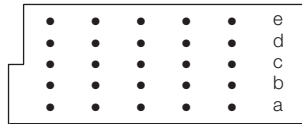
Series 8477 – 5 rows (5 x 32) Inverted



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	160	a + b + c + d + e fully loaded	20 8477 160 002 025	20 8477 160 002 049
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled 	160	a + b + c + d + e fully loaded	20 8477 160 012 025	20 8477 160 012 049

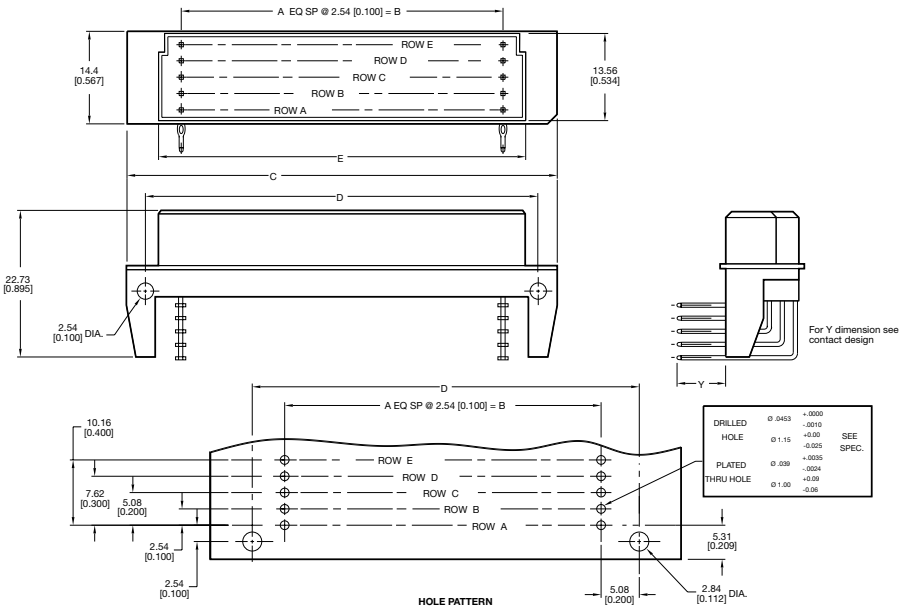
NB: Alternative Prefix Variations Available: 22, 26 & 27, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



160 contacts,
 rows a + b + c + d + e fully loaded

DIMENSIONS

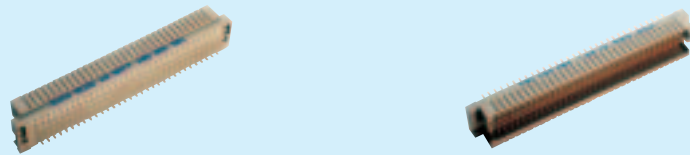


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
160	5 (5 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.90 (3.343)	11.10 (0.437)	13.10 (0.516)

Male Style R Expanded

Series 8477 – 5 rows (5 x 32) Inverted

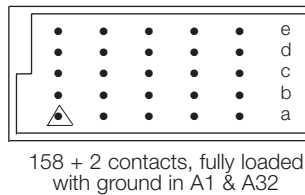
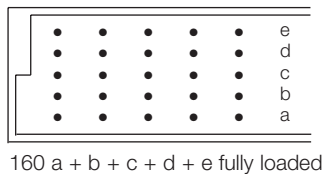


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
2.9 mm (Y) Straight 	160	a + b + c + d + e fully loaded	10 8477 160 001 025	10 8477 160 001 049
	158 + 2	5 rows fully loaded + ground	10 8477 160 101 025	10 8477 160 101 049
4.5 mm (Y) Straight 	160	a + b + c + d + e fully loaded	10 8477 160 002 025	10 8477 160 002 049
	158 + 2	5 rows fully loaded + ground	10 8477 160 102 025	10 8477 160 102 049
9.5 mm (Y) Straight 	160	a + b + c + d + e fully loaded	10 8477 160 005 025	10 8477 160 005 049
13.0 mm (Y) Straight 	160	a + b + c + d + e fully loaded	10 8477 160 006 025	10 8477 160 006 049
	158 + 2	5 rows fully loaded + ground	10 8477 160 106 025	10 8477 160 106 049
14.5 mm (Y) Straight 	160	a + b + c + d + e fully loaded	10 8477 160 007 025	10 8477 160 007 049

NB: Alternative Prefix Variations Available: 12, 14, 15, 16 & 17, please refer to Page 10.

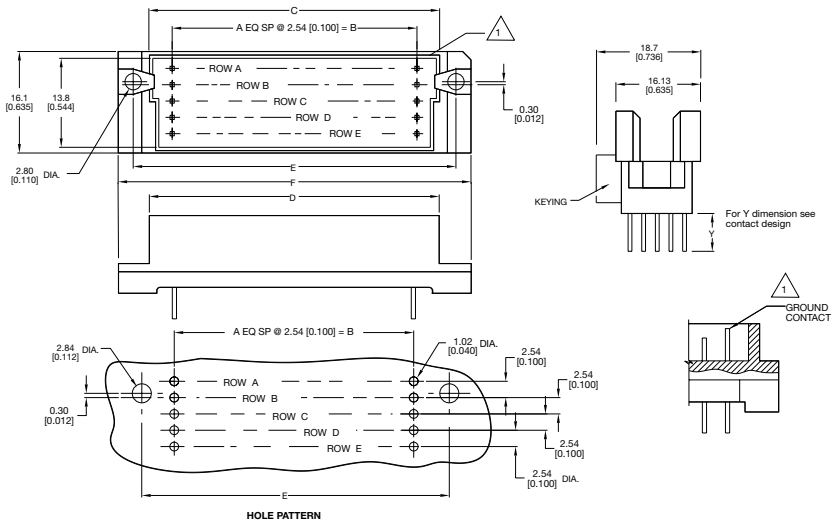
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



△ denotes ground pin

DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
160	5 (5 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	89.99 (3.543)	94.89 (3.736)

Female Style R Expanded

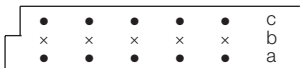
Series 8477 – 3 rows (3 x 50)



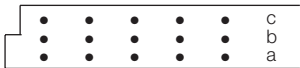
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 11.43 mm (Y) Right Angled 	100	a + c even loading	20 8477 150 008 025	20 8477 150 008 050
	150	a + b + c fully loaded	20 8477 150 008 026	20 8477 150 008 049
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	150	a + b + c fully loaded	20 8477 150 002 025	20 8477 150 002 049
	100	a + c even loading	20 8477 150 002 026	20 8477 150 002 050
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled 	150	a + b + c fully loaded	20 8477 150 006 025	20 8477 150 006 049
	100	a + c even loading	20 8477 150 006 026	20 8477 150 006 050
0.6 x 0.6 mm Post Profile 11.43 mm (Y) Right Angled 	150	a + b + c fully loaded	20 8477 150 008 025	20 8477 150 008 049
	100	a + c even loading	20 8477 150 008 026	20 8477 150 008 050
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Right Angled 	150	a + b + c fully loaded	20 8477 150 012 025	20 8477 150 012 049
	100	a + c even loading	20 8477 150 012 026	20 8477 150 012 050

NB: Alternative Prefix Variations Available: 22, 26 & 27, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION

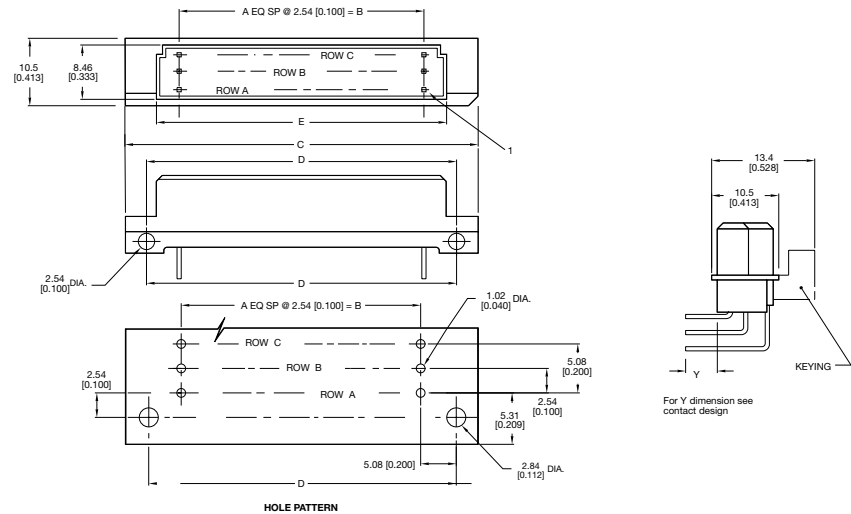


100 contacts, rows a + c fully loaded



150 contacts, rows a + b + c fully loaded

DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
150	3 (3 x 50)	49	125.50 (4.940)	139.60 (5.496)	134.62 (5.300)	130.61 (5.142)

THE NEW VARIPIN™

Varipin™ the flexible press-fit contact used by AVX since the mid 1970s has after intensive research been heavily modified in recent years. This research concentrated upon the contact zone and in particular the mechanical aspects that guarantee an equal force on the complete contact length and to prevent 'eye of the needle' cracking, or the contact itself damaging the PCB.

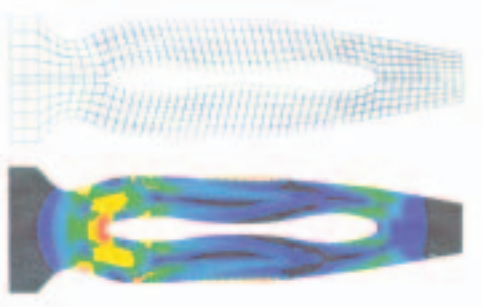
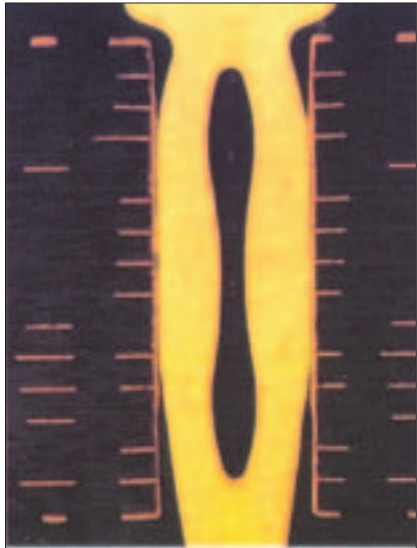
The new configuration was determined by a numeric solution algorithm for elastic and elastoplastic problems within structural mechanisms.

The objective was the numerical simulation of the press-in process of the VARIPIN with the aim of optimizing its form and appearance.

VARIPIN™ SPECIFICATION

As a result an optimized style of the VARIPIN™ according to the required features of the DIN 41611 (DIN IEC 48 (Sec.) 334) and the PCB specification is now available with the following advantages:

- 100% flexible press-fit shank
- exchange of contacts up to 3 times
- applicable for pc board thickness $\geq 1.6\text{mm}$
- vibration and corrosion safe connection
- optional plating materials
- low transition resistance



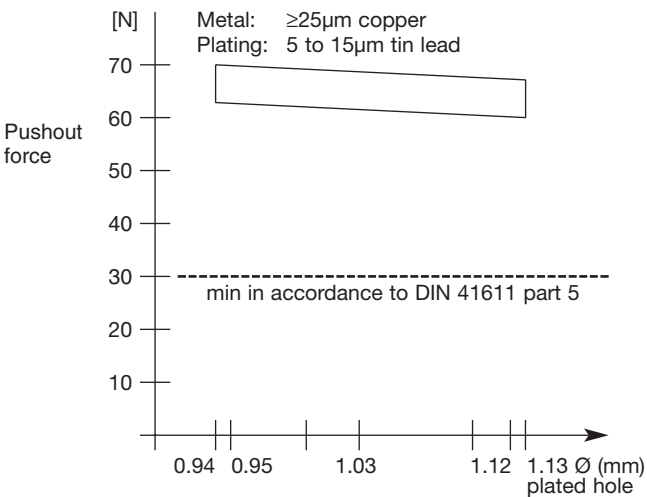
HOLE SPECIFICATION

Drilled hole	1.15 mm
Met. hole	0.94 mm to 1.09 mm
Copper plating	25 to 55 micron
Tin plating	5 to 15 micron (max 40 micron available if finished hole is 0.94 mm)
Board thickness	1.6 to 3.2 mm or greater

INSERTION FORCES

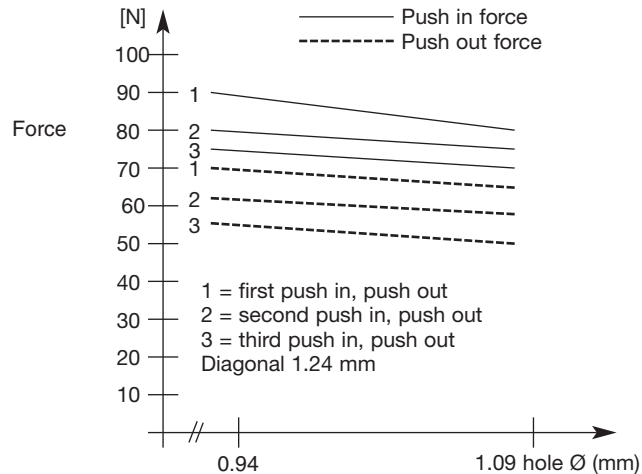
During the optimization of the press-in area a special core was created for compliance with the maximum press-in (250N) and minimum push-out (30N) forces specified in DIN 41611.

In the diagram to the right the behavior of the press-in- and push-out forces in relation to the diameter of the hole as well as the diagonal of the press-in pin (1.24 mm) are shown.



INSERTION FORCE AFTER THE THIRD EXCHANGE OF A CONTACT

Due to the very low strain on the PCB hole an exchange of pins in one hole is possible up to 3 times without a significant loss of retaining force. Using the repair set contacts can be exchanged at any position within a press-in connection. This repair can be done within a very short time (eg. 5 min.) even in the “field”. Special repair insertions are available that allow exchanges to be made by hand.



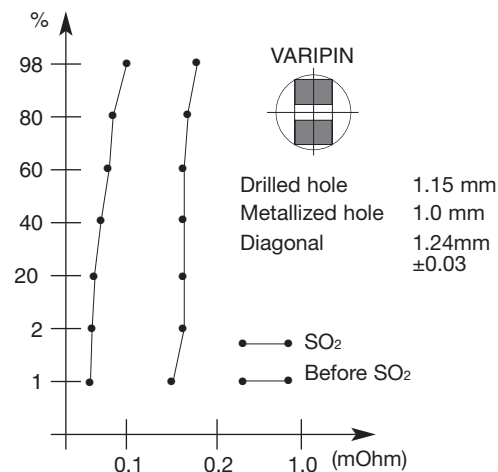
TRANSITION RESISTANCE

A significant advantage of the high push-out force and the large contact area (contact length min 1.4 mm or 2 mm for a 3.2 mm PCB) is the very low transition resistance ($\leq 0.2 \text{ m}\Omega$) as well as the vibration and corrosion free connection.

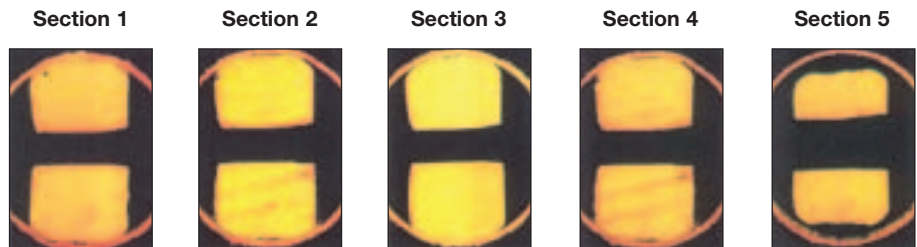
Given that the transition resistance between male and female connectors in accordance with DIN 41611 can be up to $20 \text{ m}\Omega$, the transition resistance of the press-in connection can be virtually neglected.

AVX can guarantee a secure connection within a frequency range of 10 - 2000 Hz at 20 G in accordance with IEC 48 (sec) 334.

Transition Resistance before and after SO₂ Test



In the right hand picture we show the contact length of the VARIPIN into an 3.2 mm PC board. These show a large connection surface from section 1 to section 4 which corresponds to a contact length of more than 2 mm.



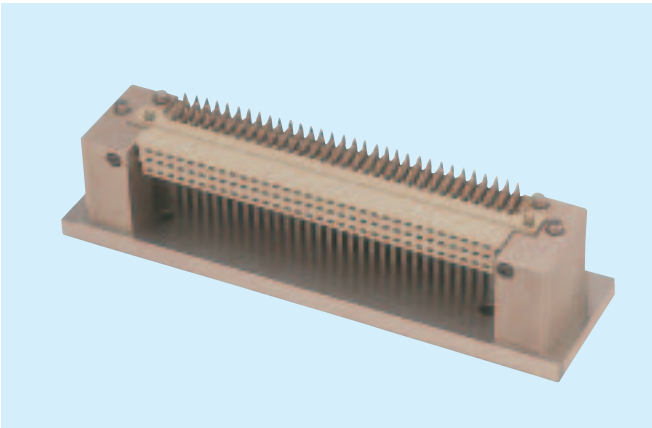
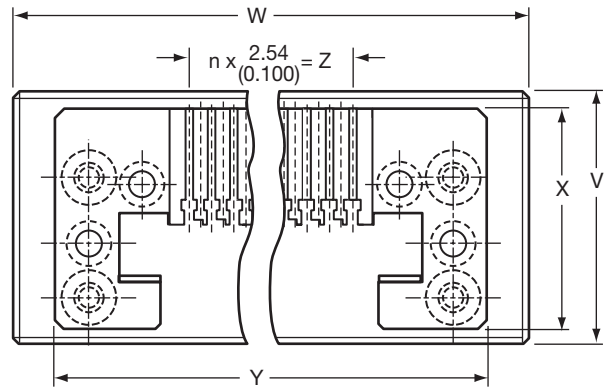
PRESS-FIT INSTALLATION METHODS

Right angle headers and receptacle connectors require a press-in tool (see page 67).

Vertical headers and receptacles do not require a special tool. They are installed using the “Flat Rock” method. Flat Rock

termination involves the use of a flat metal plate, slightly larger than the length and width of the connector. Installed in a press, the plate pushes down on the connector in a uniform manner until the connector is properly seated.

FEMALE: RIGHT ANGLED



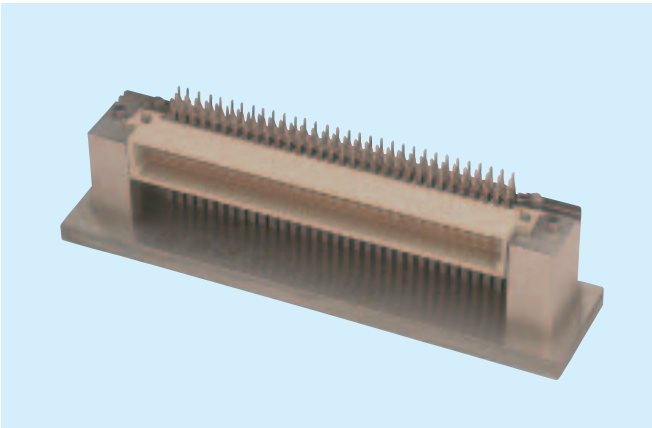
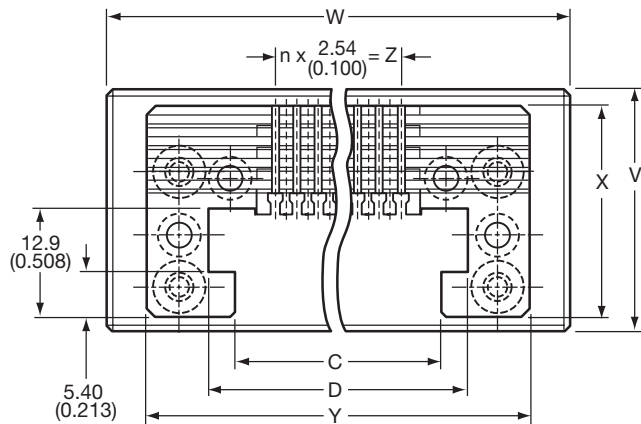
With connector inserted

Dimensions (mm)

Style	No. of Positions	Part Number
1/2 Q	32 (2 x 16)	06 8478 8421 00 000
1/2 R	48 (3 x 16)	06 8478 8431 00 000
Q	64 (2 x 32)	06 8478 8461 00 000
R	96 (3 x 32)	06 8478 8471 00 000
Expanded R	128 (4 x 32)	06 8478 8481 00 000
Expanded R	150 (3 x 50)	06 8478 8401 00 000
Expanded R	160 (5 x 32)	06 8478 8491 00 000

V	W	X	Y	Z	n
28.0	80.0	20.0	70.0	38.10	15
28.0	80.0	20.0	70.0	38.10	15
28.0	119.0	23.60	109.0	78.74	31
28.0	119.0	23.60	109.0	78.74	31
28.0	119.0	21.50	109.0	78.74	31
28.0	119.0	24.40	109.0	78.74	31
28.0	164.7	23.60	154.7	124.46	49

MALE: RIGHT ANGLED



With connector inserted

Dimensions (mm)

Style	No. of Positions	Part Number
1/2 B	32 (2 x 16)	06 8458 9221 00 000
1/2 C	48 (3 x 16)	06 8458 9231 00 000
1/3 C	30 (3 x 10)	06 8458 9241 00 000
B	64 (2 x 32)	06 8458 9261 00 000
C	96 (3 x 32)	06 8458 9271 00 000
Expanded C	128 (4 x 32)	06 8458 9281 00 000
Expanded C	160 (5 x 32)	06 8458 9291 00 000

C	D	V	W	X	Y	Z	n
47.56	53.66	28.0	80.0	19.44	70.0	38.10	15
47.56	54.16	28.0	80.0	19.44	70.0	38.10	15
32.50	38.50	28.0	64.0	19.44	54.0	22.86	9
88.20	94.30	28.0	119.0	19.44	109.0	78.74	31
88.20	94.30	28.0	119.0	19.44	109.0	78.74	31
88.20	94.30	28.0	119.0	21.98	109.0	78.74	31
88.20	94.30	28.0	119.0	24.52	109.0	78.74	31

Male Style 1/2 B Press-Fit



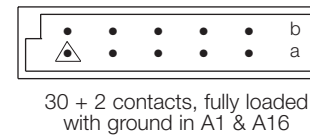
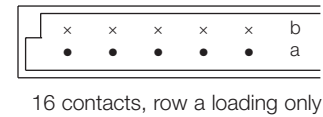
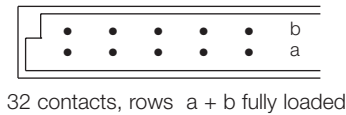
Series 8458 – 2 rows (2 x 16)



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 5.3 mm (Y) Right Angled	32	a + b fully loaded	10 8458 032 001 025	10 8458 032 001 049
	16	a loading only	10 8458 032 001 027	10 8458 032 001 051
	30 + 2	fully loaded + ground	10 8458 032 101 025	10 8458 032 101 049
for 1.6 mm PCB's 3.0 mm (Y) Right Angled	32	a + b fully loaded	10 8458 032 031 025	10 8458 032 031 049
	16	a loading only	10 8458 032 031 027	10 8458 032 031 051
	30 + 2	fully loaded + ground	10 8458 032 131 025	10 8458 032 131 049

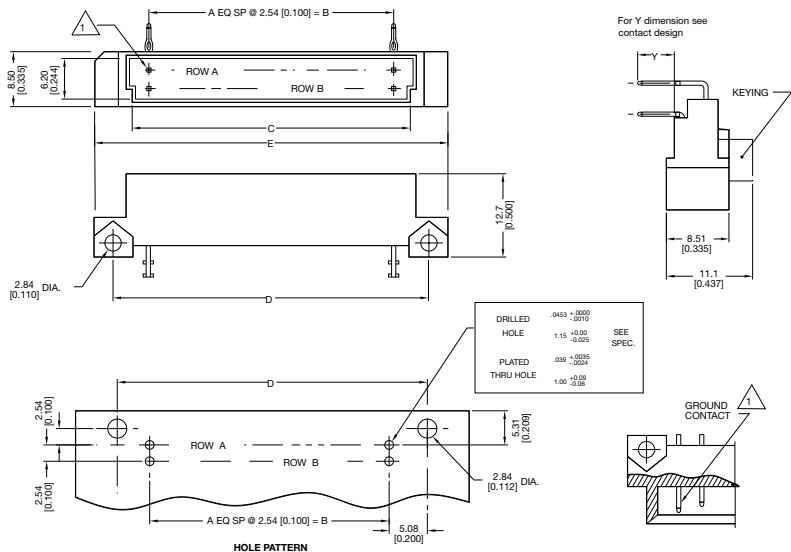
NB: Alternative Prefix Variations Available: 12, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



△ denotes ground pin

DIMENSIONS



Assembly Tool: 06 8458 9221 00 000 (see page 67)

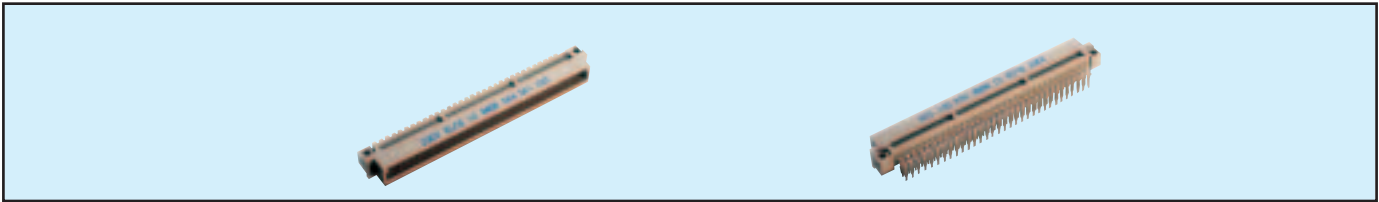
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
32	2 (2 x 16)	15	38.10 (1.500)	44.55 (1.754)	48.26 (1.900)	53.34 (2.100)

Male Style B Press-Fit



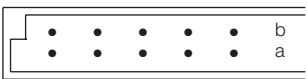
Series 8458 – 2 rows (2 x 32)



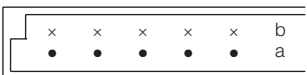
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
for ≥ 2.4 mm PCB's 5.3 mm (Y) Right Angled			II	I
			10 8458 064 001 025	10 8458 064 001 049
			10 8458 064 001 027	10 8458 064 001 051
for 1.6 mm PCB's 3.0 mm (Y) Right Angled			10 8458 064 101 025	10 8458 064 101 049
			10 8458 064 031 025	10 8458 064 031 049
			10 8458 064 031 027	10 8458 064 031 051
			10 8458 064 131 025	10 8458 064 131 049

NB: Alternative Prefix Variations Available: 12, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

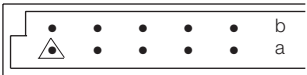
LOADING DESCRIPTION



64 contacts, rows a + b fully loaded



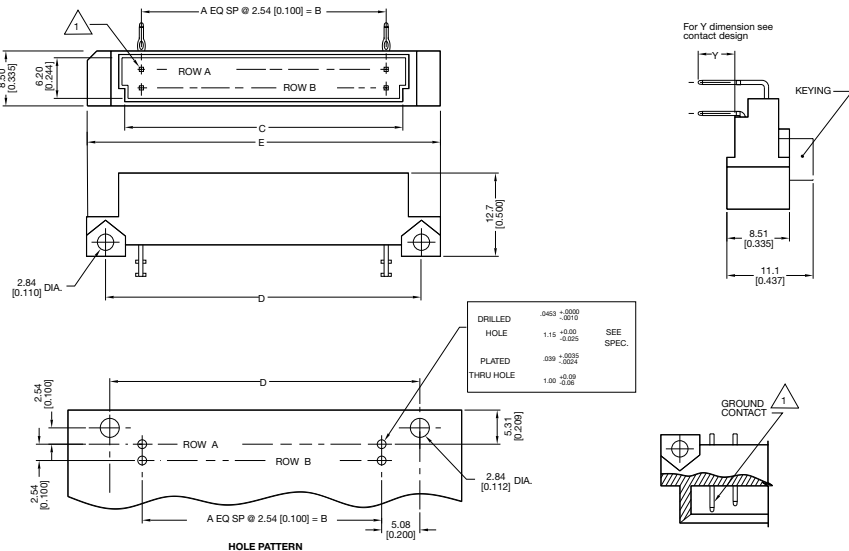
32 contacts, row a loading only



62 + 2 contacts, fully loaded with ground in A1 & A32

△ denotes ground pin

DIMENSIONS



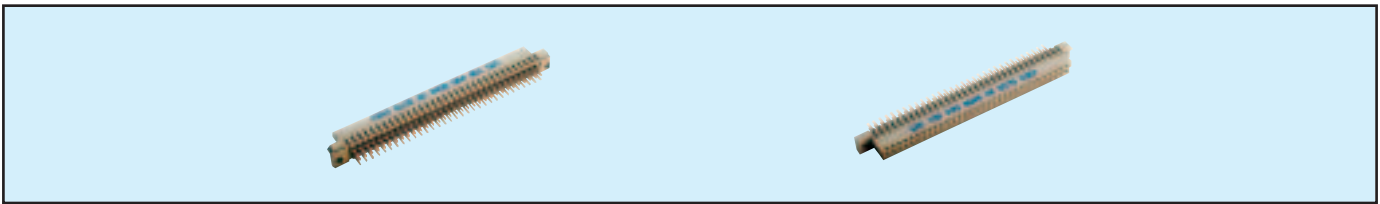
Assembly Tool: 06 8458 9261 00 000 (see page 67)

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
64	2 (2 x 32)	31	78.74 (3.100)	85.19 (3.354)	88.90 (3.500)	93.98 (3.700)

Female Style B Press-Fit

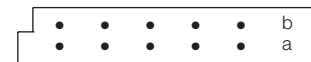
Series 8458 – 2 rows (2 x 32)



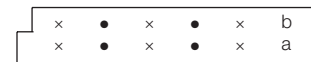
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	64	a + b fully loaded	20 8458 064 001 025	20 8458 064 001 049
	32	a + b even loading	20 8458 064 001 007	20 8458 064 001 055
	32	a loading only	20 8458 064 001 027	20 8458 064 001 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	64	a + b fully loaded	20 8458 064 002 025	20 8458 064 002 049
	32	a + b even loading	20 8458 064 002 007	20 8458 064 002 055
	32	a loading only	20 8458 064 002 027	20 8458 064 002 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	64	a + b fully loaded	20 8458 064 003 025	20 8458 064 003 049
	32	a + b even loading	20 8458 064 003 007	20 8458 064 003 055
	32	a loading only	20 8458 064 003 027	20 8458 064 003 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	64	a + b fully loaded	20 8458 064 004 025	20 8458 064 004 049
	32	a + b even loading	20 8458 064 004 007	20 8458 064 004 055
	32	a loading only	20 8458 064 004 027	20 8458 064 004 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	64	a + b fully loaded	20 8458 064 005 025	20 8458 064 005 049
	32	a + b even loading	20 8458 064 005 007	20 8458 064 005 055
	32	a loading only	20 8458 064 005 027	20 8458 064 005 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 12.0 mm (Y) Straight	64	a + b fully loaded	20 8458 064 009 025	20 8458 064 009 049
	32	a + b even loading	20 8458 064 009 007	20 8458 064 009 055
	32	a loading only	20 8458 064 009 027	20 8458 064 009 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.3 mm (Y) Straight	64	a + b fully loaded	20 8458 064 010 025	20 8458 064 010 049
	32	a + b even loading	20 8458 064 010 007	20 8458 064 010 055
	32	a loading only	20 8458 064 010 027	20 8458 064 010 051
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 17.0 mm Straight	64	a + b fully loaded	20 8458 064 012 025	20 8458 064 012 049
	32	a + b even loading	20 8458 064 012 007	20 8458 064 012 055
	32	a loading only	20 8458 064 012 027	20 8458 064 012 051
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight	64	a + b fully loaded	20 8458 064 031 025	20 8458 064 031 049
	32	a + b even loading	20 8458 064 031 007	20 8458 064 031 055
	32	a loading only	20 8458 064 031 027	20 8458 064 031 051

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.
Installed using Flat Rock method (see page 66)

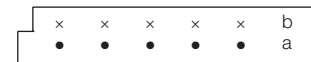
LOADING DESCRIPTION



64 contacts, rows a + b fully loaded

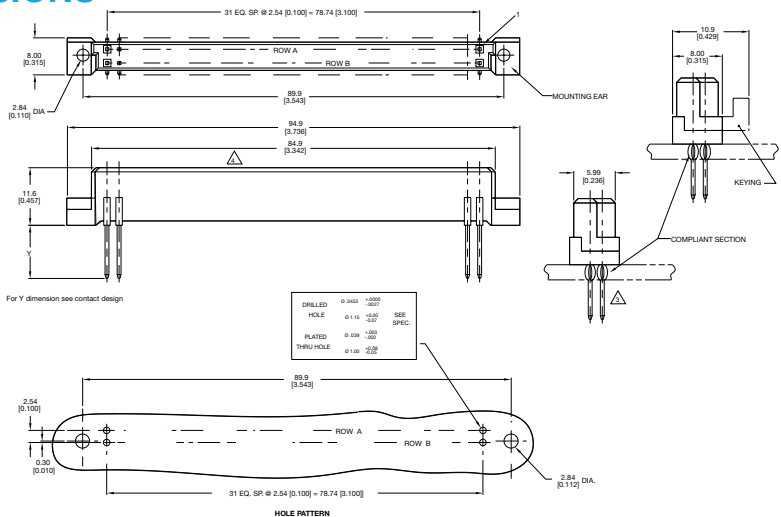


32 contacts, rows a + b even loading



32 contacts, row a loading only

DIMENSIONS



Male Style 1/3 C Press-Fit



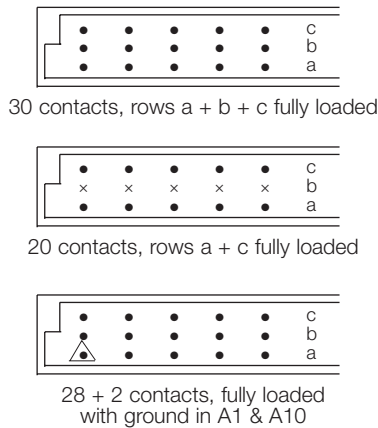
Series 8458 – 3 rows (3 x 10)



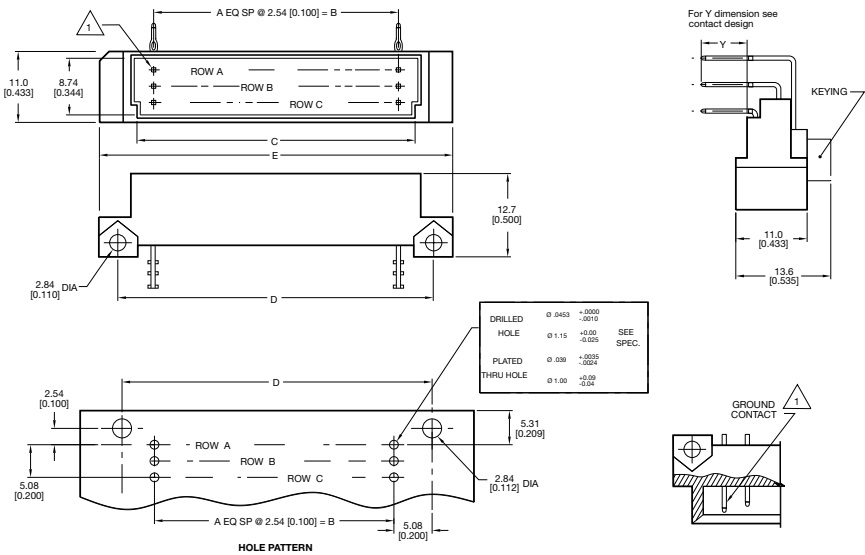
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 5.3 mm (Y) (0.6" x 0.6") Right Angled	30	a + b + c fully loaded	10 8458 030 001 025	10 8458 030 001 049
	20	a + c fully loaded	10 8458 030 001 026	10 8458 030 001 050
	28 + 2	fully loaded + ground	10 8458 030 101 025	10 8458 030 101 049
for 1.6 mm PCB's 3.0 mm (Y) (0.6" x 0.6") Right Angled	30	a + b + c fully loaded	10 8458 030 031 025	10 8458 030 031 049
	20	a + c fully loaded	10 8458 030 031 026	10 8458 030 031 050
	28 + 2	fully loaded + ground	10 8458 030 131 025	10 8458 030 131 049

NB: Alternative Prefix Variations Available: 12, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Assembly Tool: 06 8458 9241 00 000 (see page 67)

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
30	3 (3 x 10)	9	22.86 (0.900)	29.41 (1.158)	33.02 (1.300)	38.02 (1.497)

Female Style 1/3 C Press-Fit



Series 8458 – 3 rows (3 x 10)

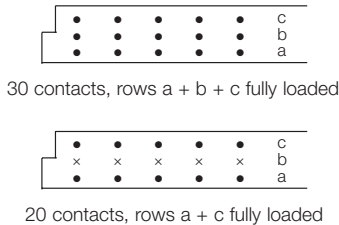


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 001 025	20 8458 030 001 049
5.3 mm (Y) Straight	20	a + c fully loaded	20 8458 030 001 026	20 8458 030 001 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 002 025	20 8458 030 002 049
9.3 mm (Y) Straight	20	a + c fully loaded	20 8458 030 002 026	20 8458 030 002 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 003 025	20 8458 030 003 049
16.2 mm (Y) Straight	20	a + c fully loaded	20 8458 030 003 026	20 8458 030 003 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 004 025	20 8458 030 004 049
23.2 mm (Y) Straight	20	a + c fully loaded	20 8458 030 004 026	20 8458 030 004 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 005 025	20 8458 030 005 049
13.2 mm (Y) Straight	20	a + c fully loaded	20 8458 030 005 026	20 8458 030 005 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 009 025	20 8458 030 009 049
12.0 mm (Y) Straight	20	a + c fully loaded	20 8458 030 009 026	20 8458 030 009 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 010 025	20 8458 030 010 049
20.3 mm (Y) Straight	20	a + c fully loaded	20 8458 030 010 026	20 8458 030 010 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 012 025	20 8458 030 012 049
17.0 mm (Y) Straight	20	a + c fully loaded	20 8458 030 012 026	20 8458 030 012 050
for 1.6 mm PCB's				
0.6 x 0.6 mm Post Profile	30	a + b + c fully loaded	20 8458 030 031 025	20 8458 030 031 049
3.0 mm (Y) Straight	20	a + c fully loaded	20 8458 030 031 026	20 8458 030 031 050

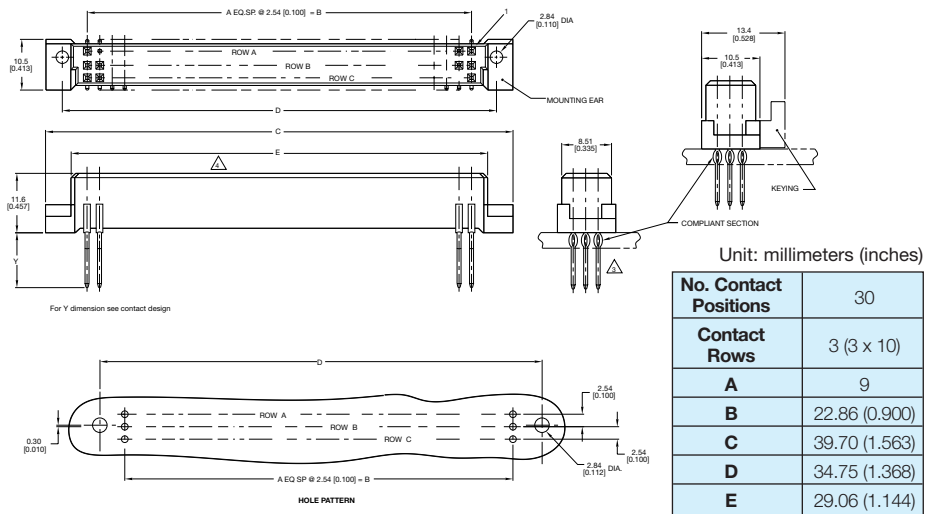
NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



DIMENSIONS



Male Style 1/2 C Press-Fit



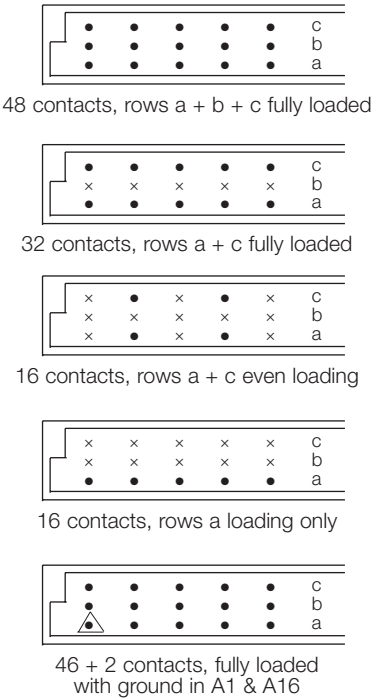
Series 8458 – 3 rows (3 x 16)



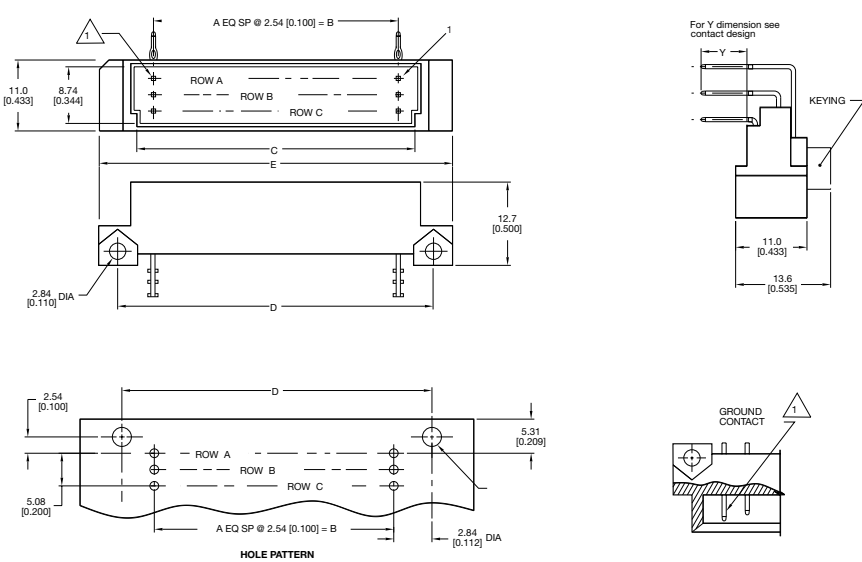
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled 	48	a + b + c fully loaded	10 8458 048 001 025	10 8458 048 001 049
	32	a + c fully loaded	10 8458 048 001 026	10 8458 048 001 050
	16	a + c even loading	10 8458 048 001 033	10 8458 048 001 057
	16	a loading only	10 8458 048 001 027	10 8458 048 001 051
	46 + 2	fully loaded + ground	10 8458 048 101 025	10 8458 048 101 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	48	a + b + c fully loaded	10 8458 048 031 025	10 8458 048 031 049
	32	a + c fully loaded	10 8458 048 031 026	10 8458 048 031 050
	16	a + c even loading	10 8458 048 031 033	10 8458 048 031 057
	16	a loading only	10 8458 048 031 027	10 8458 048 031 051
	46 + 2	fully loaded + ground	10 8458 048 131 025	10 8458 048 131 049

NB: Alternative Prefix Variations Available: please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



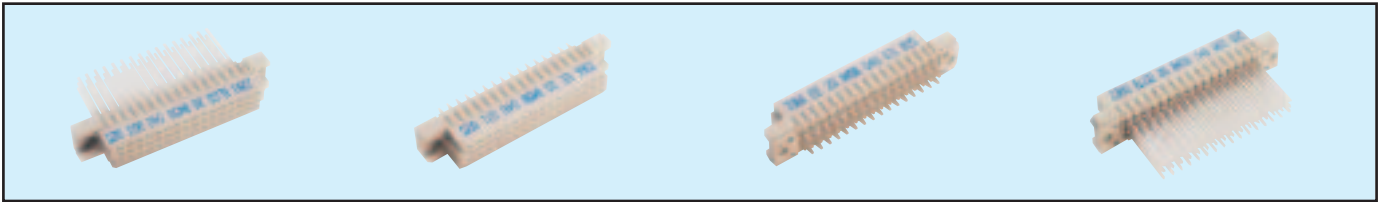
△ denotes ground pin

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	15	38.10 (1.500)	44.70 (1.760)	48.26 (1.900)	53.90 (2.122)

Female Style 1/2 C Press-Fit

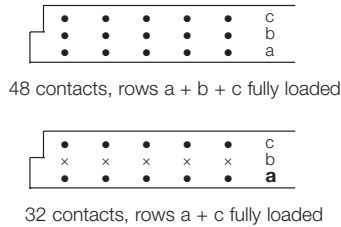
Series 8458 – 3 rows (3 x 16)



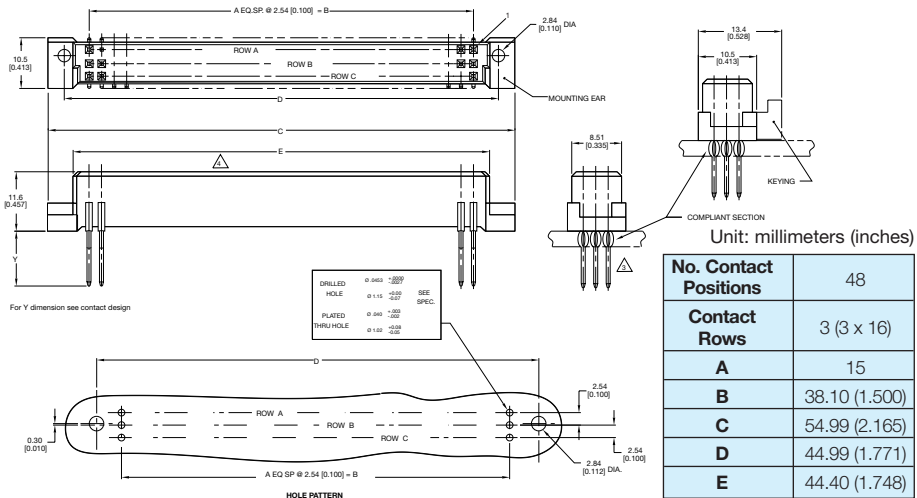
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 001 025	20 8458 048 001 049
	32	a + c fully loaded	20 8458 048 001 026	20 8458 048 001 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 002 025	20 8458 048 002 049
	32	a + c fully loaded	20 8458 048 002 026	20 8458 048 002 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 003 025	20 8458 048 003 049
	32	a + c fully loaded	20 8458 048 003 026	20 8458 048 003 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 004 025	20 8458 048 004 049
	32	a + c fully loaded	20 8458 048 004 026	20 8458 048 004 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 005 025	20 8458 048 005 049
	32	a + c fully loaded	20 8458 048 005 026	20 8458 048 005 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 12.0 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 009 025	20 8458 048 009 049
	32	a + c fully loaded	20 8458 048 009 026	20 8458 048 009 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.3 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 010 025	20 8458 048 010 049
	32	a + c fully loaded	20 8458 048 010 026	20 8458 048 010 050
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 17.0 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 012 025	20 8458 048 012 049
	32	a + c fully loaded	20 8458 048 012 026	20 8458 048 012 050
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight				
	48	a + b + c fully loaded	20 8458 048 031 025	20 8458 048 031 049
	32	a + c fully loaded	20 8458 048 031 026	20 8458 048 031 050

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.
Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION

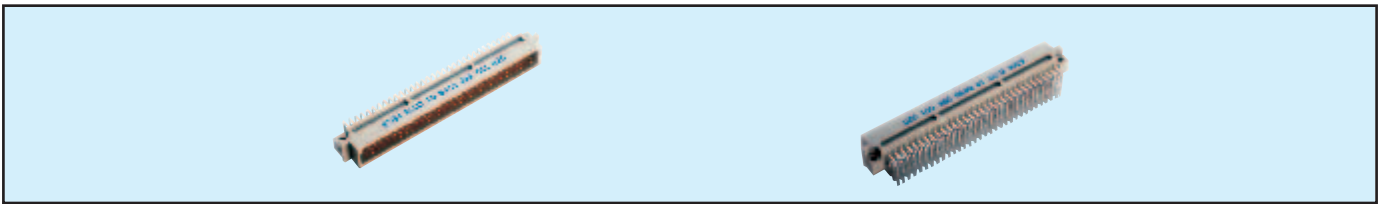


DIMENSIONS



Male Style C Press-Fit

Series 8458 – 3 rows (3 x 32)



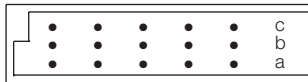
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled 	96	a + b + c fully loaded	10 8458 096 001 025	10 8458 096 001 049
	64	a + c fully loaded	10 8458 096 001 026	10 8458 096 001 050
	32	a + c even loading	10 8458 096 001 033	10 8458 096 001 057
	32	a loading only	10 8458 096 001 027	10 8458 096 001 051
	94 + 2	fully loaded + ground	10 8458 096 101 025	10 8458 096 101 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	96	a + b + c fully loaded	10 8458 096 031 025	10 8458 096 031 049
	64	a + c fully loaded	10 8458 096 031 026	10 8458 096 031 050
	32	a + c even loading	10 8458 096 031 033	10 8458 096 031 057
	32	a loading only	10 8458 096 031 027	10 8458 096 031 051
	94 + 2	fully loaded + ground	10 8458 096 131 025	10 8458 096 131 049

NB: Alternative Prefix Variations Available: 12, please refer to Page 10.

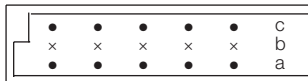
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION

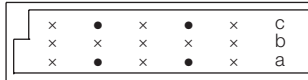
DIMENSIONS



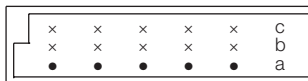
96 contacts, rows a + b + c fully loaded



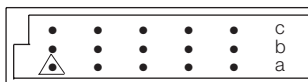
64 contacts, rows a + c fully loaded



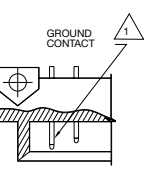
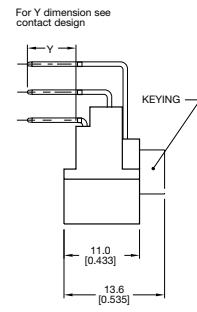
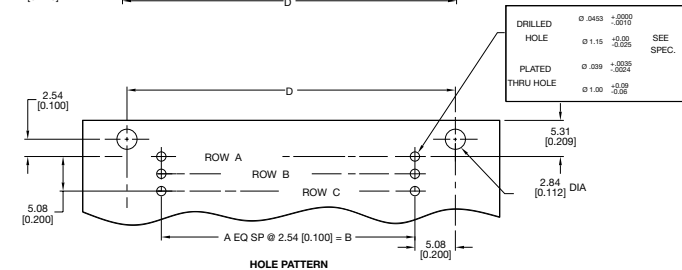
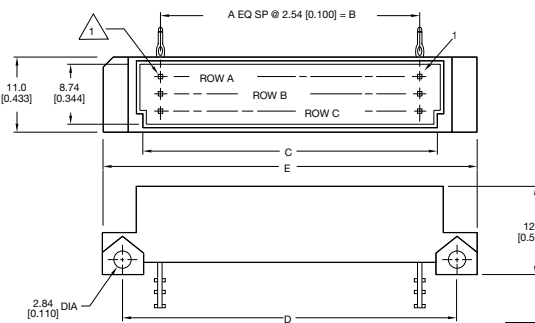
32 contacts, rows a + c even loading



32 contacts, row a loading only



94 + 2 contacts, fully loaded with ground in A1 + A32



Assembly Tool: 06 8458 9271 00 000 (see page 67)

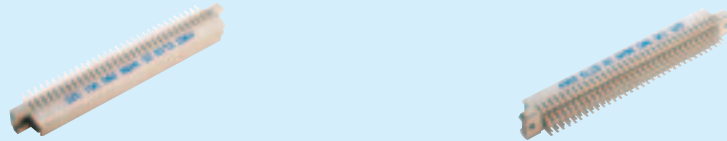
△ denotes ground pin

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
96	3 (3 x 32)	31	78.74 (3.100)	85.29 (3.358)	88.90 (3.500)	93.90 (3.697)

Female Style C Press-Fit

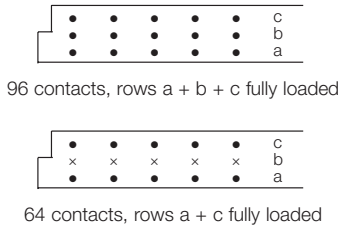
Series 8458 – 3 rows (3 x 32)



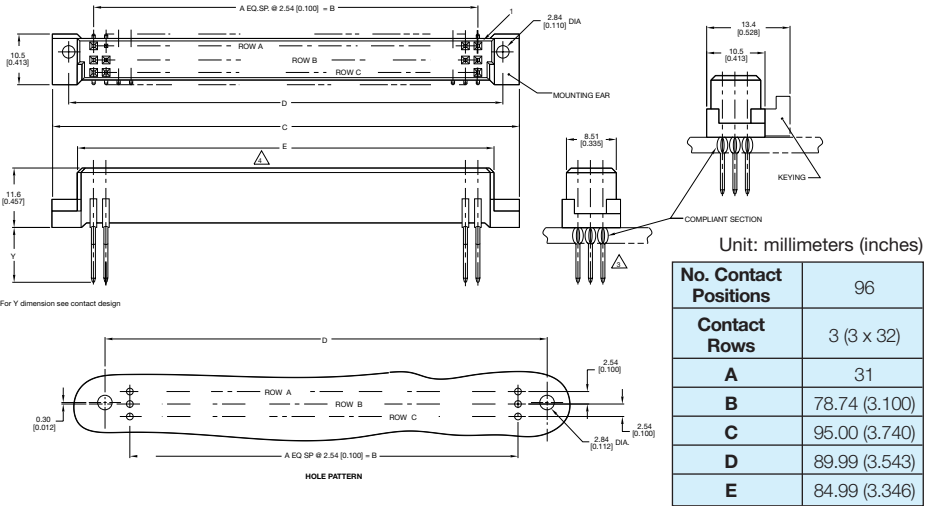
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 001 025	20 8458 096 001 049
5.3 mm (Y) Straight	64	a + c fully loaded	20 8458 096 001 026	20 8458 096 001 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 002 025	20 8458 096 002 049
9.3 mm (Y) Straight	64	a + c fully loaded	20 8458 096 002 026	20 8458 096 002 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 003 025	20 8458 096 003 049
16.2 mm (Y) Straight	64	a + c fully loaded	20 8458 096 003 026	20 8458 096 003 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 004 025	20 8458 096 004 049
23.2 mm (Y) Straight	64	a + c fully loaded	20 8458 096 004 026	20 8458 096 004 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 005 025	20 8458 096 005 049
13.2 mm (Y) Straight	64	a + c fully loaded	20 8458 096 005 026	20 8458 096 005 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 009 025	20 8458 096 009 049
12.0 mm (Y) Straight	64	a + c fully loaded	20 8458 096 009 026	20 8458 096 009 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 010 025	20 8458 096 010 049
20.3 mm (Y) Straight	64	a + c fully loaded	20 8458 096 010 026	20 8458 096 010 050
for ≥ 2.4 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 012 025	20 8458 096 012 049
17.0 mm (Y) Straight	64	a + c fully loaded	20 8458 096 012 026	20 8458 096 012 050
for 1.6 mm PCB's				
0.6 x 0.6 mm Post Profile	96	a + b + c fully loaded	20 8458 096 031 025	20 8458 096 031 049
3.0 mm (Y) Straight	64	a + c fully loaded	20 8458 096 031 026	20 8458 096 031 050

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.
 Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



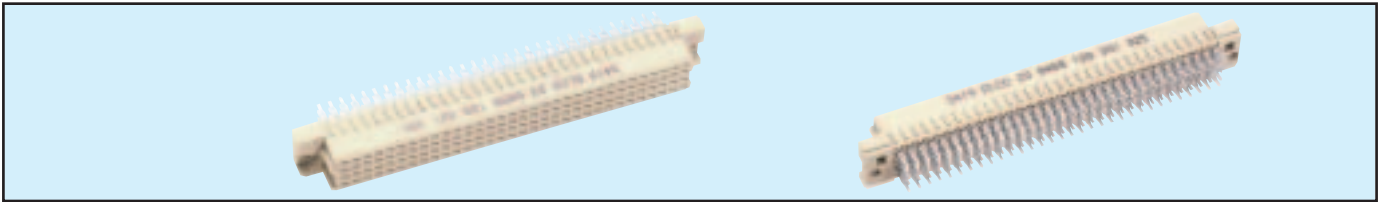
DIMENSIONS



Female Style C Expanded Press-Fit



Series 8458 – 4 rows (4 x 32)



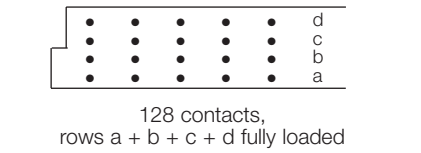
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 001 025	20 8458 128 001 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 002 025	20 8458 128 002 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 003 025	20 8458 128 003 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 004 025	20 8458 128 004 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 005 025	20 8458 128 005 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 12.0 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 009 025	20 8458 128 009 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.3 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 010 025	20 8458 128 010 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 17.0 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 012 025	20 8458 128 012 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight	128	a + b + c + d fully loaded	20 8458 128 031 025	20 8458 128 031 049

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.

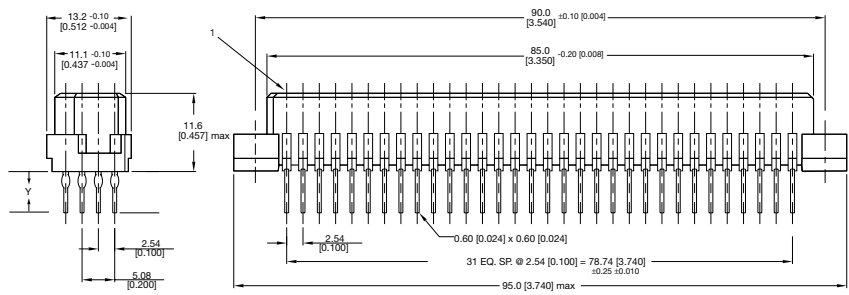
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



DIMENSIONS

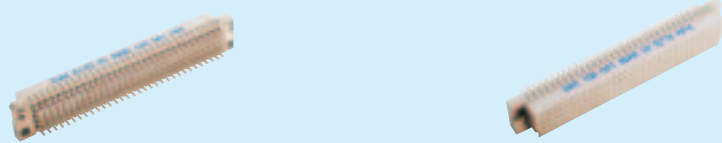


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
128	4 (4 x 32)	31	78.74 (3.100)	95.00 (3.740)	90.00 (3.543)	85.00 (3.346)	11.00 (0.433)	13.10 (0.516)

Female Style C Expanded Press-Fit

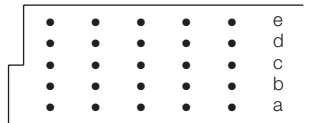
Series 8458 – 5 rows (5 x 32)



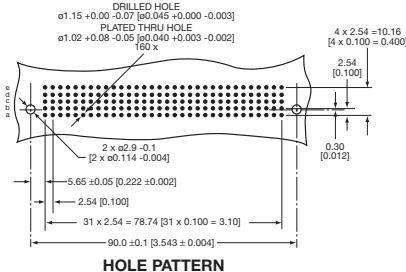
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 001 025	20 8458 160 001 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 002 025	20 8458 160 002 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 003 025	20 8458 160 003 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 004 025	20 8458 160 004 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 005 025	20 8458 160 005 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 12.0 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 009 025	20 8458 160 009 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.3 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 010 025	20 8458 160 010 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 17.0 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 012 025	20 8458 160 012 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight	160	a + b + c + d + e fully loaded	20 8458 160 031 025	20 8458 160 031 049

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.
 Installed using Flat Rock method (see page 66)

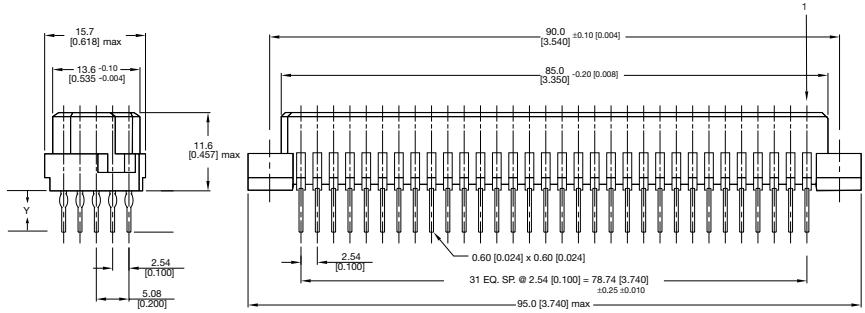
LOADING DESCRIPTION



160 contacts,
rows a + b + c + d + e fully loaded



DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
160	5 (5 x 32)	31	78.74 (3.100)	95.00 (3.740)	90.00 (3.543)	85.00 (3.346)	11.00 (0.433)	13.10 (0.516)

Female Style 1/2 M Press-Fit

Series 8484



We have Male Style 1/2 M solder, too!

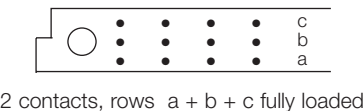
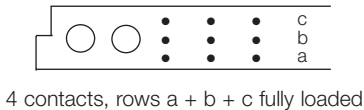


Contact Design and Termination Length	Number of Cavities for Signal Contacts	Number of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
5.3 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 001 025	20 8484 012 001 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 001 025	20 8484 030 001 049
9.3 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 002 025	20 8484 012 002 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 002 025	20 8484 030 002 049
16.2 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 003 025	20 8484 012 003 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 003 025	20 8484 030 003 049
23.2 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 004 025	20 8484 012 004 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 004 025	20 8484 030 004 049
13.2 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 005 025	20 8484 012 005 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 005 025	20 8484 030 005 049
18.2 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 008 025	20 8484 012 008 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 008 025	20 8484 030 008 049
12.0 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 009 025	20 8484 012 009 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 009 025	20 8484 030 009 049
20.3 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 010 025	20 8484 012 010 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 010 025	20 8484 030 010 049
Special storch leg 18.7 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 011 025	20 8484 012 011 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 011 025	20 8484 030 011 049
17.0 mm (Y) Straight	12 (3 x 4)	4	a + b + c fully loaded	20 8484 012 012 025	20 8484 012 012 049
	30 (3 x 10)	2	a + b + c fully loaded	20 8484 030 012 025	20 8484 030 012 049

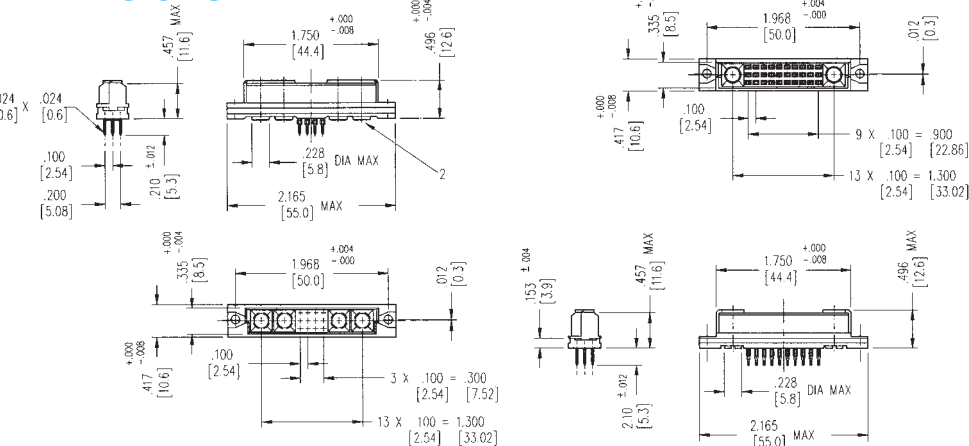
NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



DIMENSIONS



Female Style M Press-Fit

Series 8484



Contact Design and Termination Length	Number of Cavities for Signal Contacts	Number of Cavities for Special Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
				II	I
5.3 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 001 025	20 8484 006 001 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 001 025	20 8484 024 001 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 001 025	20 8484 042 001 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 001 025	20 8484 060 001 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 001 025	20 8484 078 001 049
9.3 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 002 025	20 8484 006 002 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 002 025	20 8484 024 002 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 002 025	20 8484 042 002 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 002 025	20 8484 060 002 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 002 025	20 8484 078 002 049
16.2 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 003 025	20 8484 006 003 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 003 025	20 8484 024 003 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 003 025	20 8484 042 003 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 003 025	20 8484 060 003 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 003 025	20 8484 078 003 049
23.2 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 004 025	20 8484 006 004 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 004 025	20 8484 024 004 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 004 025	20 8484 042 004 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 004 025	20 8484 060 004 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 004 025	20 8484 078 004 049
13.2 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 005 025	20 8484 006 005 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 005 025	20 8484 024 005 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 005 025	20 8484 042 005 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 005 025	20 8484 060 005 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 005 025	20 8484 078 005 049
18.2 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 008 025	20 8484 006 008 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 008 025	20 8484 024 008 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 008 025	20 8484 042 008 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 008 025	20 8484 060 008 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 008 025	20 8484 078 008 049
12.0 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 009 025	20 8484 006 009 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 009 025	20 8484 024 009 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 009 025	20 8484 042 009 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 009 025	20 8484 060 009 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 009 025	20 8484 078 009 049
20.3 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 010 025	20 8484 006 010 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 010 025	20 8484 024 010 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 010 025	20 8484 042 010 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 010 025	20 8484 060 010 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 010 025	20 8484 078 010 049
17.0 mm (Y) Straight	6 (3 x 2)	10	a + b + c fully loaded	20 8484 006 012 025	20 8484 006 012 049
	24 (3 x 8)	8	a + b + c fully loaded	20 8484 024 012 025	20 8484 024 012 049
	42 (3 x 14)	6	a + b + c fully loaded	20 8484 042 012 025	20 8484 042 012 049
	60 (3 x 20)	4	a + b + c fully loaded	20 8484 060 012 025	20 8484 060 012 049
	78 (3 x 28)	2	a + b + c fully loaded	20 8484 078 012 025	20 8484 078 012 049

NB: Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

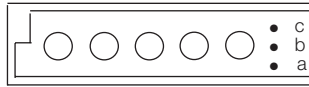
Installed using Flat Rock method (see page 66)

Female Style M Press-Fit

Series 8484



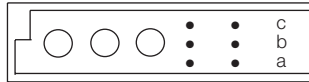
LOADING DESCRIPTION



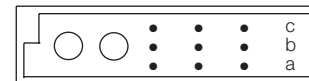
10 contacts, rows a + b + c fully loaded



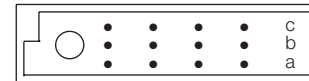
8 contacts, rows a + b + c fully loaded



6 contacts, rows a + b + c fully loaded

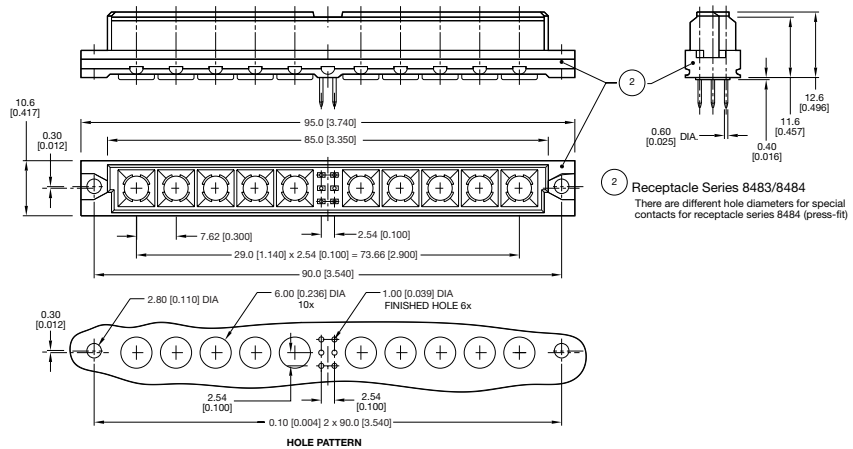


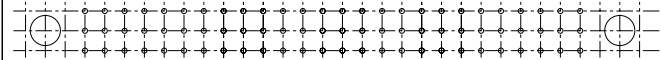
4 contacts, rows a + b + c fully loaded



2 contacts, rows a + b + c fully loaded

DIMENSIONS



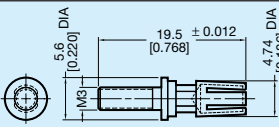
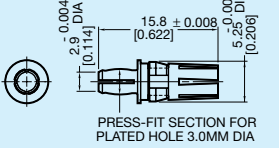
CONTACT ARRANGEMENT															
variations receptacle (mating side)														max pin counts	
312825221917161411852															
														78+ max 2 special contacts	
														60+ max 4 special contacts	
														42+ max 6 special contacts	
														24+ max 8 special contacts	
														6+ max 10 special contacts	

Style M Contacts



Series 8489 – Special Contacts for Style M Connectors

HIGH POWER RECEPTACLE CONTACT FOR RECEPTACLE SERIES 8484

Variation	Termination	ØA*	Performance	Ordering Code
	Screw Ø3M	.114 (2.90) for .118 (3.00) PCB hole Note: set PCB hole spec drilled hole 3.1-0.02 finish hole 3.0+0.04-0.06	40 Ampere max.	70 8485 0214 00 343
	Press-Fit		40 Ampere max.	70 8485 0314 00 343

NB: Please refer to page 49 for other special contacts and tools for Press-Fit Style M Connectors.

Female Style 1/2 Q Press-Fit



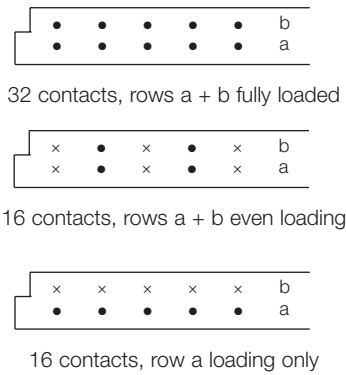
Series 8478 – 2 rows (2 x 16) Inverted



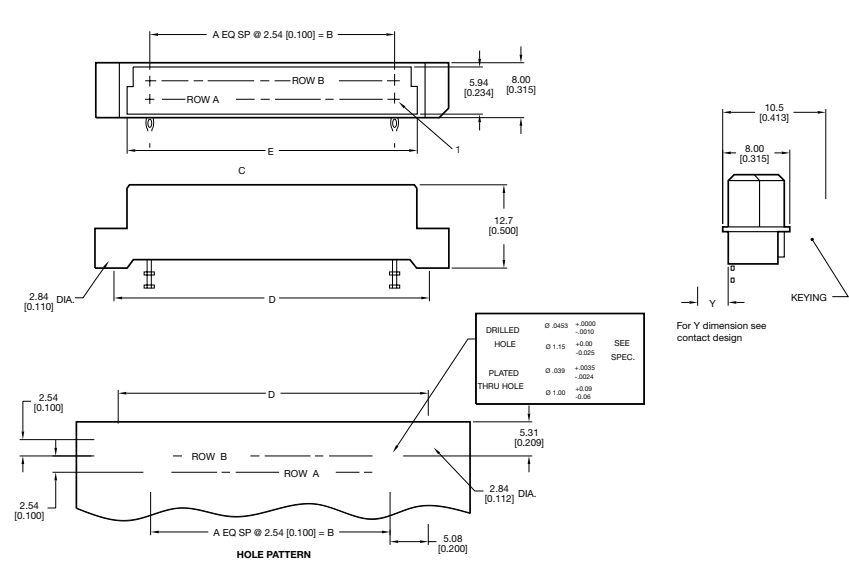
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled	32	a + b fully loaded	20 8478 032 001 025	20 8478 032 001 049
	16	a + b even loading	20 8478 032 001 031	20 8478 032 001 055
	16	a loading only	20 8478 032 001 027	20 8478 032 001 051
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Right Angled	32	a + b fully loaded	20 8478 032 031 025	20 8478 032 031 049
	16	a + b even loading	20 8478 032 031 031	20 8478 032 031 055
	16	a loading only	20 8478 032 031 027	20 8478 032 031 051

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Assembly Tool: 06 8478 8421 00 000 (see page 67)

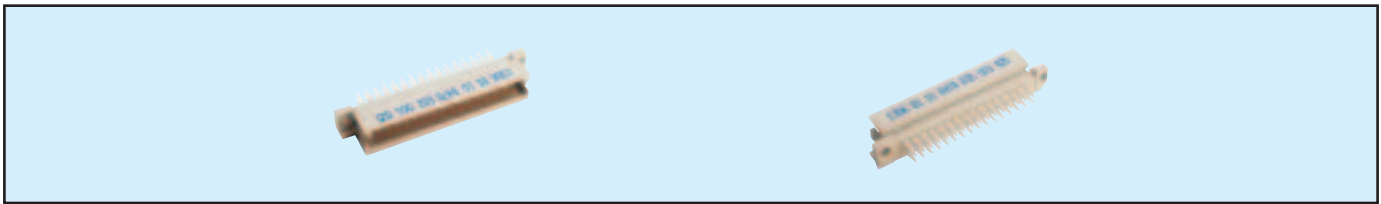
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
64	2 (2 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.91 (3.343)

Male Style 1/2 Q Press-Fit



Series 8478 – 2 rows (2 x 16) Inverted



Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	32	a + b fully loaded	10 8478 032 001 025	10 8478 032 001 049
	16	a + b even loading	10 8478 032 001 031	10 8478 032 001 055
	16	a loading only	10 8478 032 001 027	10 8478 032 001 051
	30 + 2	fully loaded + ground	10 8478 032 101 025	10 8478 032 101 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	32	a + b fully loaded	10 8478 032 002 025	10 8478 032 002 049
	16	a + b even loading	10 8478 032 002 031	10 8478 032 002 055
	16	a loading only	10 8478 032 002 027	10 8478 032 002 051
	30 + 2	fully loaded + ground	10 8478 032 102 025	10 8478 032 102 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	32	a + b fully loaded	10 8478 032 003 025	10 8478 032 003 049
	16	a + b even loading	10 8478 032 003 031	10 8478 032 003 055
	16	a loading only	10 8478 032 003 027	10 8478 032 003 051
	30 + 2	fully loaded + ground	10 8478 032 103 025	10 8478 032 103 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 18.2 mm (Y) Straight	32	a + b fully loaded	10 8478 032 004 025	10 8478 032 004 049
	16	a + b even loading	10 8478 032 004 031	10 8478 032 004 055
	16	a loading only	10 8478 032 004 027	10 8478 032 004 051
	30 + 2	fully loaded + ground	10 8478 032 104 025	10 8478 032 104 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 14.6 mm (Y) Straight	32	a + b fully loaded	10 8478 032 005 025	10 8478 032 005 049
	16	a + b even loading	10 8478 032 005 031	10 8478 032 005 055
	16	a loading only	10 8478 032 005 027	10 8478 032 005 051
	30 + 2	fully loaded + ground	10 8478 032 105 025	10 8478 032 105 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	32	a + b fully loaded	10 8478 032 006 025	10 8478 032 006 049
	16	a + b even loading	10 8478 032 006 031	10 8478 032 006 055
	16	a loading only	10 8478 032 006 027	10 8478 032 006 051
	30 + 2	fully loaded + ground	10 8478 032 106 025	10 8478 032 106 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	32	a + b fully loaded	10 8478 032 007 025	10 8478 032 007 049
	16	a + b even loading	10 8478 032 007 031	10 8478 032 007 055
	16	a loading only	10 8478 032 007 027	10 8478 032 007 051
	30 + 2	fully loaded + ground	10 8478 032 107 025	10 8478 032 107 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.0 mm (Y) Straight	32	a + b fully loaded	10 8478 032 008 025	10 8478 032 008 049
	16	a + b even loading	10 8478 032 008 031	10 8478 032 008 055
	16	a loading only	10 8478 032 008 027	10 8478 032 008 051
	30 + 2	fully loaded + ground	10 8478 032 108 025	10 8478 032 108 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 3.9 mm (Y) Straight	32	a + b fully loaded	10 8478 032 009 025	10 8478 032 009 049
	16	a + b even loading	10 8478 032 009 031	10 8478 032 009 055
	16	a loading only	10 8478 032 009 027	10 8478 032 009 051
	30 + 2	fully loaded + ground	10 8478 032 109 025	10 8478 032 109 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight	32	a + b fully loaded	10 8478 032 031 025	10 8478 032 031 049
	16	a + b even loading	10 8478 032 031 031	10 8478 032 031 055
	16	a loading only	10 8478 032 031 027	10 8478 032 031 051

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



8.50 [0.335] 6.20 [0.244] 0.30 [0.012] 2.84 DIA. [0.110] 11.48 [0.452] 3.18 [0.125] BOARD THICKNESS

ROW A ROW B

COMPLIANT SECTION

DRILLED	0.0453	+0.000	
HOLE	0.0500	-0.010	
	0.000	-0.025	SEE SPEC.
PLATED	0.040	+0.053	
THRU HOLE	0.002	-0.002	
	0.008	-0.009	

For Y dimension see contact design

11.1 [0.437] 8.51 [0.335] KEYING

Y

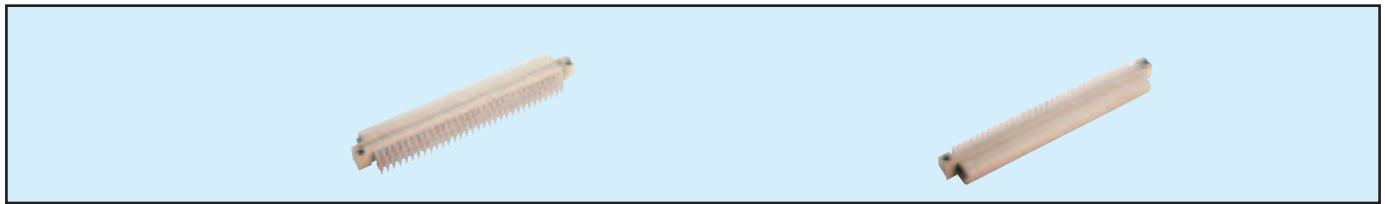
HOLE PATTERN

No. Contact Positions	Contact Rows	A	B	C	D	E	F
32	2 (2 x 16)	15	38.10 (1 500)	44.70 (1 760)	47.29 (1 862)	49.99 (1 968)	54.91 (2 162)

Female Style Q Press-Fit



Series 8478 – 2 rows (2 x 32) Inverted

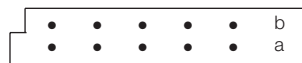


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled	64	a + b fully loaded	20 8478 064 001 025	20 8478 064 001 049
	32	a + b even loading	20 8478 064 001 031	20 8478 064 001 055
	32	a loading only	20 8478 064 001 027	20 8478 064 001 051
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Right Angled	64	a + b fully loaded	20 8478 064 031 025	20 8478 064 031 049
	32	a + b even loading	20 8478 064 031 031	20 8478 064 031 055
	32	a loading only	20 8478 064 031 027	20 8478 064 031 051

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



64 contacts, rows a + b fully loaded

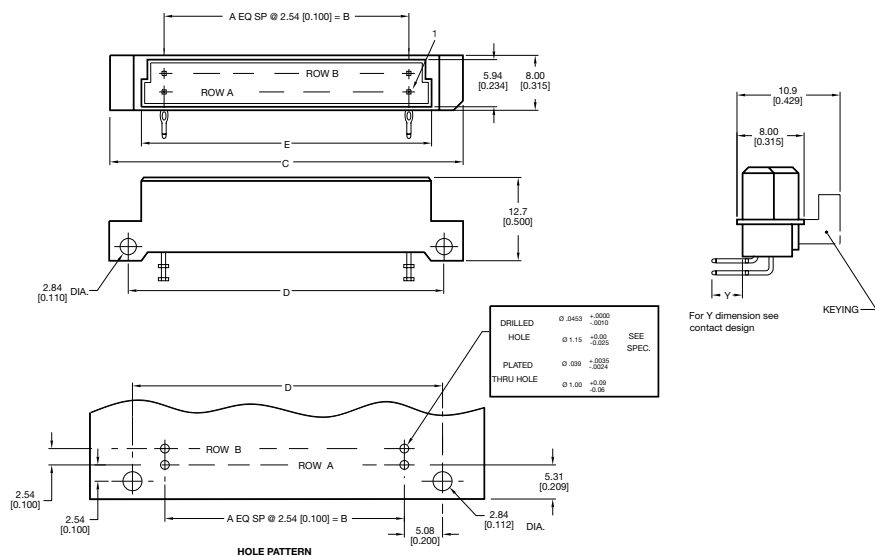


32 contacts, rows a + b even loading



32 contacts, row a loading only

DIMENSIONS



Assembly Tool: 06 8478 8461 00 000 (see page 67)

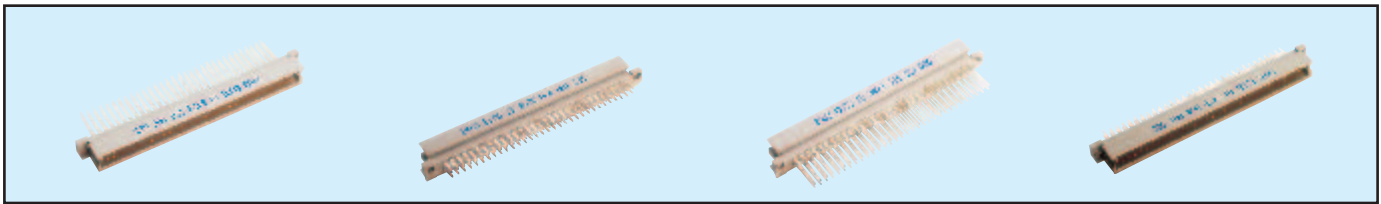
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
64	2 (2 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.91 (3.343)

Male Style Q Press-Fit



Series 8478 – 2 rows (2 x 32) Inverted



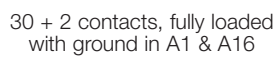
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 001 025	10 8478 064 001 049
	32	a + b even loading	10 8478 064 001 031	10 8478 064 001 055
	32	a loading only	10 8478 064 001 027	10 8478 064 001 051
	62 + 2	fully loaded + ground	10 8478 064 101 025	10 8478 064 101 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 002 025	10 8478 064 002 049
	32	a + b even loading	10 8478 064 002 031	10 8478 064 002 055
	32	a loading only	10 8478 064 002 027	10 8478 064 002 051
	62 + 2	fully loaded + ground	10 8478 064 102 025	10 8478 064 102 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 003 025	10 8478 064 003 049
	32	a + b even loading	10 8478 064 003 031	10 8478 064 003 055
	32	a loading only	10 8478 064 003 027	10 8478 064 003 051
	62 + 2	fully loaded + ground	10 8478 064 103 025	10 8478 064 103 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 18.2 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 004 025	10 8478 064 004 049
	32	a + b even loading	10 8478 064 004 031	10 8478 064 004 055
	32	a loading only	10 8478 064 004 027	10 8478 064 004 051
	62 + 2	fully loaded + ground	10 8478 064 104 025	10 8478 064 104 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 14.6 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 005 025	10 8478 064 005 049
	32	a + b even loading	10 8478 064 005 031	10 8478 064 005 055
	32	a loading only	10 8478 064 005 027	10 8478 064 005 051
	62 + 2	fully loaded + ground	10 8478 064 105 025	10 8478 064 105 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 006 025	10 8478 064 006 049
	32	a + b even loading	10 8478 064 006 031	10 8478 064 006 055
	32	a loading only	10 8478 064 006 027	10 8478 064 006 051
	62 + 2	fully loaded + ground	10 8478 064 106 025	10 8478 064 106 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 007 025	10 8478 064 007 049
	32	a + b even loading	10 8478 064 007 031	10 8478 064 007 055
	32	a loading only	10 8478 064 007 027	10 8478 064 007 051
	62 + 2	fully loaded + ground	10 8478 064 107 025	10 8478 064 107 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.0 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 008 025	10 8478 064 008 049
	32	a + b even loading	10 8478 064 008 031	10 8478 064 008 055
	32	a loading only	10 8478 064 008 027	10 8478 064 008 051
	62 + 2	fully loaded + ground	10 8478 064 108 025	10 8478 064 108 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 3.9 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 009 025	10 8478 064 009 049
	32	a + b even loading	10 8478 064 009 031	10 8478 064 009 055
	32	a loading only	10 8478 064 009 027	10 8478 064 009 051
	62 + 2	fully loaded + ground	10 8478 064 109 025	10 8478 064 109 049
for 1.6 mm PCB's 0.6 x 0.6 Post Profile 3.0 mm (Y) Straight 	64	a + b fully loaded	10 8478 064 031 025	10 8478 064 031 049
	32	a + b even loading	10 8478 064 031 031	10 8478 064 031 055
	32	a loading only	10 8478 064 031 027	10 8478 064 031 051
	30 + 2	fully loaded + ground	10 8478 064 131 025	10 8478 064 131 049

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.

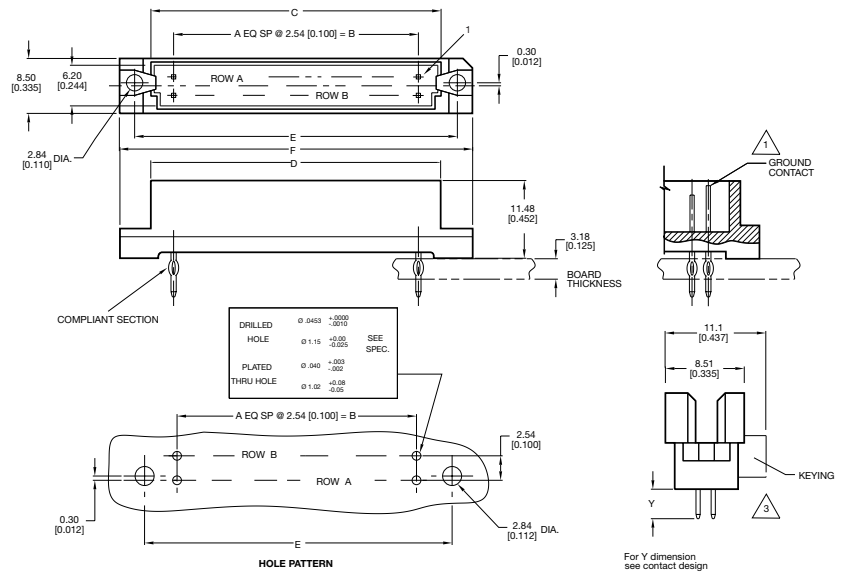
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



DIMENSIONS

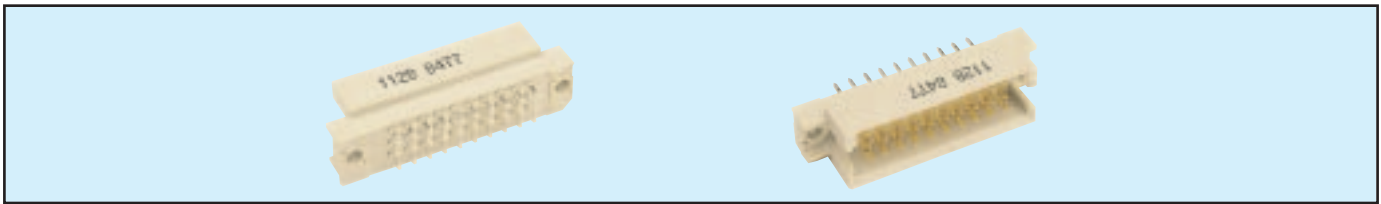


No. Contact Positions	Contact Rows	A	B	C	D	E	F
64	2 (2 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	89.99 (3.543)	94.89 (3.763)

Male Style 1/3 R Press-Fit



Series 8478 – 3 rows (3 x 10) Inverted



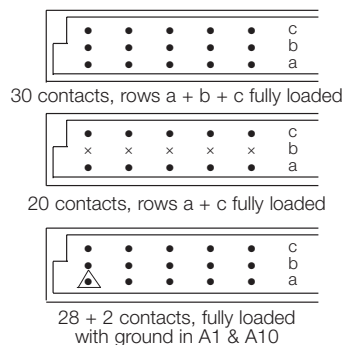
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 001 025	10 8478 030 001 049
	20	a + c fully loaded	10 8478 030 001 026	10 8478 030 001 050
	28 + 2	fully loaded + ground	10 8478 030 101 025	10 8478 030 101 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 002 025	10 8478 030 002 049
	20	a + c fully loaded	10 8478 030 002 026	10 8478 030 002 050
	28 + 2	fully loaded + ground	10 8478 030 102 025	10 8478 030 102 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 003 025	10 8478 030 003 049
	20	a + c fully loaded	10 8478 030 003 026	10 8478 030 003 050
	28 + 2	fully loaded + ground	10 8478 030 103 025	10 8478 030 103 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 18.2 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 004 025	10 8478 030 004 049
	20	a + c fully loaded	10 8478 030 004 026	10 8478 030 004 050
	28 + 2	fully loaded + ground	10 8478 030 104 025	10 8478 030 104 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 14.6 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 005 025	10 8478 030 005 049
	20	a + c fully loaded	10 8478 030 005 026	10 8478 030 005 050
	28 + 2	fully loaded + ground	10 8478 030 105 025	10 8478 030 105 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 006 025	10 8478 030 006 049
	20	a + c fully loaded	10 8478 030 006 026	10 8478 030 006 050
	28 + 2	fully loaded + ground	10 8478 030 106 025	10 8478 030 106 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 007 026	10 8478 030 007 049
	20	a + c fully loaded	10 8478 030 007 026	10 8478 030 007 050
	28 + 2	fully loaded + ground	10 8478 030 107 025	10 8478 030 107 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.0 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 008 025	10 8478 030 008 049
	20	a + c fully loaded	10 8478 030 008 026	10 8478 030 008 050
	28 + 2	fully loaded + ground	10 8478 030 108 025	10 8478 030 108 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 3.9 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 009 025	10 8478 030 009 049
	20	a + c fully loaded	10 8478 030 009 026	10 8478 030 009 050
	28 + 2	fully loaded + ground	10 8478 030 109 025	10 8478 030 109 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight	30	a + b + c fully loaded	10 8478 030 031 025	10 8478 030 031 049
	20	a + c fully loaded	10 8478 030 031 026	10 8478 030 031 050

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.

Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

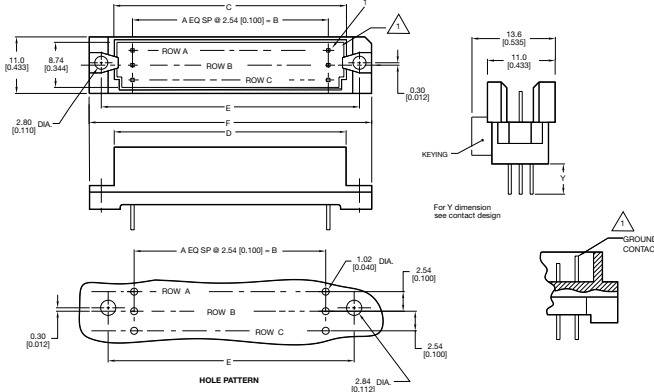
Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



△ denotes ground pin

DIMENSIONS



No. Contact Positions	30
Contact Rows	3 (3 x 10)
A	9
B	22.86 (0.900)
C	29.44 (1.159)
D	32.12 (1.265)
E	34.76 (1.368)
F	39.76 (1.565)

Female Style 1/2 R Press-Fit



Series 8478 – 3 rows (3 x 16) Inverted

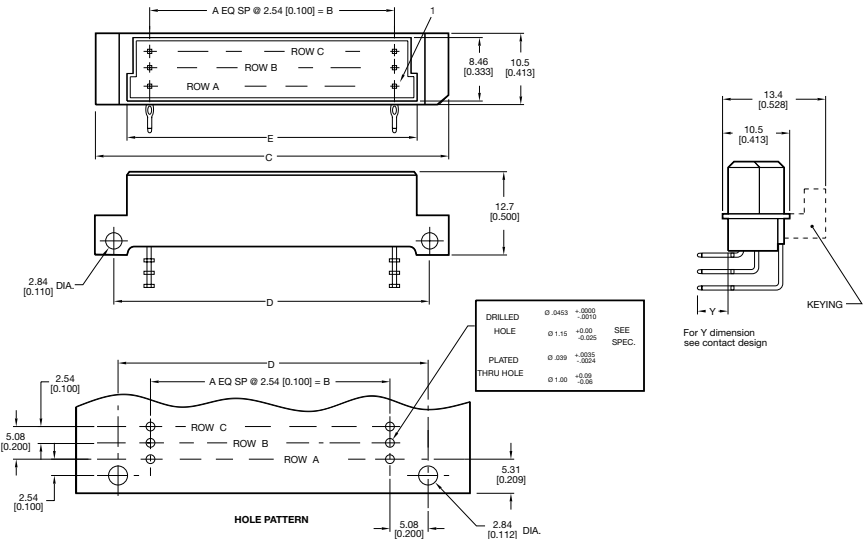
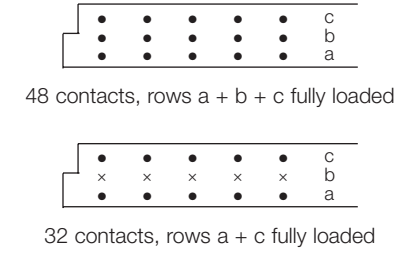


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled	 48	a + b + c fully loaded	20 8478 048 001 025	20 8478 048 001 049
		a + c fully loaded	20 8478 048 001 026	20 8478 048 001 050
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Right Angled	 48	a + b + c fully loaded	20 8478 048 031 025	20 8478 048 031 049
		a + c fully loaded	20 8478 048 031 026	20 8478 048 031 050

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION

DIMENSIONS



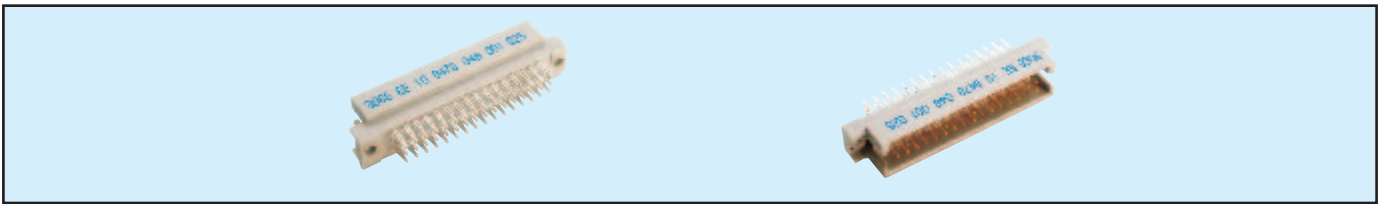
Assembly Tool: 06 8478 8471 00 000 (see page 67)

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	31	38.10 (1.500)	53.90 (2.122)	48.26 (1.900)	44.30 (1.744)

Male Style 1/2 R Press-Fit

Series 8478 – 3 rows (3 x 16) Inverted

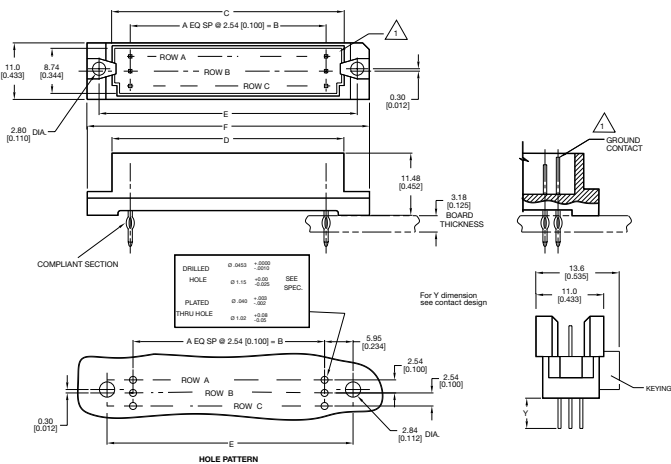
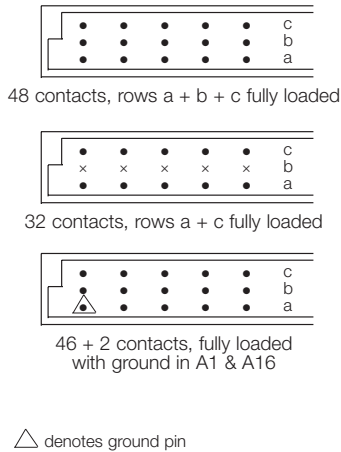


Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 001 025	10 8478 048 001 049
	32	a + c fully loaded	10 8478 048 001 026	10 8478 048 001 050
	46 + 2	fully loaded + ground	10 8478 048 101 025	10 8478 048 101 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 002 025	10 8478 048 002 049
	32	a + c fully loaded	10 8478 048 002 026	10 8478 048 002 050
	46 + 2	fully loaded + ground	10 8478 048 102 025	10 8478 048 102 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 003 025	10 8478 048 003 049
	32	a + c fully loaded	10 8478 048 003 026	10 8478 048 003 050
	46 + 2	fully loaded + ground	10 8478 048 103 025	10 8478 048 103 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 18.2 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 004 025	10 8478 048 004 049
	32	a + c fully loaded	10 8478 048 004 026	10 8478 048 004 050
	46 + 2	fully loaded + ground	10 8478 048 104 025	10 8478 048 104 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 14.6 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 005 025	10 8478 048 005 049
	32	a + c fully loaded	10 8478 048 005 026	10 8478 048 005 050
	46 + 2	fully loaded + ground	10 8478 048 105 025	10 8478 048 105 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 006 025	10 8478 048 006 049
	32	a + c fully loaded	10 8478 048 006 026	10 8478 048 006 050
	46 + 2	fully loaded + ground	10 8478 048 106 025	10 8478 048 106 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 007 026	10 8478 048 007 049
	32	a + c fully loaded	10 8478 048 007 026	10 8478 048 007 050
	46 + 2	fully loaded + ground	10 8478 048 107 025	10 8478 048 107 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.0 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 008 025	10 8478 048 008 049
	32	a + c fully loaded	10 8478 048 008 026	10 8478 048 008 050
	46 + 2	fully loaded + ground	10 8478 048 108 025	10 8478 048 108 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 3.9 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 009 025	10 8478 048 009 049
	32	a + c fully loaded	10 8478 048 009 026	10 8478 048 009 050
	46 + 2	fully loaded + ground	10 8478 048 109 025	10 8478 048 109 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight	48	a + b + c fully loaded	10 8478 048 031 025	10 8478 048 031 049
	32	a + c fully loaded	10 8478 048 031 026	10 8478 048 031 050

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.
Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION

DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	48
Contact Rows	3 (3 x 16)
A	15
B	38.10 (1.500)
C	44.70 (1.760)
D	47.29 (1.862)
E	50.00 (1.968)
F	54.91 (2.162)

Female Style R Press-Fit

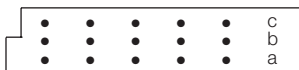
Series 8478 – 3 rows (3 x 32) Inverted



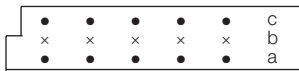
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm Right Angled	96	a + b + c fully loaded	20 8478 096 001 025	20 8478 096 001 049
	64	a + c fully loaded	20 8478 096 001 026	20 8478 096 001 050
	32	a + c even loading	20 8478 096 001 033	20 8478 096 001 057
	32	a loading only	20 8478 096 001 027	20 8478 096 001 051
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm Right Angled	96	a + b + c fully loaded	20 8478 096 031 025	20 8478 096 031 049
	64	a + c fully loaded	20 8478 096 031 026	20 8478 096 031 050
	32	a + c even loading	20 8478 096 031 033	20 8478 096 031 057
	32	a loading only	20 8478 096 031 027	20 8478 096 031 051

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

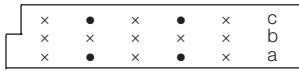
LOADING DESCRIPTION



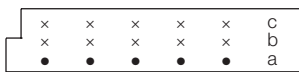
96 contacts, rows a + b + c fully loaded



64 contacts, rows a + c fully loaded

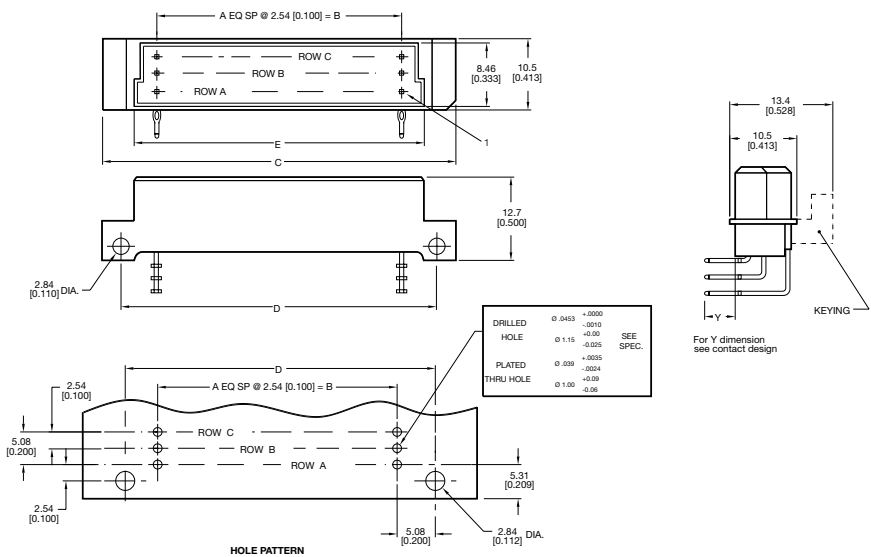


32 contacts, rows a + c even loading



32 contacts, rows a loading only

DIMENSIONS



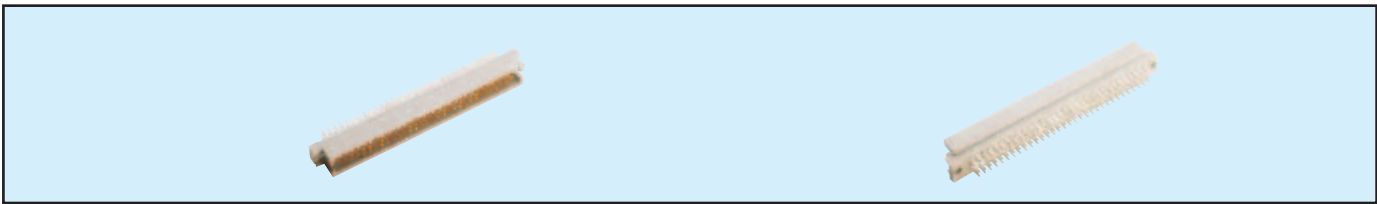
Assembly Tool: 06 8478 8471 00 000 (see page 67)

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
96	3 (3 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.91 (3.343)

Male Style R Press-Fit

Series 8478 – 3 rows (3 x 32) Inverted



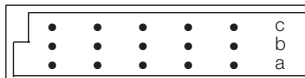
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 001 025	10 8478 096 001 049
	64	a + c fully loaded	10 8478 096 001 026	10 8478 096 001 050
	94 + 2	fully loaded + ground	10 8478 096 101 025	10 8478 096 101 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 002 025	10 8478 096 002 049
	64	a + c fully loaded	10 8478 096 002 026	10 8478 096 002 050
	94 + 2	fully loaded + ground	10 8478 096 102 025	10 8478 096 102 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 003 025	10 8478 096 003 049
	64	a + c fully loaded	10 8478 096 003 026	10 8478 096 003 050
	94 + 2	fully loaded + ground	10 8478 096 103 025	10 8478 096 103 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 18.2 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 004 025	10 8478 096 004 049
	64	a + c fully loaded	10 8478 096 004 026	10 8478 096 004 050
	94 + 2	fully loaded + ground	10 8478 096 104 025	10 8478 096 104 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 14.6 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 005 025	10 8478 096 005 049
	64	a + c fully loaded	10 8478 096 005 026	10 8478 096 005 050
	94 + 2	fully loaded + ground	10 8478 096 105 025	10 8478 096 105 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 006 025	10 8478 096 006 049
	64	a + c fully loaded	10 8478 096 006 026	10 8478 096 006 050
	94 + 2	fully loaded + ground	10 8478 096 106 025	10 8478 096 106 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 007 026	10 8478 096 007 049
	64	a + c fully loaded	10 8478 096 007 026	10 8478 096 007 050
	94 + 2	fully loaded + ground	10 8478 096 107 025	10 8478 096 107 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.0 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 008 025	10 8478 096 008 049
	64	a + c fully loaded	10 8478 096 008 026	10 8478 096 008 050
	94 + 2	fully loaded + ground	10 8478 096 108 025	10 8478 096 108 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 3.9 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 009 025	10 8478 096 009 049
	64	a + c fully loaded	10 8478 096 009 026	10 8478 096 009 050
	94 + 2	fully loaded + ground	10 8478 096 109 025	10 8478 096 109 049
for 1.6 mm PCB's 0.6 x 0.6 Post Profile 3.0 mm (Y) Straight	96	a + b + c fully loaded	10 8478 096 031 025	10 8478 096 031 049
	64	a + c fully loaded	10 8478 096 031 026	10 8478 096 031 050

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.

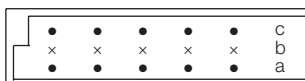
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

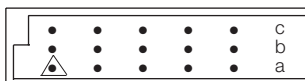
LOADING DESCRIPTION



96 contacts, rows a + b + c fully loaded



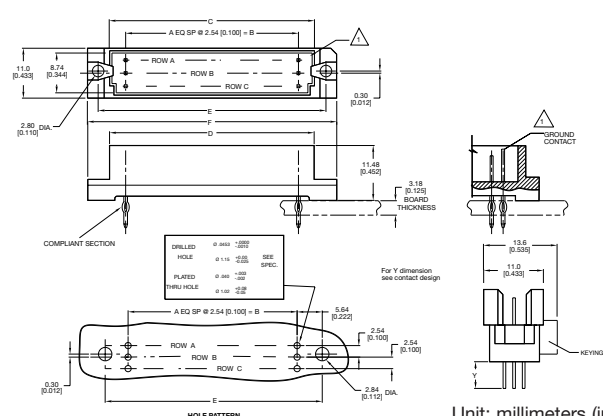
64 contacts, rows a + c fully loaded



94 + 2 contacts, fully loaded with ground in A1 & A32

△ denotes ground pin

DIMENSIONS



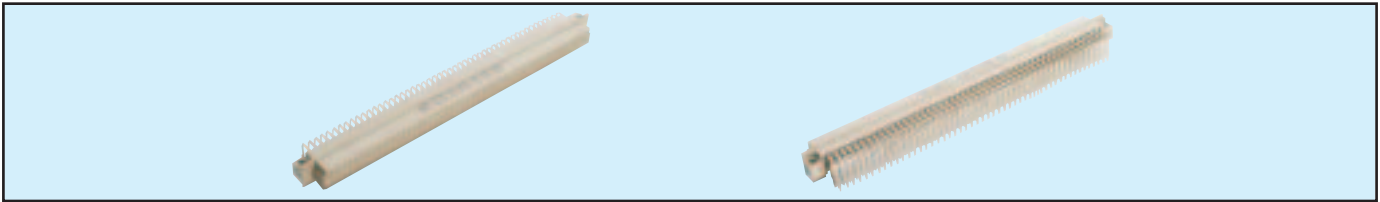
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
96	3 (3 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	90.0 (3.543)	94.89 (3.736)

Female Style R Expanded Press-Fit



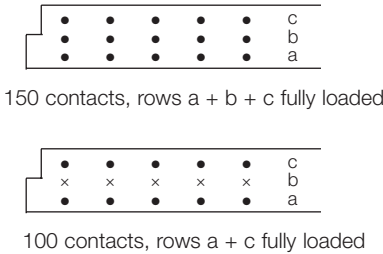
Series 8478 – 3 rows (3 x 50) Inverted



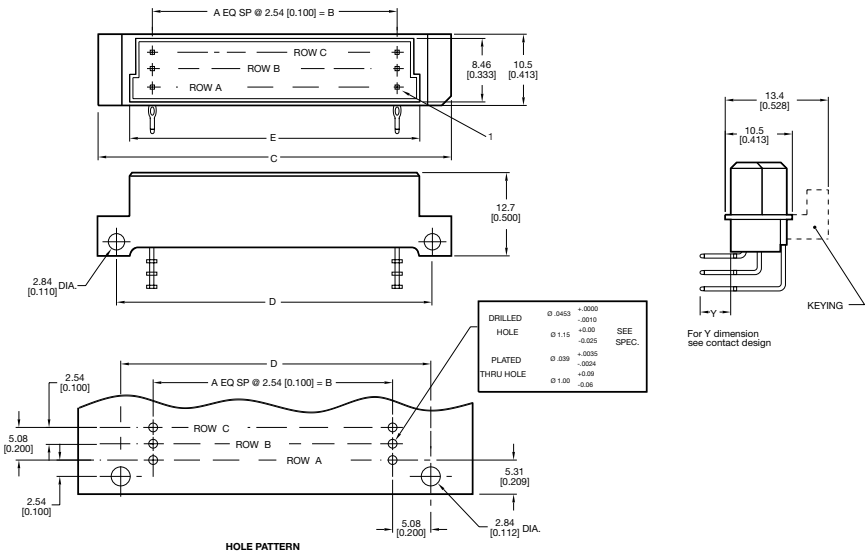
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled				
	150	a + b + c fully loaded	20 8478 150 001 025	20 8478 150 001 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Right Angled	100	a + c fully loaded	20 8478 150 001 026	20 8478 150 001 050
	150	a + b + c fully loaded	20 8478 150 031 025	20 8478 150 031 049
	100	a + c fully loaded	20 8478 150 031 026	20 8478 150 031 050

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Assembly Tool: 06 8478 8401 00 000 (see page 67)

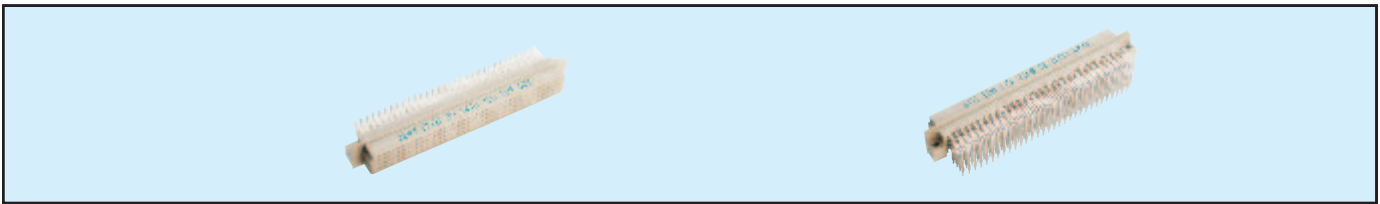
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
150	3 (3 x 50)	49	124.46 (4.900)	139.70 (5.500)	134.62 (5.300)	130.70 (5.145)

Female Style R Expanded Press-Fit



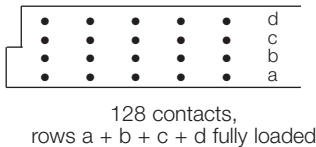
Series 8478 – 4 rows (4 x 32) Inverted



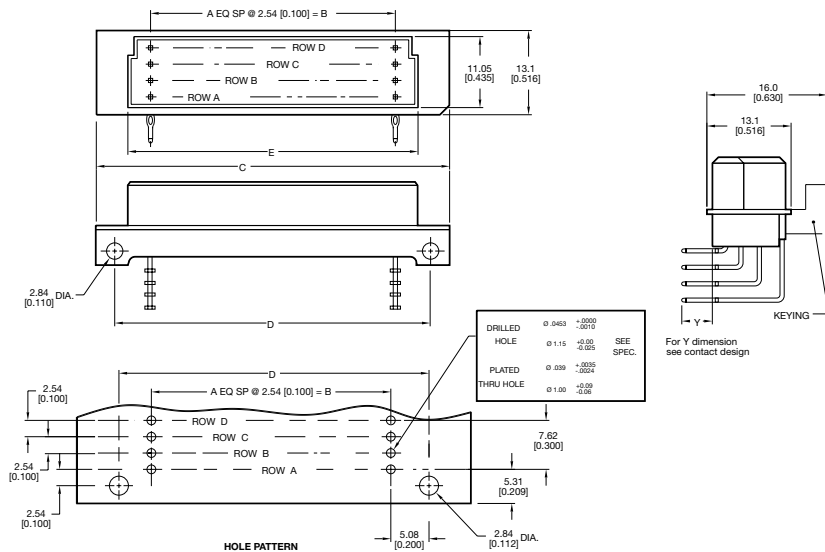
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled	128	a + b + c + d fully loaded	20 8478 128 001 025	20 8478 128 001 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Right Angled	128	a + b + c + d fully loaded	20 8478 128 031 025	20 8478 128 031 049

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Assembly Tool: 06 8478 8481 00 000 (see page 67)

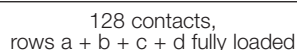
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
128	4 (4 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.91 (3.343)

The image shows two views of a 40-pin DIP (Dual In-line Package) integrated circuit. The package is a long, narrow, rectangular component with two rows of pins along its length. The top view shows the pins and the component's footprint, while the bottom view shows the underside of the package.

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.
Installed using Flat Rock method (see page 66)

DIMENSIONS



$\triangle$ denotes ground pin

Female Style R Expanded Press-Fit



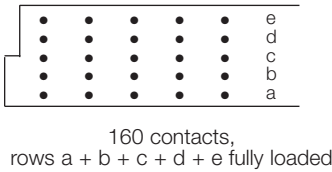
Series 8478 – 5 rows (5 x 32) Inverted



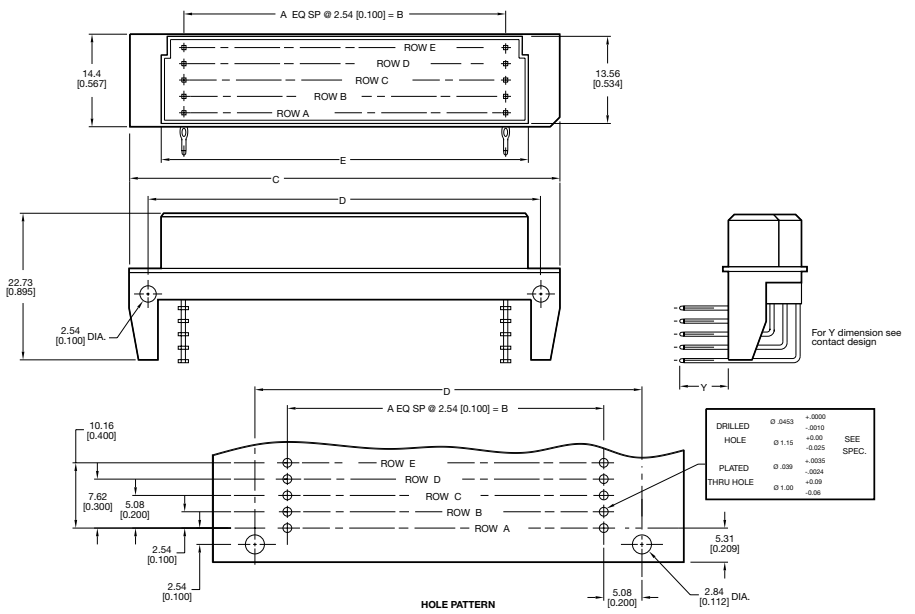
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Right Angled	 160	a + b + c + d + e fully loaded	20 8478 160 001 025	20 8478 160 001 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Right Angled	 160	a + b + c + d + e fully loaded	20 8478 160 031 025	20 8478 160 031 049
			please contact your local AVX sales office	

NB: Alternative Prefix Variations Available: 22, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Assembly Tool: 06 8478 8491 00 000 (see page 67)

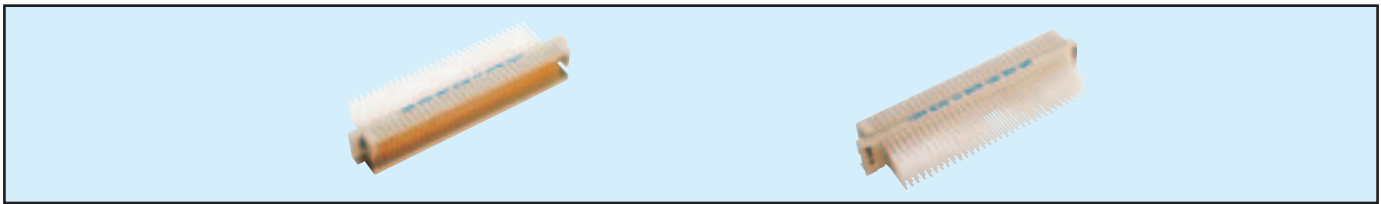
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
160	5 (5 x 32)	31	78.74 (3.100)	94.00 (3.700)	88.90 (3.500)	85.00 (3.346)

Male Style R Expanded Press-Fit



Series 8478 – 5 rows (5 x 32) Inverted



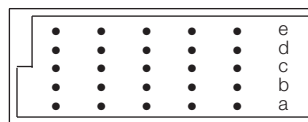
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 5.3 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 001 025	10 8478 160 001 049
	158 + 2	fully loaded + ground	10 8478 160 101 025	10 8478 160 101 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 9.3 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 002 025	10 8478 160 002 049
	158 + 2	fully loaded + ground	10 8478 160 102 025	10 8478 160 102 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 16.2 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 003 025	10 8478 160 003 049
	158 + 2	fully loaded + ground	10 8478 160 103 025	10 8478 160 103 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 18.2 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 004 025	10 8478 160 004 049
	158 + 2	fully loaded + ground	10 8478 160 104 025	10 8478 160 104 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 13.2 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 006 025	10 8478 160 006 049
	158 + 2	fully loaded + ground	10 8478 160 106 025	10 8478 160 106 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 23.2 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 007 025	10 8478 160 007 049
	158 + 2	fully loaded + ground	10 8478 160 107 025	10 8478 160 107 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 20.0 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 008 025	10 8478 160 008 049
	158 + 2	fully loaded + ground	10 8478 160 108 025	10 8478 160 108 049
for ≥ 2.4 mm PCB's 0.6 x 0.6 mm Post Profile 3.9 mm (Y) Straight				
	160	a + b + c + d + e fully loaded	10 8478 160 009 025	10 8478 160 009 049
	158 + 2	fully loaded + ground	10 8478 160 109 025	10 8478 160 109 049
for 1.6 mm PCB's 0.6 x 0.6 mm Post Profile 3.0 mm (Y) Straight				
	160	a + b + c + d fully loaded	10 8478 160 031 025	10 8478 160 031 049
	158 + 2	fully loaded + ground	10 8478 160 131 025	10 8478 160 131 049

NB: Alternative Prefix Variations Available: 21, 22 & 23, please refer to Page 10.

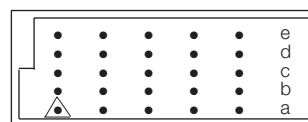
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

Installed using Flat Rock method (see page 66)

LOADING DESCRIPTION



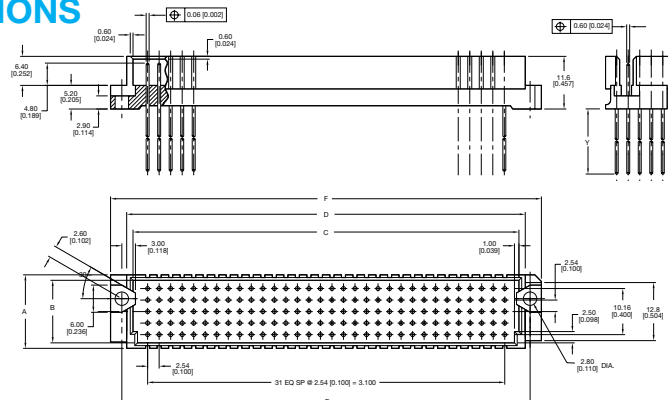
160 contacts,
rows a + b + c + d + e fully loaded



158 + 2 contacts, fully loaded
with ground in A1 & A32

△ denotes ground pin

DIMENSIONS



Unit: millimeters (inches)

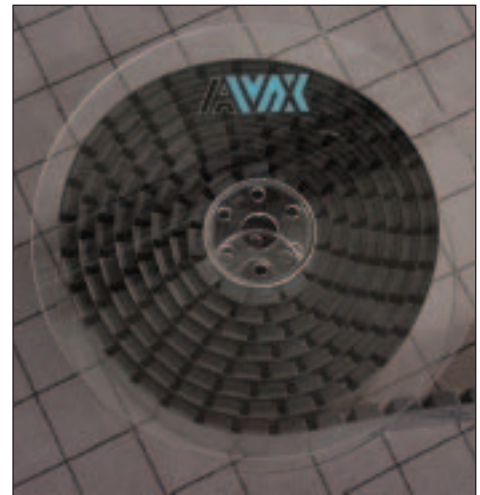
No. Contact Positions	Contact Rows	A	B	C	D	E	F
160	5 (5 x 32)	16.20 (0.638)	13.80 (0.543)	85.29 (3.358)	87.88 (3.460)	89.90 (3.539)	94.89 (3.736)

DIN41612 / EN60603-2

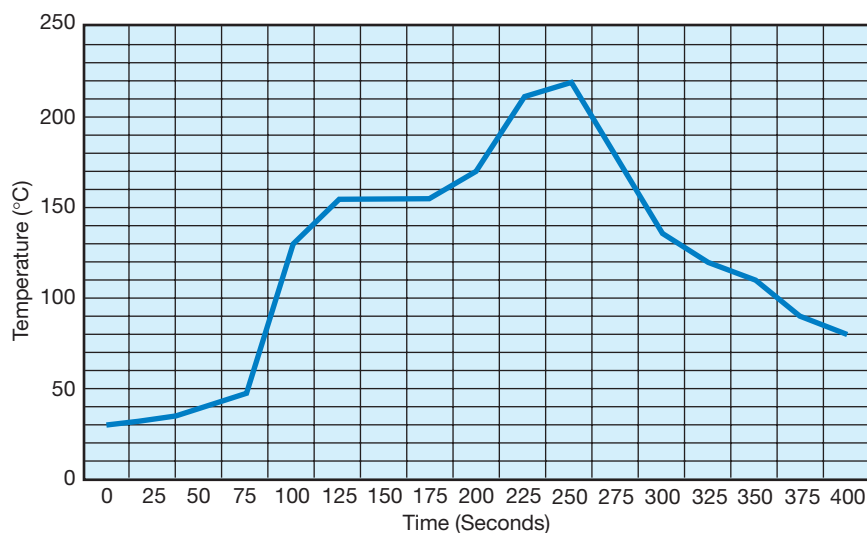
Connectors in THT Reflow Technology



- ☐ Molded in SMC polymers
- ☐ Unique design for fully automatic assembly
- ☐ Tape and reel packaging
- ☐ Fixing at PCB with retention clips
- ☐ Cost savings in assembly
- ☐ Infrared/Reflow/Vapor Phase Soldering Processes
- ☐ Standard Reflow Solder Profile up to 250°C



Reflow Solder Profile



Male Style 1/2 C High Temperature



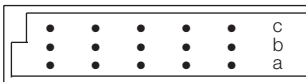
Series 8557 – 3 rows (3 x 16)



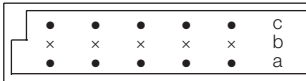
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	48	a + b + c fully loaded	10 8557 048 001 025	10 8557 048 001 049
	32	a + c fully loaded	10 8557 048 001 026	10 8557 048 001 050
	16	a loading only	10 8557 048 001 027	10 8557 048 001 051
3.0 mm (Y) Right Angled	48	a + b + c fully loaded	10 8557 048 002 025	10 8557 048 002 049
	32	a + c fully loaded	10 8557 048 002 026	10 8557 048 002 050
	16	a loading only	10 8557 048 002 027	10 8557 048 002 051
	46 + 2	fully loaded + ground	10 8557 048 102 025	10 8557 048 102 049
2.3 mm (Y) Right Angled	48	a + b + c fully loaded	10 8557 048 008 025	10 8557 048 008 049
	32	a + c fully loaded	10 8557 048 008 026	10 8557 048 008 050
	16	a loading only	10 8557 048 008 027	10 8557 048 008 051

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

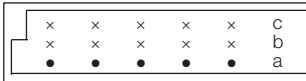
LOADING DESCRIPTION



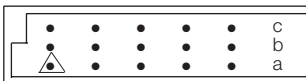
48 contacts, rows a + b + c fully loaded



32 contacts, rows a + c fully loaded



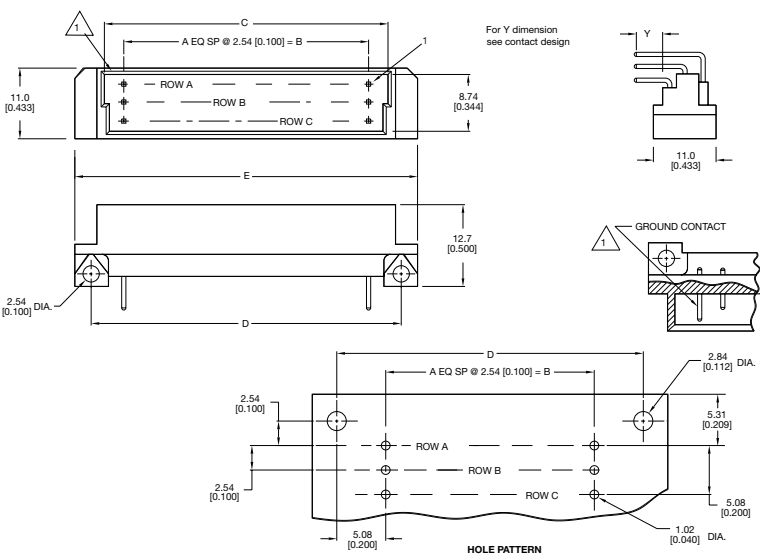
16 contacts, row a loading only



46 + 2 contacts, fully loaded with ground in A1 & A16

△ denotes ground pin

DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	15	38.10 (1.500)	44.70 (1.760)	48.26 (1.900)	53.90 (2.122)

Female Style 1/2 C High Temperature

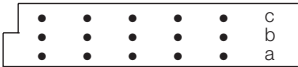
Series 8557 – 3 rows (3 x 16)



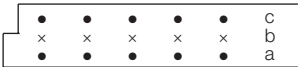
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 4.5 mm (Y) Straight 	48	a + b + c fully loaded	20 8557 048 001 025	20 8557 048 001 049
	32	a + c fully loaded	20 8557 048 001 026	20 8557 048 001 050
	16	a loading only	20 8557 048 001 027	20 8557 048 001 051
0.6 x 0.6 mm Post Profile 2.9 mm (Y) Straight 	48	a + b + c fully loaded	20 8557 048 002 025	20 8557 048 002 049
	32	a + c fully loaded	20 8557 048 002 026	20 8557 048 002 050
	16	a loading only	20 8557 048 002 027	20 8557 048 002 051

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

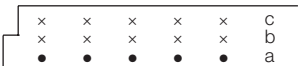
LOADING DESCRIPTION



48 contacts, rows a + b + c fully loaded

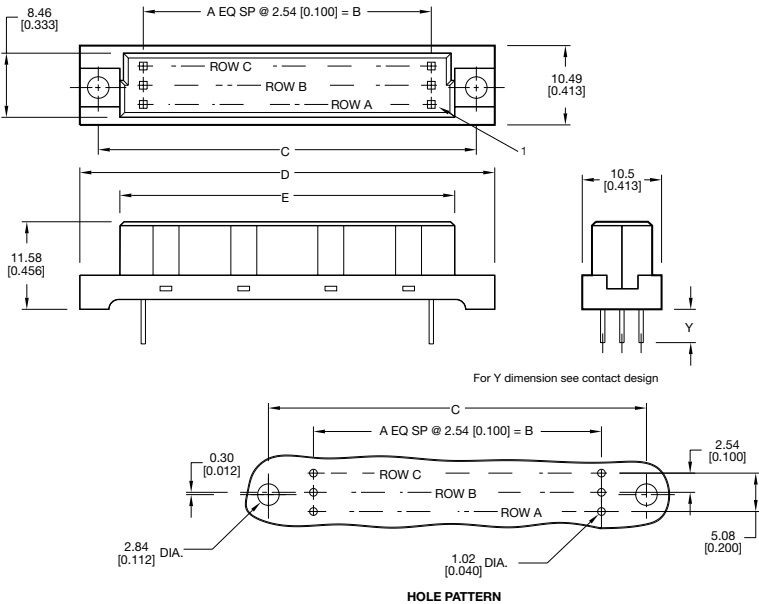


32 contacts, rows a + c fully loaded



16 contacts, row a loading only

DIMENSIONS

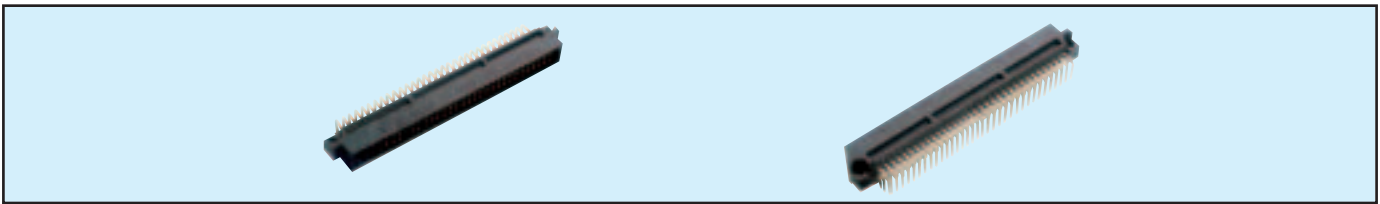


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
48	3 (3 x 16)	15	38.10 (1.500)	50.00 (1.969)	54.89 (2.161)	44.30 (1.744)

Male Style C High Temperature

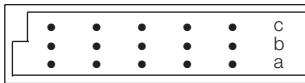
Series 8557 – 3 rows (3 x 32)



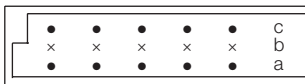
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
3.4 mm (Y) Straight	96	a + b + c fully loaded	10 8557 096 001 025	10 8557 096 001 049
	64	a + c fully loaded	10 8557 096 001 026	10 8557 096 001 050
	32	a + c even loading	10 8557 096 001 033	10 8557 096 001 057
	32	a loading only	10 8557 096 001 027	10 8557 096 001 051
3.0 mm (Y) Right Angled	96	a + b + c fully loaded	10 8557 096 002 025	10 8557 096 002 049
	64	a + c fully loaded	10 8557 096 002 026	10 8557 096 002 050
	32	a + c even loading	10 8557 096 002 033	10 8557 096 002 057
	32	a loading only	10 8557 096 002 027	10 8557 096 002 051
	94 + 2	fully loaded + ground	10 8557 096 101 025	10 8557 096 101 049
2.3 mm (Y) Right Angled	96	a + b + c fully loaded	10 8557 096 008 025	10 8557 096 008 049
	64	a + c fully loaded	10 8557 096 008 026	10 8557 096 008 050
	32	a + c even loading	10 8557 096 008 033	10 8557 096 008 057
	32	a loading only	10 8557 096 008 027	10 8557 096 008 051

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

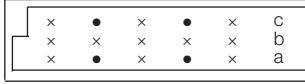
LOADING DESCRIPTION



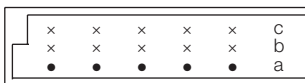
96 contacts, rows a + b + c fully loaded



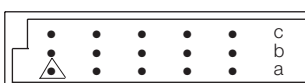
64 contacts, rows a + c fully loaded



32 contacts, rows a + c even loading



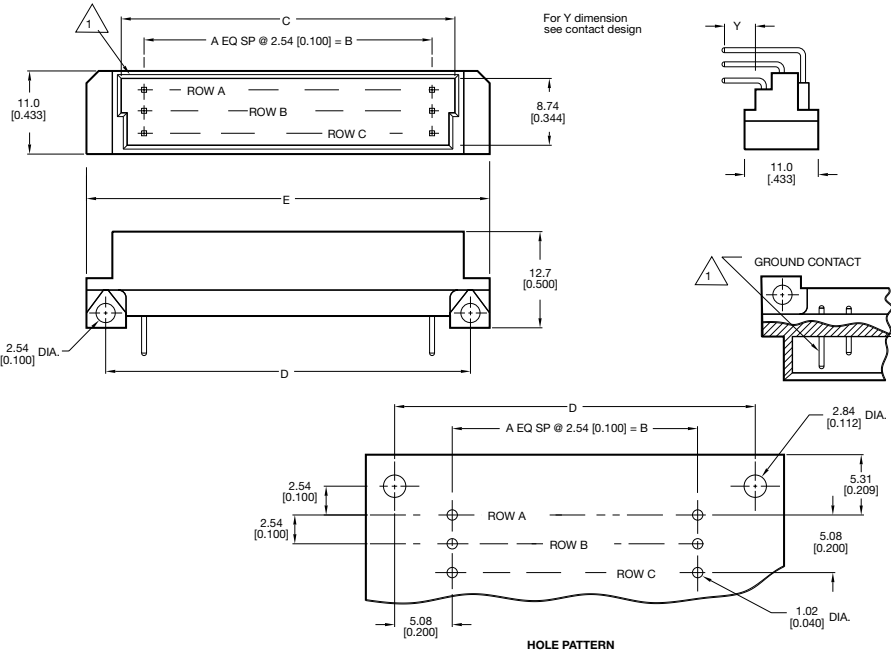
32 contacts, row a loading only



94 + 2 contacts, fully loaded with ground in A1 & A32

△ denotes ground pin

DIMENSIONS

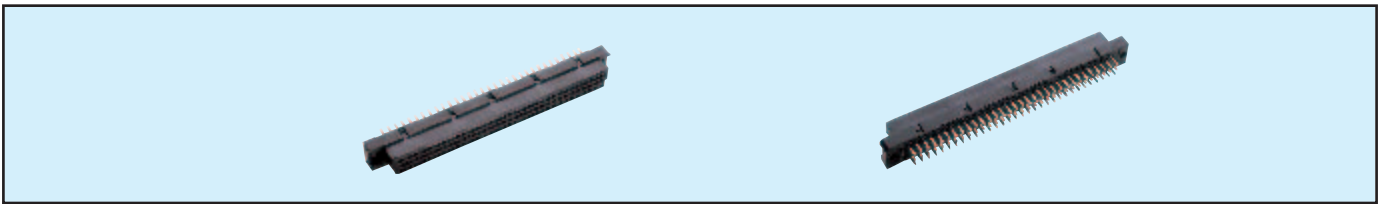


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
96	3 (3 x 32)	31	78.74 (3.100)	85.29 (3.358)	88.90 (3.500)	93.90 (3.697)

Female Style C High Temperature

Series 8557 – 3 rows (3 x 32)



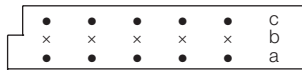
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
 0.6 x 0.6 mm Post Profile 4.5 mm (Y) Straight	96	a + b + c fully loaded	20 8557 096 001 025	20 8557 096 001 049
	64	a + c fully loaded	20 8557 096 001 026	20 8557 096 001 050
	32	a + c even loading	20 8557 096 001 033	20 8557 096 001 057
	32	a loading only	20 8557 096 001 027	20 8557 096 001 051
 0.6 x 0.6 mm Post Profile 2.9 mm (Y) Straight	96	a + b + c fully loaded	20 8557 096 002 025	20 8557 096 002 049
	64	a + c fully loaded	20 8557 096 002 026	20 8557 096 002 050
	32	a + c even loading	20 8557 096 002 033	20 8557 096 002 057
	32	a loading only	20 8557 096 002 027	20 8557 096 002 051

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

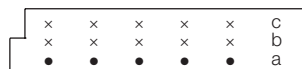
LOADING DESCRIPTION



96 contacts, rows a + b + c fully loaded



64 contacts, rows a + c fully loaded

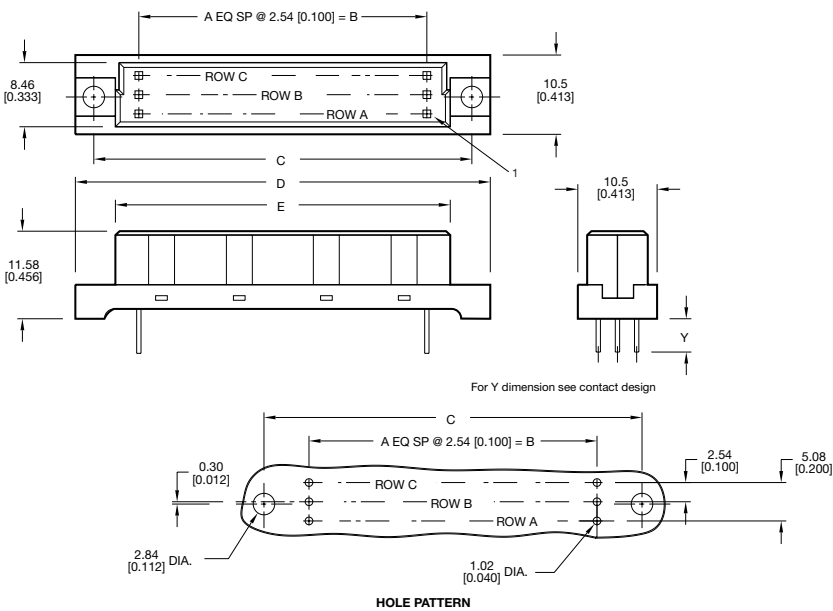


32 contacts, row a loading only



32 contacts, rows a + c even loading

DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E
96	3 (3 x 32)	31	78.74 (3.100)	90.00 (3.543)	94.89 (3.736)	84.91 (3.343)

Female Style 1/2 R High Temperature

Series 8577 – 3 rows (3 x 16) Inverted



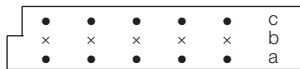
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	48	a + b + c fully loaded	20 8577 048 002 025	20 8577 048 002 049
	32	a + c fully loaded	20 8577 048 002 026	20 8577 048 002 050
	16	a + c even loading	20 8577 048 002 033	20 8577 048 002 057
	16	a loading only	20 8577 048 002 027	20 8577 048 002 051
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled 	48	a + b + c fully loaded	20 8577 048 006 025	20 8577 048 006 049
	32	a + c fully loaded	20 8577 048 006 026	20 8577 048 006 050
	16	a + c even loading	20 8577 048 006 033	20 8577 048 006 057
	16	a loading only	20 8577 048 006 027	20 8577 048 006 051

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

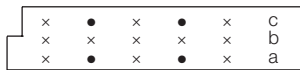
LOADING DESCRIPTION



48 contacts, rows a + b + c fully loaded



32 contacts, rows a + c fully loaded

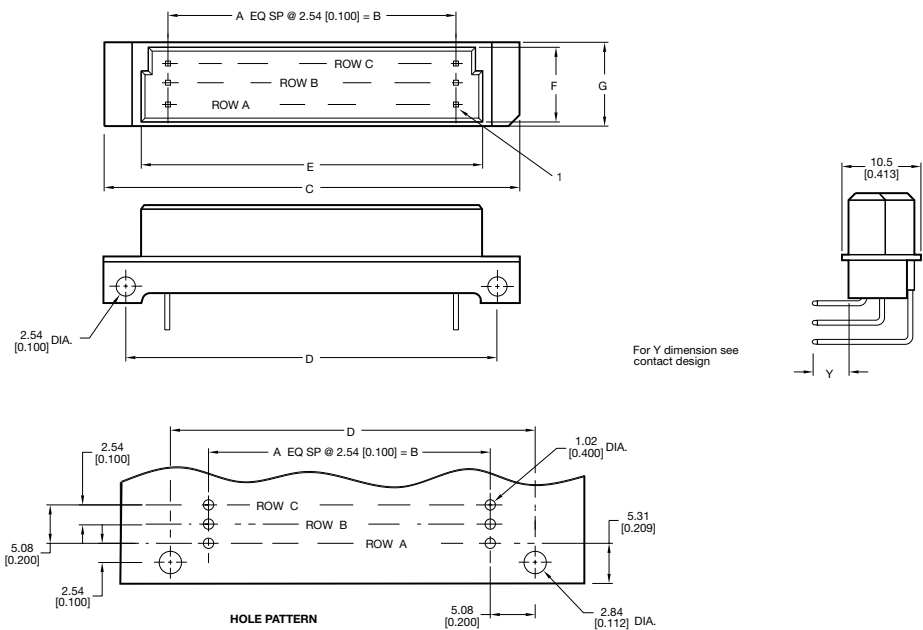


16 contacts, rows a + c even loading



16 contacts, rows a loading only

DIMENSIONS



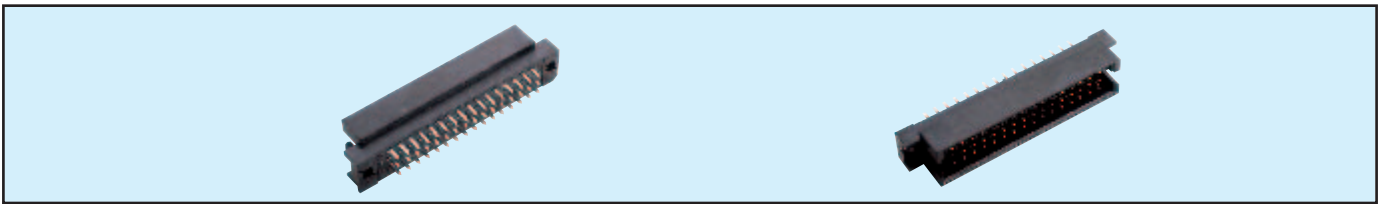
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
48	3 (3 x 16)	15	38.10 (1.500)	53.90 (2.122)	48.26 (1.900)	44.30 (1.744)	8.48 (0.334)	10.50 (0.413)

Male Style 1/2 R High Temperature



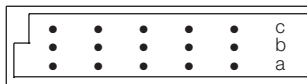
Series 8577 – 3 rows (3 x 16) Inverted



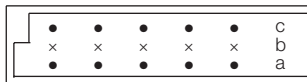
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
2.9 mm (Y) Straight			II	I
			10 8577 048 001 025	10 8577 048 001 049
			10 8577 048 001 026	10 8577 048 001 050
			10 8577 048 001 033	10 8577 048 001 057
			10 8577 048 001 027	10 8577 048 001 051
4.5 mm (Y) Straight			10 8577 048 101 025	10 8577 048 101 049
			10 8577 048 002 025	10 8577 048 002 049
			10 8577 048 002 026	10 8577 048 002 050
			10 8577 048 002 033	10 8577 048 002 057
			10 8577 048 002 027	10 8577 048 002 051
			10 8577 048 102 025	10 8577 048 102 049

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

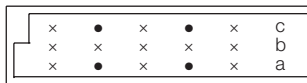
LOADING DESCRIPTION



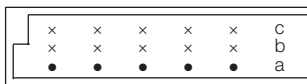
48 contacts, rows a + b + c fully loaded



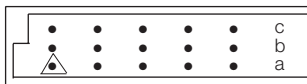
32 contacts, rows a + c fully loaded



16 contacts, rows a + c even loading



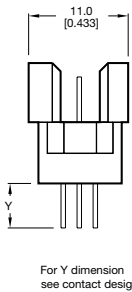
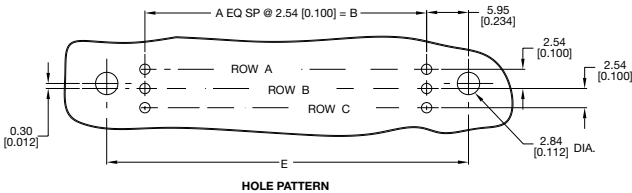
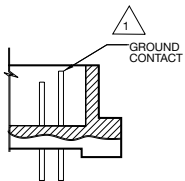
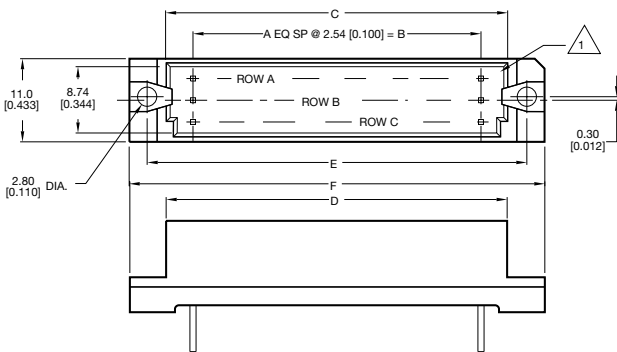
16 contacts, row a loading only



46 + 2 contacts, fully loaded with ground in A1 & A16

△ denotes ground pin

DIMENSIONS



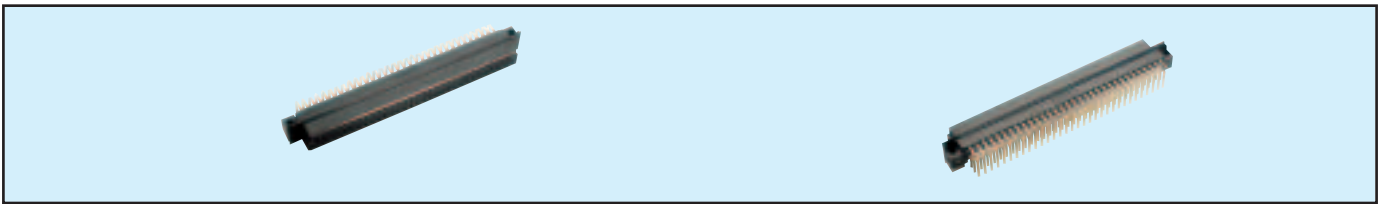
For Y dimension see contact design

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
48	3 (3 x 16)	15	38.10 (1.500)	44.70 (1.760)	47.29 (1.862)	49.99 (1.968)	54.91 (2.162)

Female Style R High Temperature

Series 8577 – 3 rows (3 x 32) Inverted



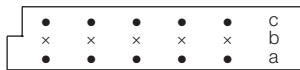
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	96	a + b + c fully loaded	20 8577 096 002 025	20 8577 096 002 049
	64	a + c fully loaded	20 8577 096 002 026	20 8577 096 002 050
	32	a + c even loading	20 8577 096 002 033	20 8577 096 002 057
	32	a loading only	20 8577 096 002 027	20 8577 096 002 051
0.3 x 0.79 mm Post Profile 3.0 mm (Y) Right Angled 	96	a + b + c fully loaded	20 8577 096 006 025	20 8577 096 006 049
	64	a + c fully loaded	20 8577 096 006 026	20 8577 096 006 050
	32	a + c even loading	20 8577 096 006 033	20 8577 096 006 057
	32	a loading only	20 8577 096 006 027	20 8577 096 006 051

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
 Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

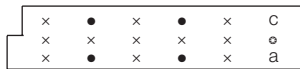
LOADING DESCRIPTION



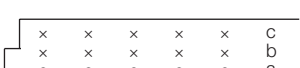
96 contacts, rows a + b + c fully loaded



64 contacts, rows a + c fully loaded

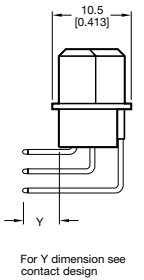
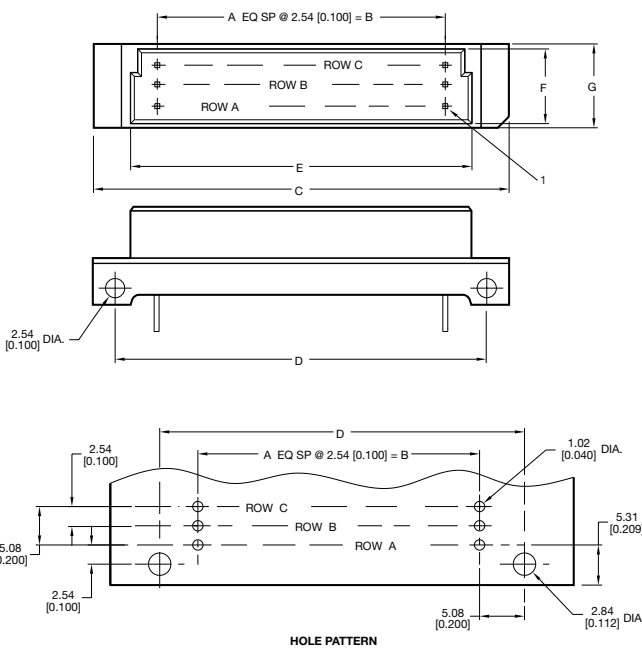


32 contacts, rows a + c even loading



32 contacts, rows a loading only

DIMENSIONS



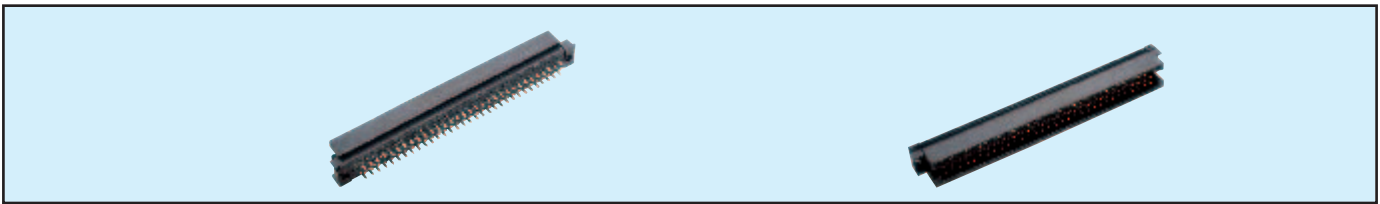
For Y dimension see contact design

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
96	3 (3 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.90 (3.343)	8.48 (0.334)	10.50 (0.413)

Male Style R High Temperature

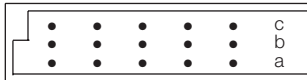
Series 8577 – 3 rows (3 x 32) Inverted



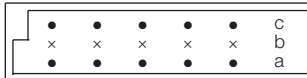
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
2.9 mm (Y) Straight 	96	a + b + c fully loaded	10 8577 096 001 025	10 8577 096 001 049
	64	a + c fully loaded	10 8577 096 001 026	10 8577 096 001 050
	32	a + c even loading	10 8577 096 001 033	10 8577 096 001 057
	32	a loading only	10 8577 096 001 027	10 8577 096 001 051
	46 + 2	fully loaded + ground	10 8577 096 101 025	10 8577 096 101 049
4.5 mm (Y) Straight 	48	a + b + c fully loaded	10 8577 096 002 025	10 8577 096 002 049
	32	a + c fully loaded	10 8577 096 002 026	10 8577 096 002 050
	16	a + c even loading	10 8577 096 002 033	10 8577 096 002 057
	16	a loading only	10 8577 096 002 027	10 8577 096 002 051
	46 + 2	fully loaded + ground	10 8577 096 102 025	10 8577 096 102 049

NB: Alternative Prefix Variations Available: 16, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

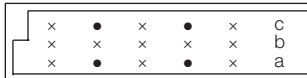
LOADING DESCRIPTION



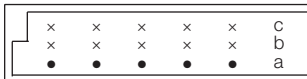
96 contacts, rows a + b + c fully loaded



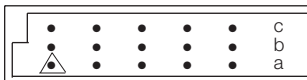
64 contacts, rows a + c fully loaded



32 contacts, rows a + c even loading



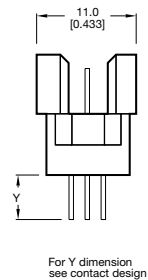
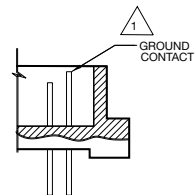
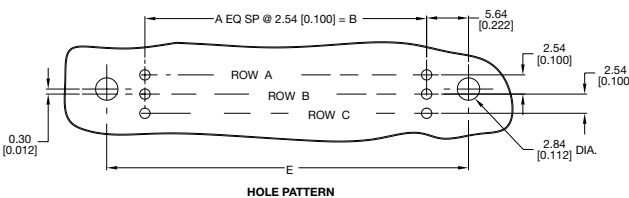
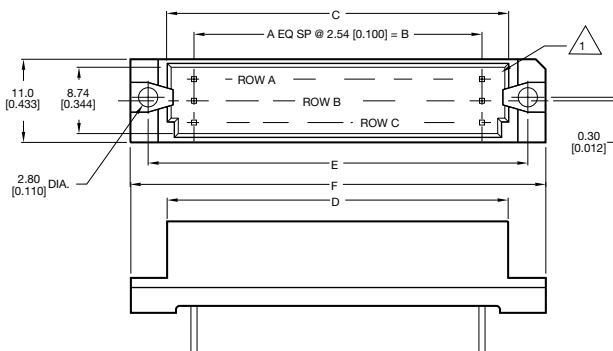
32 contacts, row a loading only



96 + 2 contacts, fully loaded with ground in A1 & A32

△ denotes ground pin

DIMENSIONS



For Y dimension see contact design

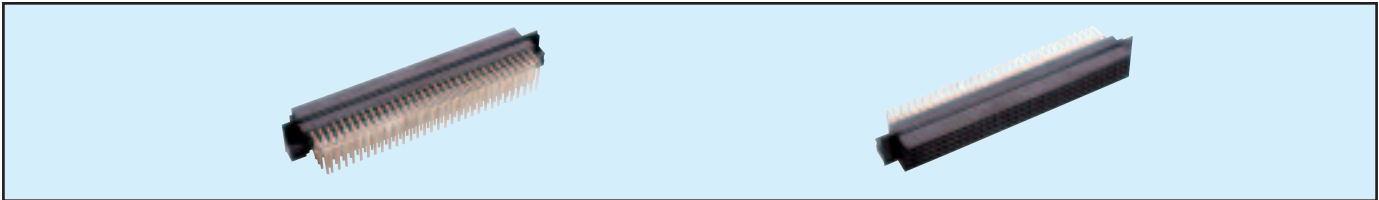
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
96	3 (3 x 32)	31	78.74 (3.100)	85.29 (3.358)	87.91 (3.461)	90.00 (3.543)	94.89 (3.736)

Female Style R

Expanded High Temperature

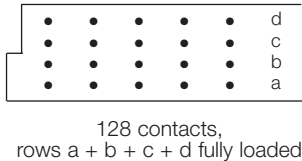
Series 8577 – 4 rows (4 x 32) Inverted



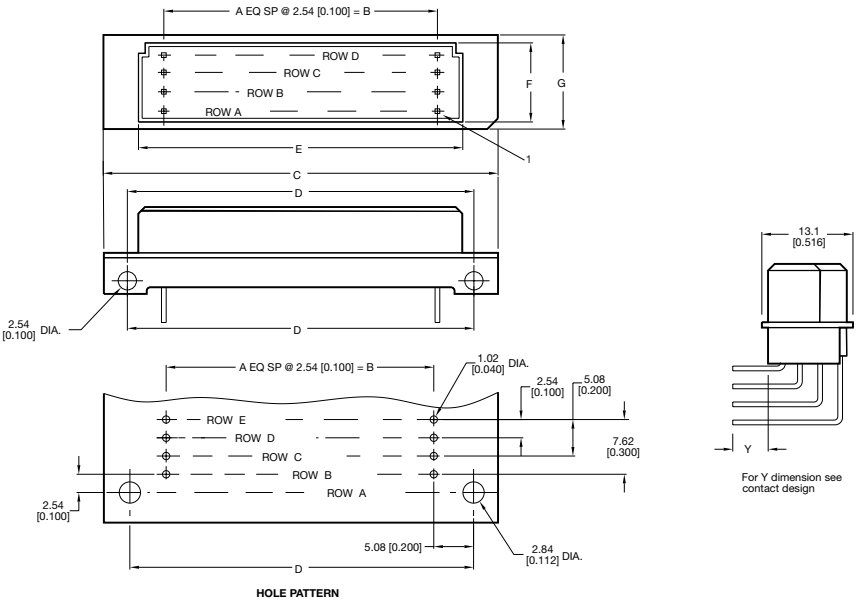
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	128	a + b + c + d fully loaded	20 8577 128 002 025	20 8577 128 002 049
0.6 x 0.6 mm Post Profile 3.0 mm (Y) Right Angled 	128	a + b + c + d fully loaded	20 8577 128 006 025	20 8577 128 006 049

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



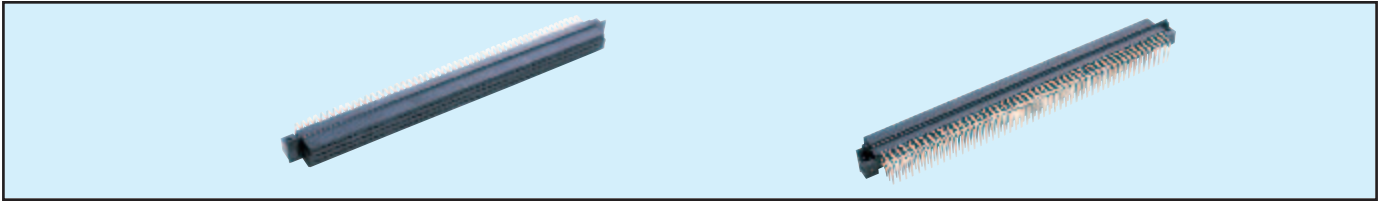
Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F	G
128	4 (4 x 32)	31	78.74 (3.100)	93.90 (3.697)	88.90 (3.500)	84.90 (3.343)	11.10 (0.437)	13.10 (0.516)

Female Style R

Expanded High Temperature

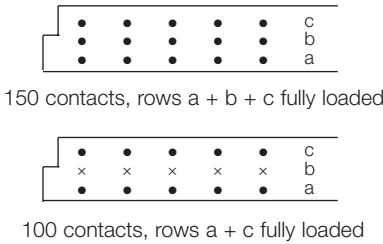
Series 8577 – 3 rows (3 x 50) Inverted



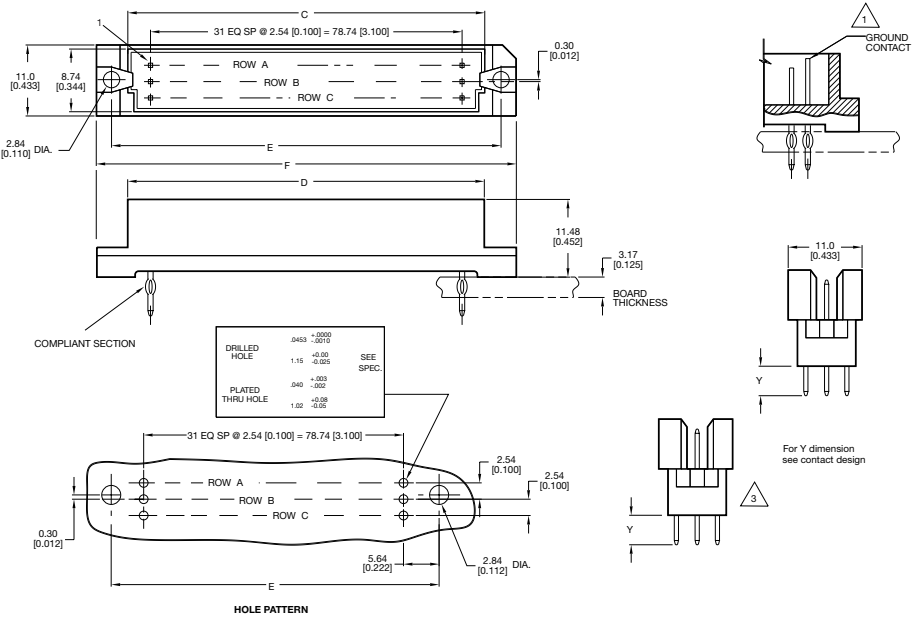
Contact Design and Termination Length	Number of Contacts	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
0.6 x 0.6 mm Post Profile 	150	a + b + c fully loaded	20 8577 150 001 025	20 8577 150 001 049
2.8 mm (Y) Right Angled	100	a + c fully loaded	20 8577 150 001 026	20 8577 150 001 050

NB: Alternative Prefix Variations Available: 26, please refer to Page 10.
Additional Plating & Loading Variations: Please contact your local AVX sales office or distributor.

LOADING DESCRIPTION



DIMENSIONS



Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	E	F
150	3 (3 x 50)	49	125.50 (4.941)	130.90 (5.154)	133.60 (5.260)	135.70 (5.343)	140.60 (5.536)

Female Style 1/2 C IDC

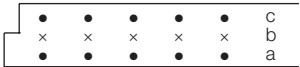


Series 8459 – 3 rows (3 x 16)



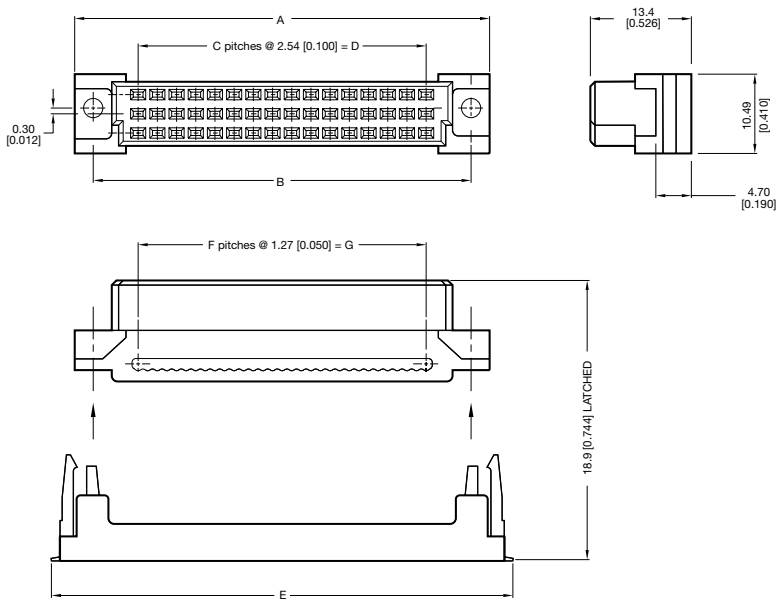
Variation	Number of Contacts Cavities	Loading Description	Part Number Performance classes according to DIN 41612	
			II	I
With strain relief	48	a + c fully loaded	20 8459 048 001 026	20 8459 048 001 050
Without strain relief	48	a + c fully loaded	20 8459 048 002 026	20 8459 048 002 050

LOADING DESCRIPTION



48 contacts, rows a + c fully loaded

DIMENSIONS

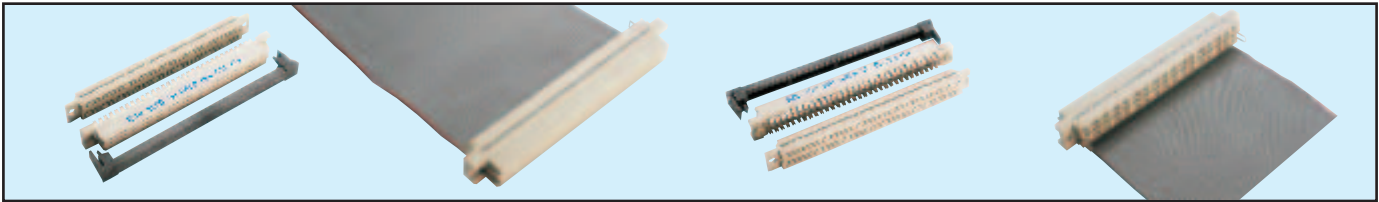


Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	F	G	H
48	3 (3 x 16)	54.90 (2.161)	50.00 (1.968)	15.00 (0.591)	38.10 (1.500)	60.00 (2.362)	31.00 (1.220)	39.37 (1.550)

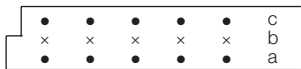
Female Style C IDC

Series 8459 – 3 rows (3 x 32)



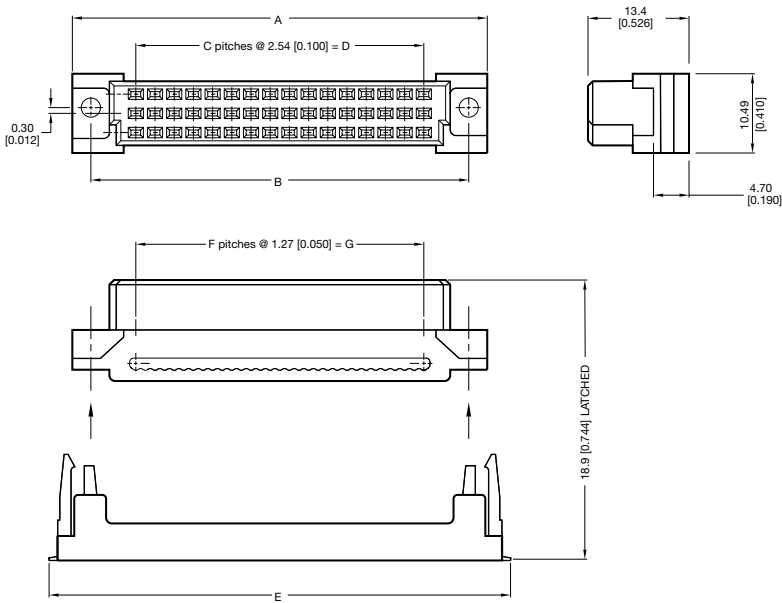
Variation	Number of Contacts Cavities	Loading Description	Part Number	
			Performance classes according to DIN 41612	
			II	I
With strain relief	96	a + c fully loaded	20 8459 096 001 026	20 8459 096 001 050
Without strain relief	96	a + c fully loaded	20 8459 096 002 026	20 8459 096 002 050

LOADING DESCRIPTION



96 contacts, rows a + c fully loaded

DIMENSIONS



Note: Cable Pitch 1.27mm (0.050)

Unit: millimeters (inches)

No. Contact Positions	Contact Rows	A	B	C	D	F	G	H
96	3 (3 x 32)	94.90 (3.736)	90.00 (3.543)	31.00 (1.220)	78.74 (3.100)	100.00 (3.937)	63.00 (2.480)	80.01 (3.150)

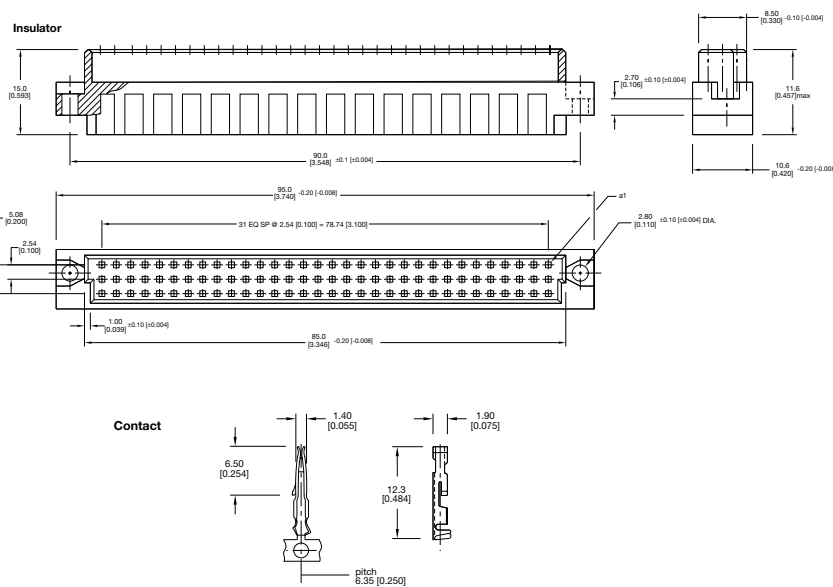
Female Style C Crimp

Series 8464 – 3 rows (3 x 32)



Contact Design	Number of Contacts	Loading Description	Part Number
Crimp	96	Insulator without keying	20 8464 096 001 000
	96	Insulator with keying	22 8464 096 001 000
		Contacts for 8464 on 10K reel	60 8464 0213 99 742
		Loose contacts for 8464	60 8464 0213 00 742
Tools		Hand tool (with insert)	06 8464 0101 00 000
		Crimping machine including applicator	06 7865 5200 00 000
		Extraction tool	06 8464 8101 00 000

DIMENSIONS



AVX 3-row, 96 contact position receptacle connector with crimp contacts follows the pattern of the DIN 41612 standard. The innovative contact principle assures reliable electrical connection even under extreme conditions.

The crimps are individually terminated and inserted into the housing. With the use of an extraction tool, the contact can be removed from the housing for inspection or repair.

Main applications are as an input/output connector on backpanels or rack frontside.

A complete tool program is available, from hand crimp to automatic crimping machines.

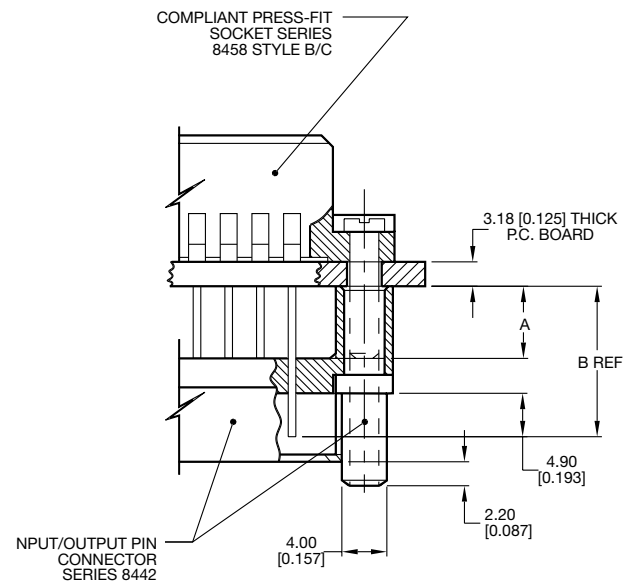
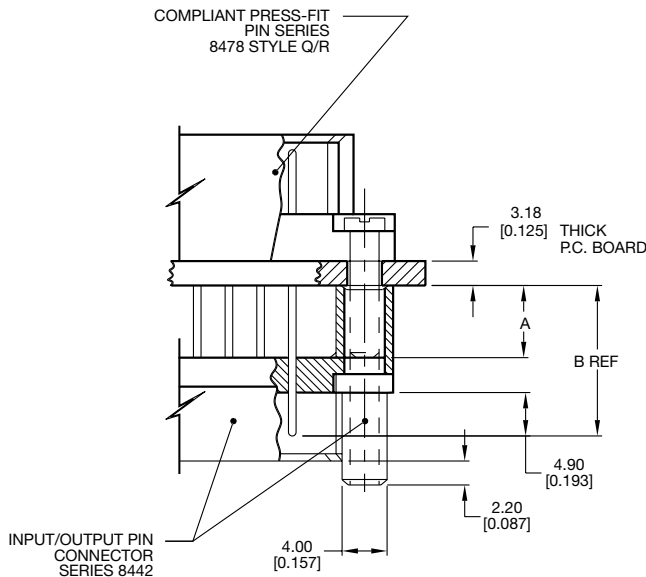
TECHNICAL DATA

Operating Current	1.5 amp max.
Operation Voltage	300 V/AC/470 V/DC
Contact Resistance	≤ 15Ω
Dielectric Resistance	≥ 1012Ω
Insulation Material	Polyester 94 V-0 UL
Contact Material	Cu-alloy
Plating	Performance Class III
Crimp AWG Range	24 - 28
Grid Spacing	0.100 (2.54)

Input/Output Shroud



3 rows (3 x 32) or 4 rows (4 x 32)



SHROUD WITH LOCKING HARDWARE ORDERING CODE

Typical Example **00 8442 096 0X 0000**

Prefix _____
Series _____
Number of Contact Positions _____

No. of Positions	Contact Rows
96	3 (3 x 32)
128	4 (4 x 32)

Variation Code _____

A	B Ref.	Variation Code No.
2.00 (0.079)	13.20 (0.520)	01 0000
7.00 (0.276)	18.20 (0.716)	02 0000
12.00 (0.472)	23.20 (0.913)	03 0000



SHROUD WITHOUT LOCKING HARDWARE ORDERING CODE

Typical Example **60 8442 XXX4 00 000**

Prefix _____
Series _____
"B" Dimensions _____

No. of Positions	B Ref.	Variation Code No.
96	13.20 (0.520)	3014
96	18.20 (0.716)	3024
96	23.20 (0.913)	3034

Variation Code _____

Includes threaded bushing (M2.5 thread)

8237 Cover Assembly for 8457 Header & Receptacle (96 Position)

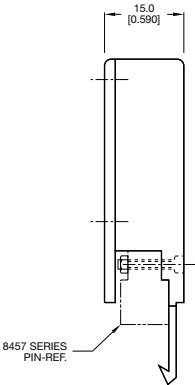


Cover Assembly for 8457 Pin Series, 96-Pin only

No. Req'd.	No. Req'd.	No. Req'd.	No. Req'd.	Item No.	Component Number	Description
2	2	2	2	7	Per DIN 934	M 2.3 Hexagon nut
2	2	2	2	6	Per DIN 84	M 2.3 x 10 slotted fillister hd. screw
4	4	4	4	5	Per DIN 7972	B 2.2 x 6.5 slotted flat HD screw
8	6	4	2	4	Per DIN 84	M 3 x 10 fillister slotted hd. screw
4	3	2	1	3	60 8237 4515 00 000	Clamp
1	1	1	1	2	60 8237 4420 00 000	Lid
1	1	1	1	1	60 8237 4330 00 000	Cover

30 8237 9610 00 300	30 8237 9610 00 200	30 8237 9610 00 100	30 8237 9610 00 000
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ORDERING
CODE



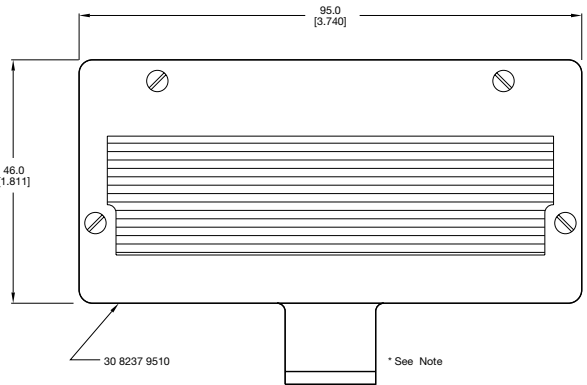
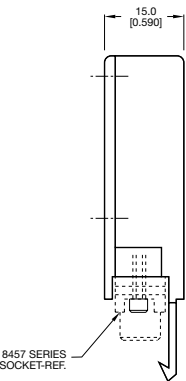
For a Cover without a latch order part number 30 8237 9810 01 100

Cover Assembly for 8457 Socket Series, 96-Pin only

No. Req'd.	No. Req'd.	No. Req'd.	No. Req'd.	Item No.	Component Number	Description
2	2	2	2	6	Per DIN 7971	B 2.2 x 9.5 slotted pan hd. screw
4	4	4	4	5	Per DIN 7972	B 2.2 x 6.5 slotted flat hd. screw
8	6	4	2	4	Per DIN 84	M 3 x 10 fillister slotted hd. screw
4	3	2	1	3	60 8237 4515 00 000	Clamp
1	1	1	1	2	60 8237 4220 00 000	Lid
1	1	1	1	1	60 8237 4120 00 000	Cover

30 8237 9510 00 300	30 8237 9510 00 200	30 8237 9510 00 100	30 8237 9510 00 000
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ORDERING
CODE



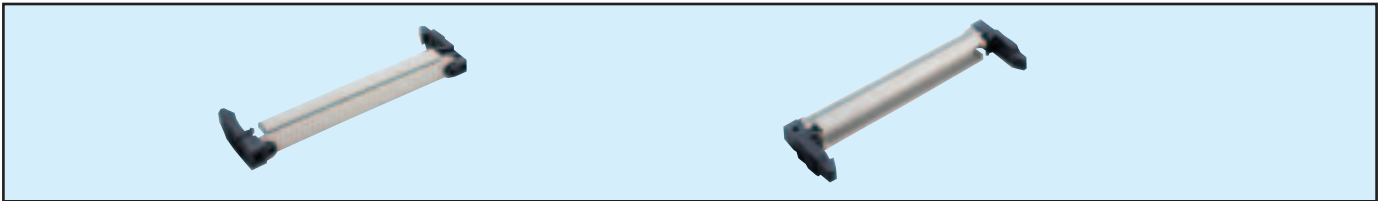
For a Cover without a latch order part number 30 8237 9510 01 100

The cover is capable of housing crimp or IDC connectors. It is available with an RFI/EMI shield on the inner faces of the cover.

Style R & 1/2 R Ejector/Latch For Header



Series 2521



ORDERING CODE

95-2521-90-01-03-000

(2 Required per Connector)

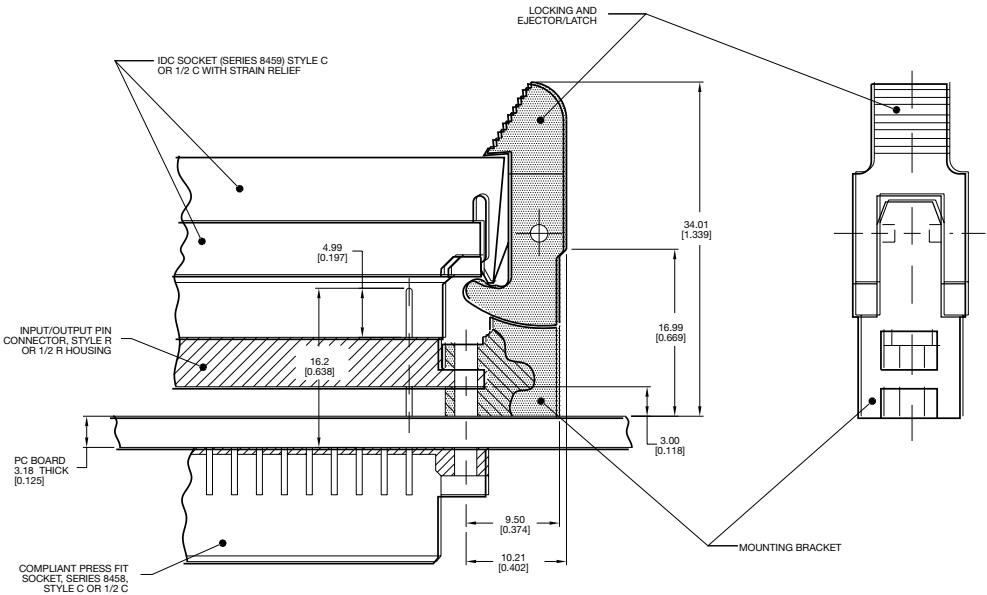
INSULATOR HOUSING PART NUMBER

60-8477-3027-00-000

Style R or

60-8477-4724-00-000

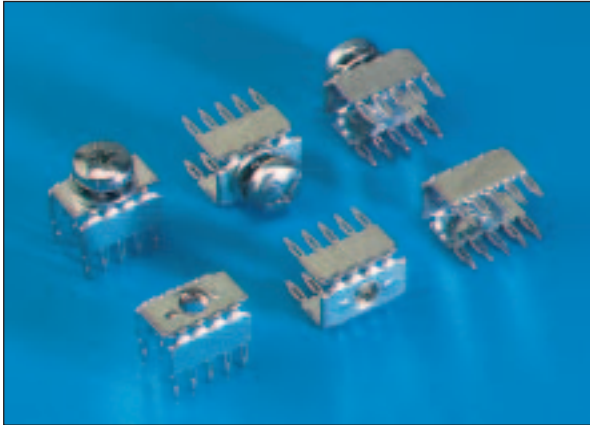
Style 1/2 R



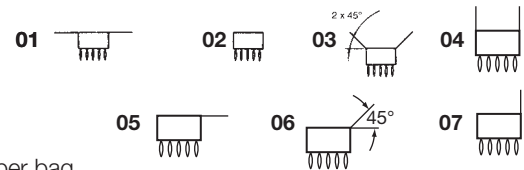
Power Pack Connectors



Series 2525



- Efficient system for high current distribution in backplane applications
- Press-in element for power connection for P.C. boards
- VARIPIN™ press-fit design
- 30A current rating
- Several different connection versions available
- Suitable for circuit boards with .063 (1.6mm) minimum thickness
- Plating SnPb over Ni



37 2525 0213 01 001 = M4 thread, with flat tabs, with hardware 1 set per bag
37 2525 0213 01 050 = M4 thread, with flat tabs, with hardware 50 pcs in 1 bag

37 2525 0213 02 001 = M4 thread, without tabs, with hardware 1 set per bag
37 2525 0213 02 050 = M4 thread, without tabs, with hardware 50 pcs in 1 bag

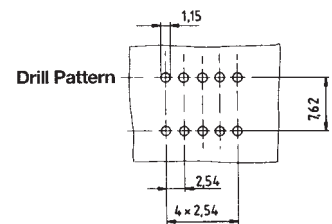
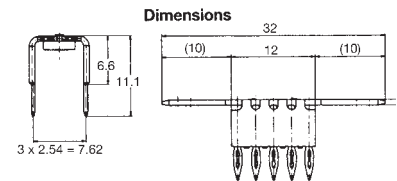
37 2525 0213 03 001 = M4 thread, with 45 degree tabs, with hardware 1 set per bag
37 2525 0213 03 050 = M4 thread, with 45 degree tabs, with hardware 50 pcs in 1 bag

37 2525 0213 04 001 = M4 thread, with 90 degree tabs, with hardware 1 set per bag
37 2525 0213 04 050 = M4 thread, with 90 degree tabs, with hardware 50 pcs in 1 bag

37 2525 0213 05 001 = M4 thread, with 1 flat tab, with hardware 1 set per bag
37 2525 0213 05 050 = M4 thread, with 1 flat tab, with hardware 50 pcs in 1 bag

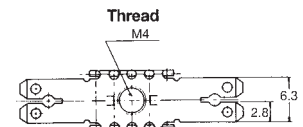
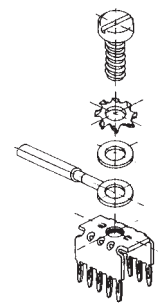
37 2525 0213 06 001 = M4 thread, with 1 tab 45 degree, with hardware 1 set per bag
37 2525 0213 06 050 = M4 thread, with 1 tab 45 degree, with hardware 50 pcs in 1 bag

37 2525 0213 07 001 = M4 thread, with 1 tab 90 degree, with hardware 1 set per bag
37 2525 0213 07 050 = M4 thread, with 1 tab 90 degree, with hardware 50 pcs in 1 bag



Connection

Screw, washer, and keyed washer are included in the 37-set.



Other Products within the Connector Portfolio



Automotive Connectors

Board to Board Connectors – SMT and Thru-Hole

Card Edge

Custom Designed Connectors

Customized Backpanel, Racking and Harnessing Services

FFC/FPC

Insulation Displacement Connectors

I/O Connectors

Memory Card Headers and Sockets

MOBO™, I/O, Board to Board and Battery Connectors

Post and Box, 2.54mm Board to Board Connectors

Torsion, 2.0mm and 1.27mm Board to Board Connectors

Wire to Board-Crimp and IDC

Please contact your sales office for further details on AVX Connectors and Passive Components.

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Connector Guide



2mm Hard Metric Connectors



Varicon



FFC/FPC Connectors



Memory Card Components



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FAX: 602-678-0385

AVX Southeast, GA
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FAX: 770-972-0766

AVX Northwest, WA
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FAX: 360-699-8751

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FAX: 510-661-4101

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