

AVX
A KYOCERA GROUP COMPANY



ELCO Memory Card Connectors

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Introduction

AVX offers a broad range of Memory Card connectors for removable storage memory applications in hand held data and communications equipment.

PCMCIA

5025 Connectors, SMT, DIP, Zero standoff, 5v, Normal and Reverse, Single and Dual
5025 Ejectors, SMT, DIP, Zero standoff, 5v, Normal and Reverse, Single and Dual
5069 Connectors, Single/Double sided, Zero Standoff, 5v, Reverse
5027 Connectors, SMT, Zero and 2.2mm standoff, 3.3v and 5v, Normal and Reverse
5027 Ejectors, SMT, Zero and 2.2mm standoff, 3.3v and 5v, Normal and Reverse
5027 Cardbus Connectors, SMT, Zero standoff
9170 Type II Frameless Kit, Covers, 68 position connector, 3.3v and 5v and I/O options
9170 Frameless Kit Plug Accessories
Custom I/O Bulge Options

COMPACT FLASH (CF)

5610 Connectors, Type I, Zero and 2mm standoff, Normal and Reverse
5610 Ejectors, Type I, Zero and 2mm standoff, Normal and Reverse
5620 Connectors, Type II, Zero and 2mm standoff, Normal and Reverse
5620 Ejectors, Type II, Zero and 2mm standoff, Normal and Reverse
5611 Connectors, Type I & II, Single/Double sided
5612 Covers With Insulating Tape

MULTIMEDIA CARD (MMC)

5038 Connectors, Non-eject, push eject, and push/push eject options

SECURE DIGITAL (SD)

5638 Connectors, Non-eject, push eject, and push/push eject options

S.O. DIMM

6401 Connectors, SMT RA, 5.5mm profile height
6402 Connectors, SMT, RA, profile height options 4, 5.2 and 5.6mm
6403 Connectors, SMT/DIP, ST, 3.3v and 5v

PCMCIA PC Memory Card Connectors



Features/Benefits

SERIES 5025

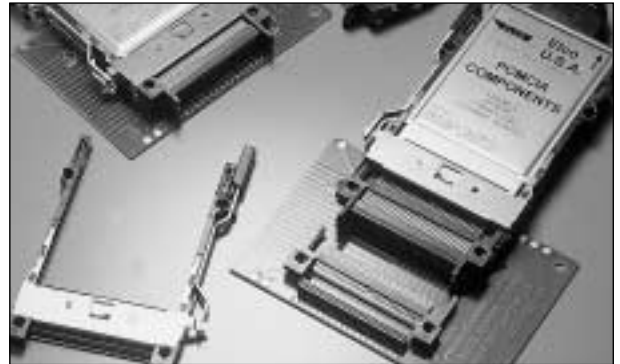
Series 5025 offers single or double stacked header combinations in SMT or Through Hole.

Also, this series meets the requirements of Ver. 4.2/PCMCIA Type I, II and III equipment.

Upper and lower stage of header offers the combination of DIP/SMT and DIP/DIP.

TECHNICAL SPECIFICATIONS

Number of Contacts:	68, 136 (with ESD terminal)
Pitch:	1.27mm (0.05)
Current Rating:	0.5A Max.
Voltage Rating:	5V Max.
DW Voltage:	500V rms/min.
Mating Cycles	10,000



SERIES 5027

This is an SMT lightweight connector for 3.3v or 5v cards.

Height is 5.0mm (0.197), weight is under 10 grams (with single ejector mechanism) which is one of the lightest available in this industry.

Dual type is 2 pcs, side-by-side configuration and you can choose "With Ejector type" or "Without Ejector type".

This meets the requirements of PCMCIA, Type I, II and III.

TECHNICAL SPECIFICATIONS

Number of Contacts:	68, 136
Pitch:	1.27mm (0.05)
Current Rating:	0.5A Max.
Voltage Rating:	5V Max.
DW Voltage:	500V rms/min.
Mating Cycles	10,000



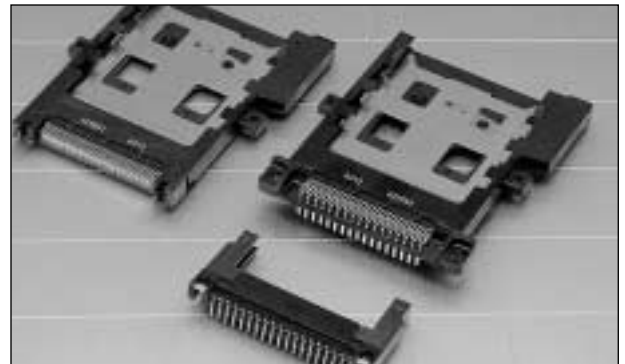
SERIES 5069

1.27mm (0.05) pitch 68 positions plug connector designed for PC card. Contacts on the card side is arranged in two rows and the substrate side has DIP type and SMT type.

Receptacle (card side) connector is also available.

TECHNICAL SPECIFICATIONS

Number of Contacts:	68
Pitch:	1.27mm (0.05)
Current Rating:	0.5A Max.
Voltage Rating:	5V Max.
DW Voltage:	500V rms/min.
Mating Cycles	10,000



SERIES 9170

9170 Series is the PC card connector. It complies with JEIDA/PCMCIA Type II.

Greatest PCB # spacing available in the market allowing design engineer to compact more electronics components onto the PCB board.

Assembly tooling can be supplied to reduce OEM cycle time.

Top/Bottom cover has a unique patented interlocking mechanism, which offers a Robust construction.

Complete I/O connection system is available.

Dedicated I/O connector offered with options of with/without co-axial contacts or Blank I/O.

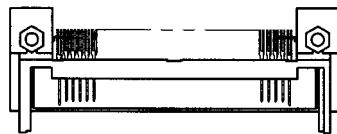


PCMCIA PC Memory Card Connectors

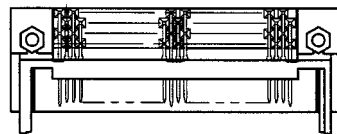


Series 5025 Product Selection Guide

CONNECTOR



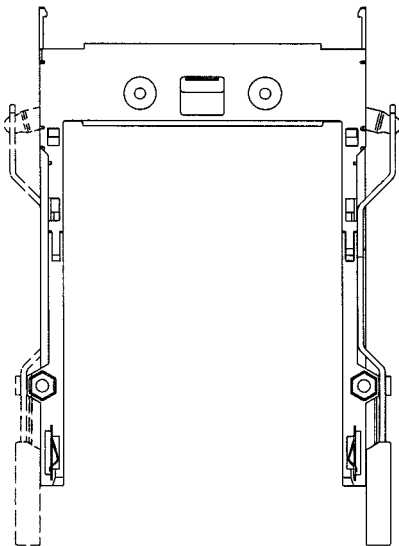
SMT TYPE



DIP TYPE



EJECTOR



LEFT SIDE

RIGHT SIDE

SINGLE SMT

Connector Style			Ejector Style	How To Order		Page
Stand Off	Voltage	Keying	Button Side	Connector	Ejector	
Height=0	5v	Normal	Left	31 5025 068 305 871	30 5025 000 321 000	6, 7
			Right	31 5025 068 305 871	30 5025 000 322 000	
Height=0	5v	Reverse	Left	31 5025 068 355 871	30 5025 000 321 000	6, 7
			Right	31 5025 068 355 871	30 5025 000 322 000	

SINGLE DIP

Connector Style			Ejector Style	How To Order		Page
Stand Off	Voltage	Keying	Button Side	Connector	Ejector	
Height=0	5v	Normal	Left	31 5025 068 100 871	30 5025 000 321 000	8, 9
			Right	31 5025 068 100 871	30 5025 000 322 000	
Height=0	5v	Reverse	Left	31 5025 068 150 871	30 5025 000 321 000	8, 9
			Right	31 5025 068 150 871	30 5025 000 322 000	

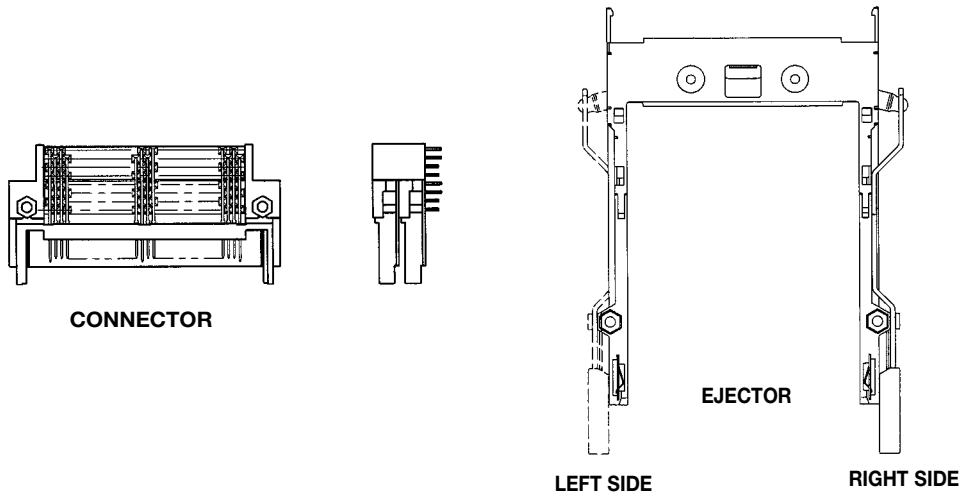
Note – If drawings are required then please contact your local sales office.

PCMCIA PC Memory Card Connectors



Series 5025 Product Selection Guide

SERIES 5025



DUAL DIP/DIP

Connector Style			Ejector Style	Assembly Number	How To Order	Page
Stand Off	Voltage	Keying	Button Side	Connector	Ejector	
Height=0	5v	Normal	Left/Left	31 5025 136 500 871	30 5025 000 621 000	10, 11
			Right/Right	31 5025 136 500 871	30 5025 000 622 000	
			Left/Right	31 5025 136 500 871	30 5025 000 623 000	
			Right/Left	31 5025 136 500 871	30 5025 000 624 000	
Height=0	5v	Reverse	Left/Left	31 5025 136 550 871	30 5025 000 621 000	10, 11
			Right/Right	31 5025 136 550 871	30 5025 000 622 000	
			Left/Right	31 5025 136 550 871	30 5025 000 623 000	
			Right/Left	31 5025 136 550 871	30 5025 000 624 000	

Note – If drawings are required then please contact your local sales office.

Assembly number for connector above comprises of a lower and upper header that needs to be ordered separately. See below on How To Order.

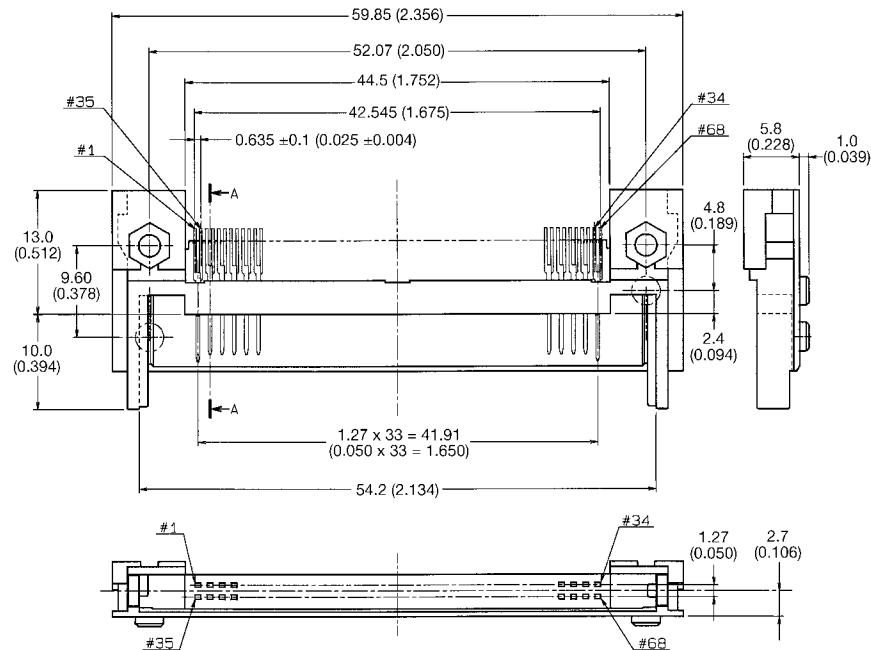
Assembly Number	Header Type	How To Order	Page
31 5025 136 500 871	Upper Header	31 5025 068 200 871	10, 11
	Lower Header	31 5025 068 100 871	
31 5025 136 550 871	Upper Header	31 5025 068 250 871	10, 11
	Lower Header	31 5025 068 150 871	

PCMCIA PC Memory Card Connectors

Series 5025 SMT SINGLE Header/Ejector Assembly



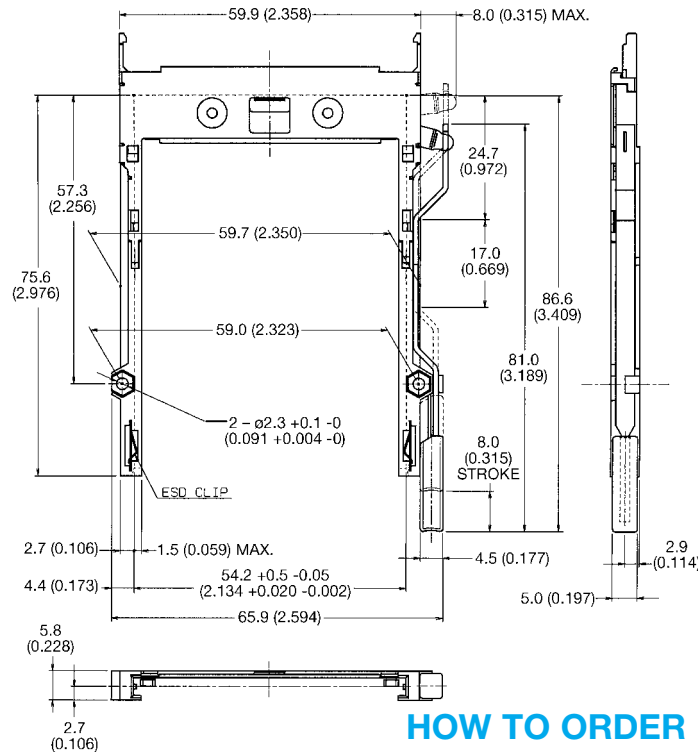
CONNECTOR



HOW TO ORDER

31 5025 068 305 871

EJECTOR



HOW TO ORDER

30 5025 000 322 000

Variation Code
See page 4

Variation Code
See page 4

ASSEMBLY



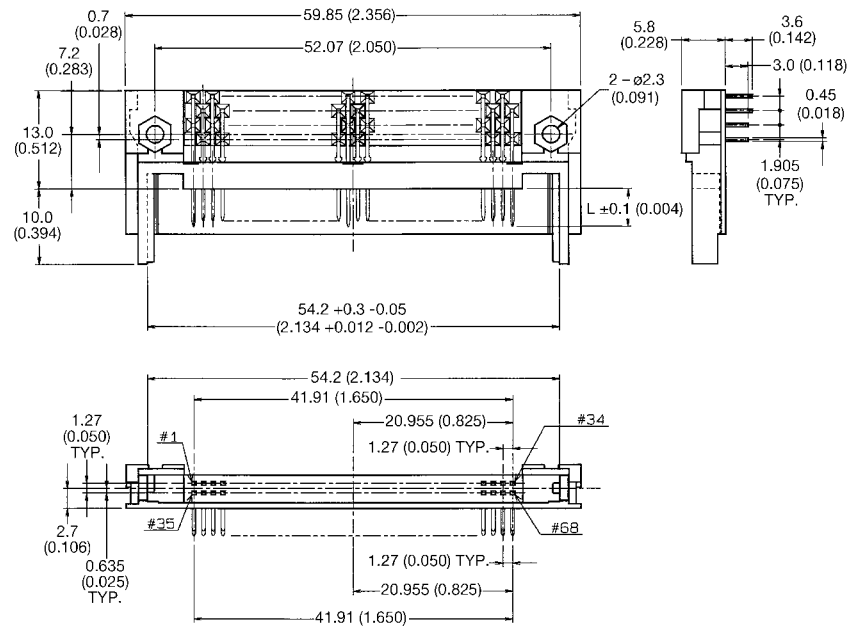
ELCO

PCMCIA PC Memory Card Connectors



Series 5025 DIP SINGLE Header/Ejector Assembly

CONNECTOR

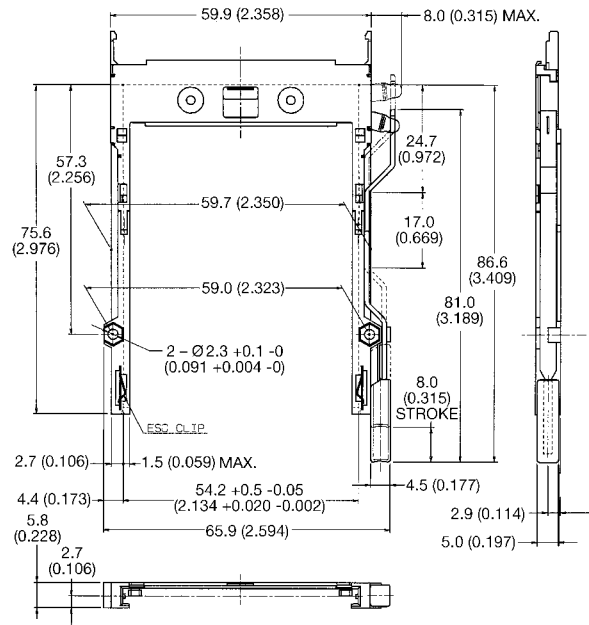


HOW TO ORDER

31 5025 068 100 871

Variation Code
See page 4

EJECTOR

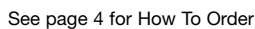


HOW TO ORDER

30 5025 000 322 000

Variation Code
See page 4

ASSEMBLY



PCMCIA PC Memory Card Connectors

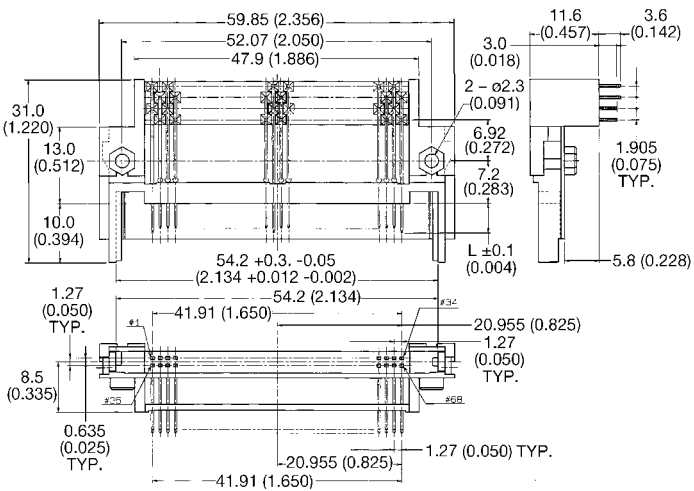
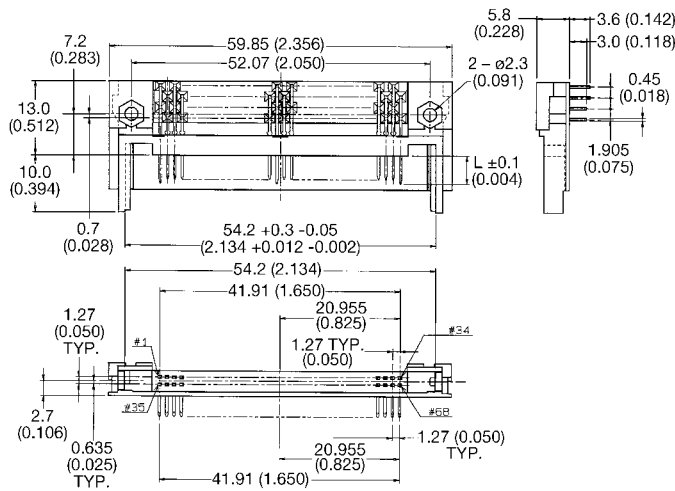


Series 5025 DIP DUAL Header/Ejector Assembly

CONNECTOR

LOWER

UPPER



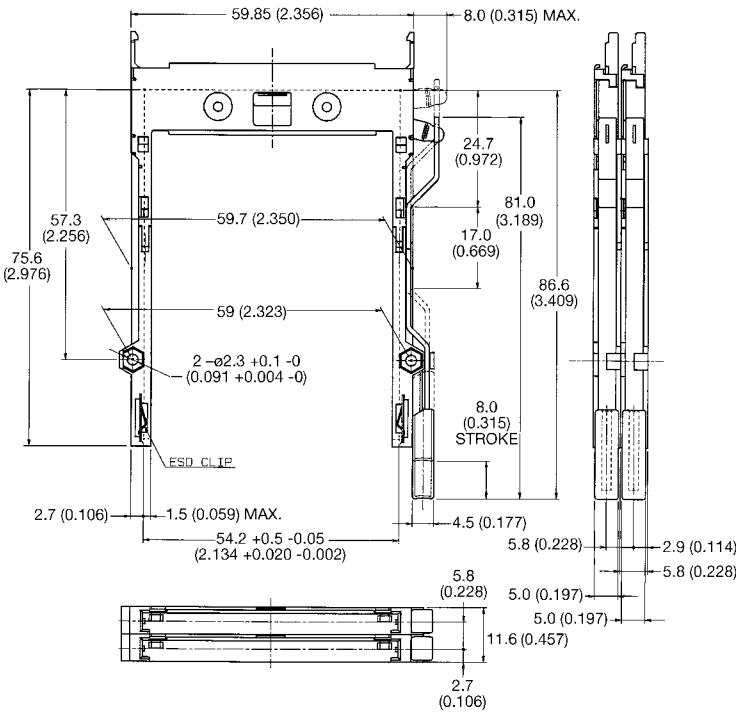
ASSEMBLY NUMBER

31 5025 136 5X0 871

Variation Code

See page 5
500 = Normal
550 = Reverse

EJECTOR



HOW TO ORDER

30 5025 000 622 000

Variation Code
See page 5

ASSEMBLY



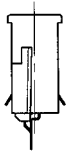
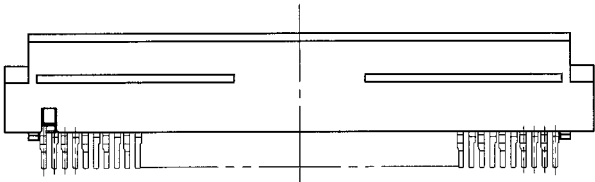
PCMCIA PC Memory Card Connectors



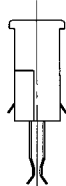
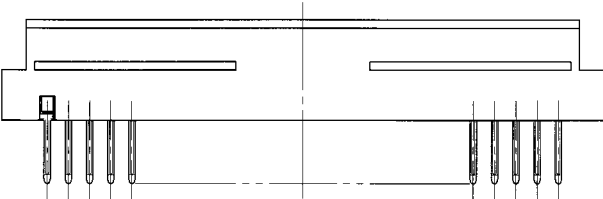
Series 5069 Product Selection Guide

SERIES 5069

SINGLE SIDE



STRADDLE TAIL



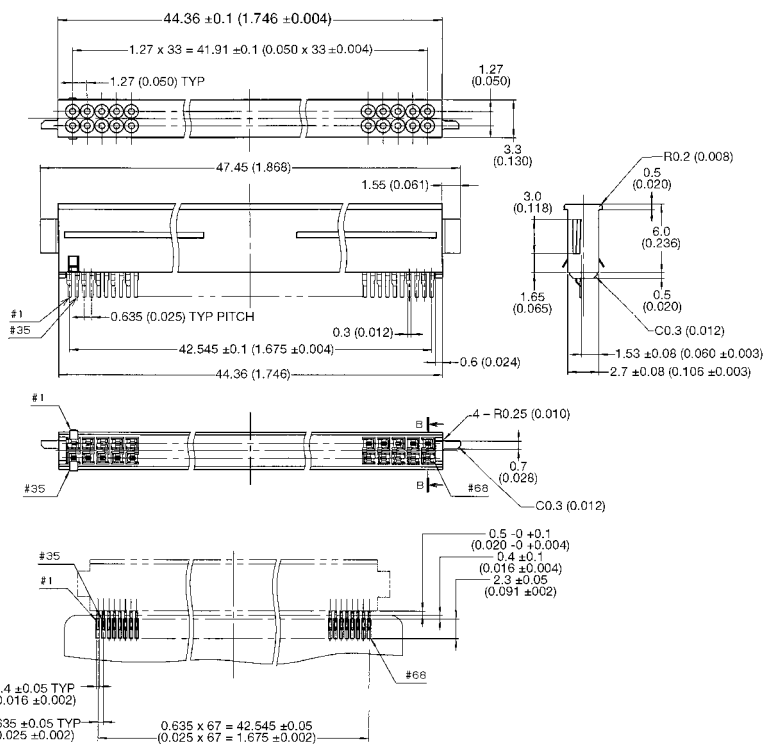
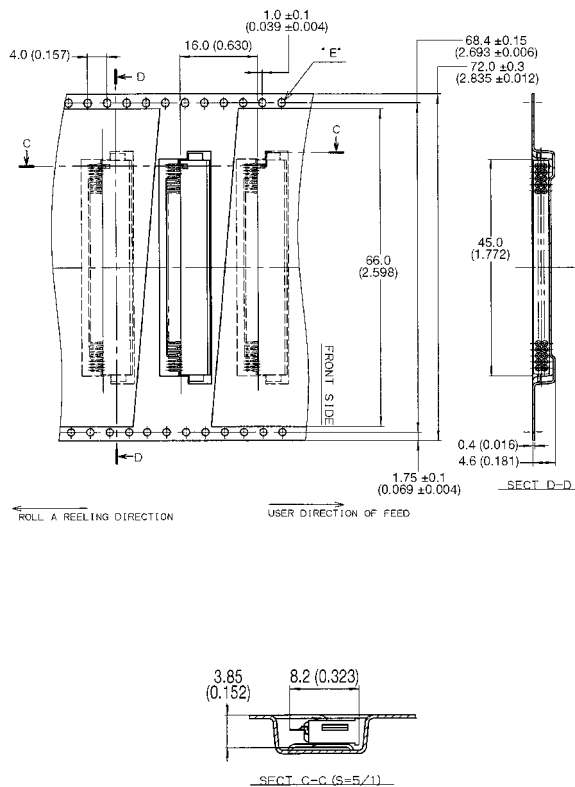
Solder Tail Style	How To Order	Packaging		
		Semi-Hard Tray	70 Tray	840 Box
Straddle Mount	20 5069 068 003 871			
Single Side	24 5069 068 901 835	Tape and Reel	1000 Tape and Reel	

PCMCIA PC Memory Card Connectors



Series 5069 Receptacle Connectors

SINGLE SIDE



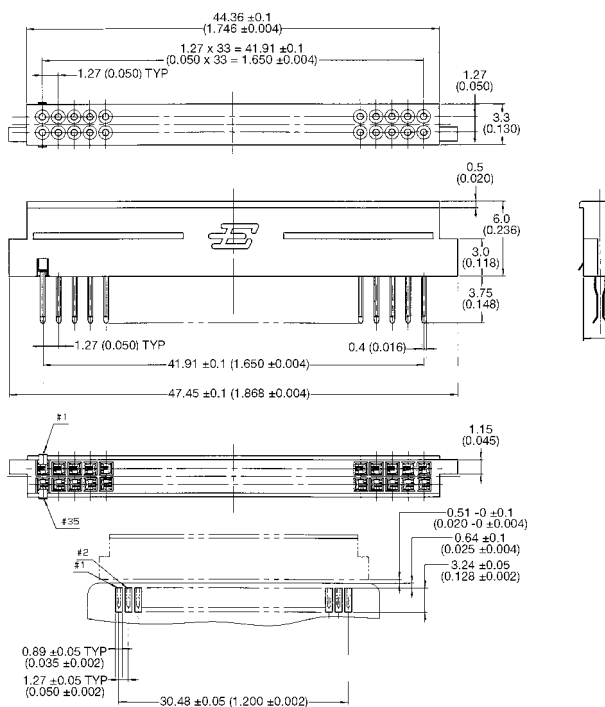
RECOMMENDED PCB PATTERN

HOW TO ORDER

24 5069 068 901 835

1000 per Tape and Reel

STRADDLE



RECOMMENDED PCB PATTERN

HOW TO ORDER

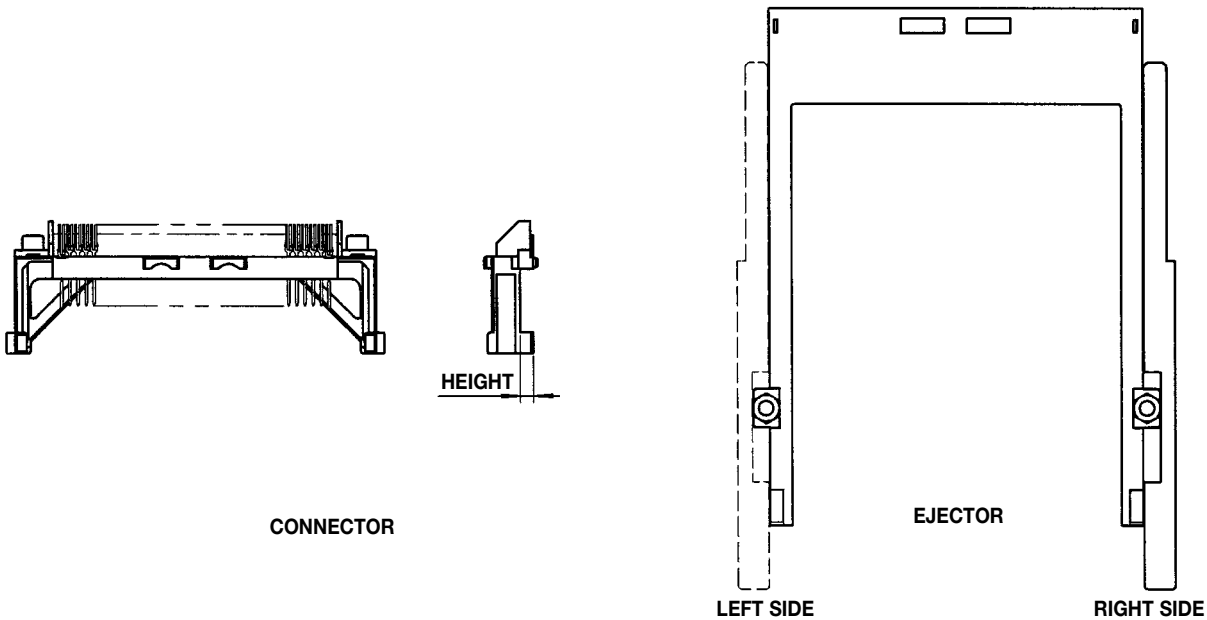
20 5069 068 003 871

840 per Box

PCMCIA PC Memory Card Connectors



Series 5027 Product Selection Guide



Connector Style			Ejector Style	How To Order		Page
Stand Off	Voltage	Keying	Button Side	Connector	Ejector	
Height=0	5v	Normal	Left	31 5027 068 010 871	30 5027 000 001 000	15, 16
			Right	31 5027 068 010 871	30 5027 000 002 000	
Height=0	5v	Reverse	Left	31 5027 068 020 871	30 5027 000 001 000	
			Right	31 5027 068 020 871	30 5027 000 002 000	
Height=0	3.3v	Normal	Left	31 5027 068 030 871	30 5027 000 001 000	
			Right	31 5027 068 030 871	30 5027 000 002 000	
Height=0	3.3v	Reverse	Left	31 5027 068 040 871	30 5027 000 001 000	17, 18
			Right	31 5027 068 040 871	30 5027 000 002 000	
Height=2.2	5v	Normal	Left	31 5027 068 110 871	30 5027 000 101 000	
			Right	31 5027 068 110 871	30 5027 000 102 000	
Height=2.2	5v	Reverse	Left	31 5027 068 120 871	30 5027 000 101 000	
			Right	31 5027 068 120 871	30 5027 000 102 000	
Height=2.2	3.3v	Normal	Left	31 5027 068 130 871	30 5027 000 101 000	
			Right	31 5027 068 130 871	30 5027 000 102 000	
Height=2.2	3.3v	Reverse	Left	31 5027 068 140 871	30 5027 000 101 000	
			Right	31 5027 068 140 871	30 5027 000 102 000	

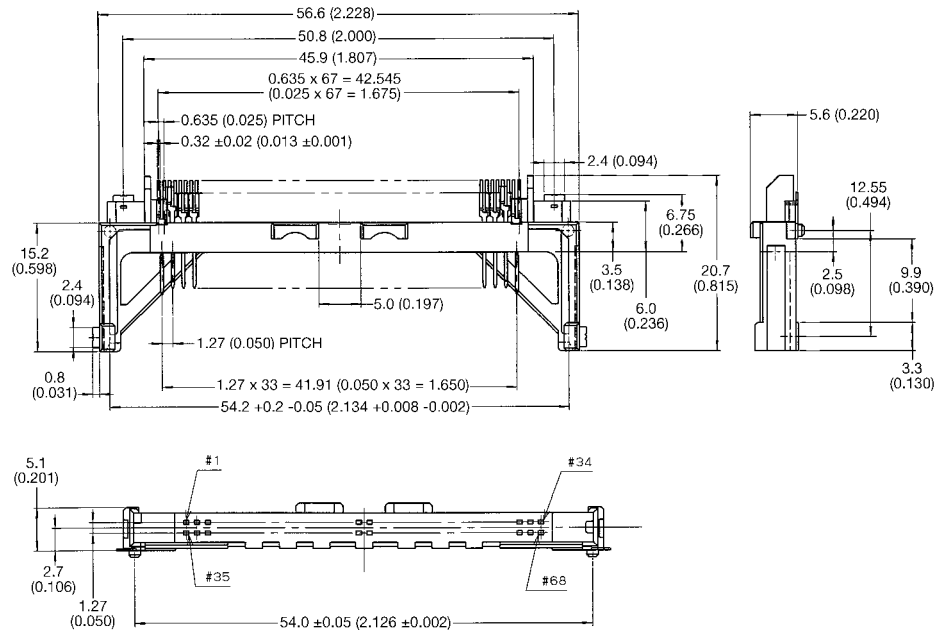
Note – If drawings are required then please contact your local sales office.

PCMCIA PC Memory Card Connectors



Series 5027 Header/Ejector Assembly H=0mm

CONNECTOR

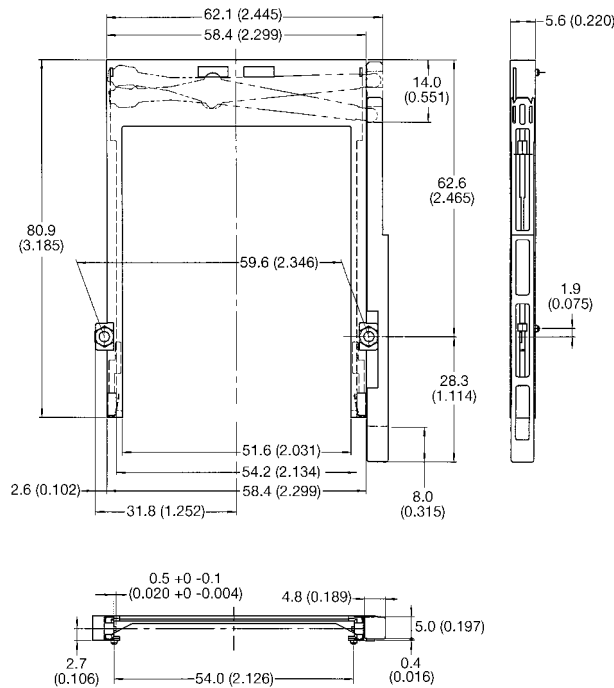


HOW TO ORDER

31 5027 068 010 871

Variation Code
See page 14

EJECTOR

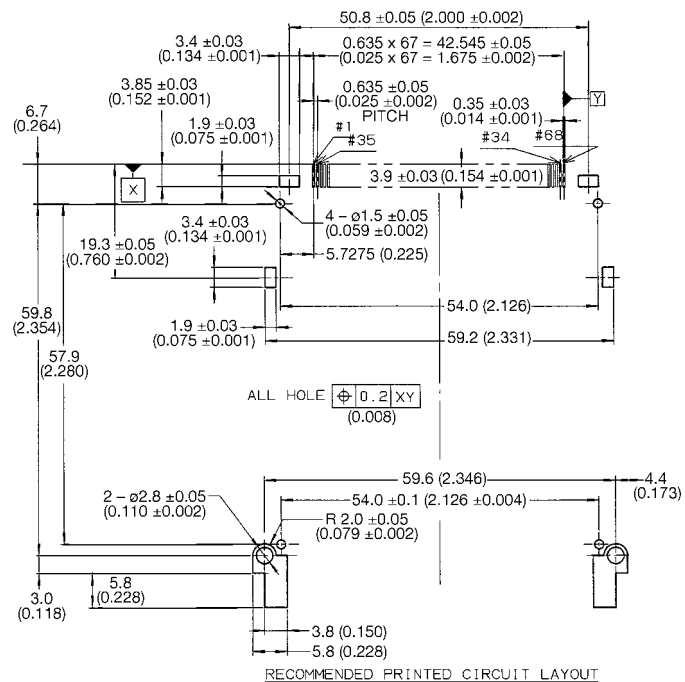


HOW TO ORDER

30 5027 000 002 000

Variation Code
See page 14

ASSEMBLY



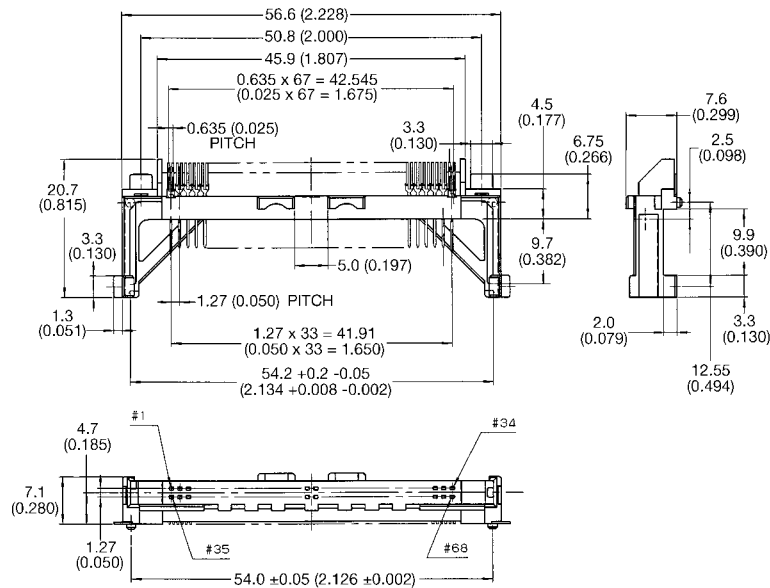
16

PCMCIA PC Memory Card Connectors



Series 5027 Header/Ejector H=2.2mm

CONNECTOR

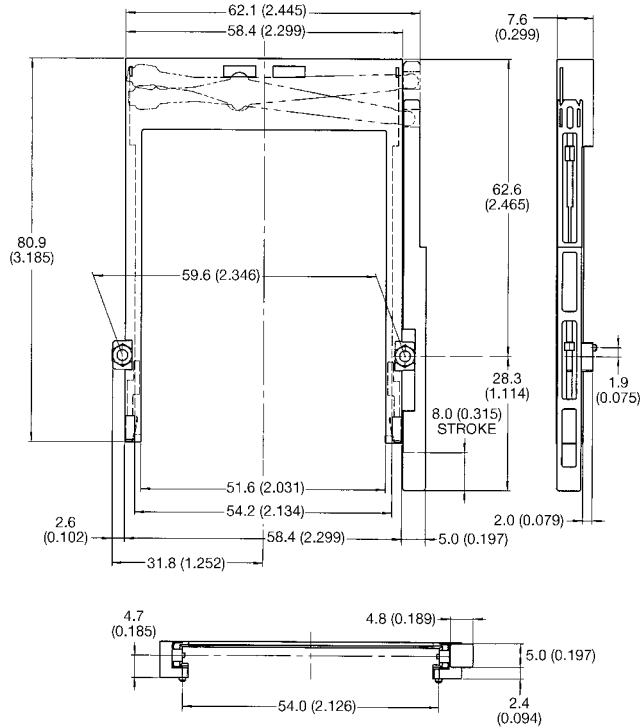


HOW TO ORDER

31 5027 068 110 871

Variation Code
See page 14

EJECTOR



HOW TO ORDER

30 5027 000 101 000

Variation Code
See page 14

ASSEMBLY



CARD BUS



31 5027 068 540 871

H=0mm



35 5027 068 030 871

PCMCIA PC Memory Card Connectors



Series 9170 PCMCIA Type II Frameless Card Kit - Features/Benefits

Elco offers card kits including its unique frameless kits for wide ranging applications.

KITS OPTIONS AVAILABLE

- 68 position receptacle
- 68 position card bus receptacle
- Top/Bottom metal covers with and without insulating film
- Extended card, e.g. for WLAN applications
- Customized I/O to suit specific applications
- Dual I/O connector for fax/modem card

APPLICATIONS

- WLAN
- Fax/modem card
- Bluetooth related PC cards
- LAN cards
- Mobile communications

FEATURES AND BENEFITS

- Greatest PCB spacing available in the market* allowing design engineer to compact more electronic components onto the PCB.
- The kit can be modified for specific applications such as WLAN PC card; Bluetooth PC cards, GPRS PC cards, Fax/modem cards as well as PC cards with SIM card reader.
- Top/Bottom metal covers has unique patented interlocking mechanism that offers a robust construction.



- Top/Bottom metal covers offer excellent RF shielding.
- The kit has been tested in accordance with IEEE802.11 WLAN RF emission test.
- All connectors are self supporting to PCB hence do not require support tooling during reflow soldering.
- Reliable pin/socket design offer above industry standard performance.
- Assembly tooling available for mass production.

*Accurate at the time of going to press.

PCMCIA PC Memory Card Connectors

Frameless Card Kit - Product Selection Guide



SELECTION GUIDE BY KITS PART NUMBER

Kit Part Number	68 Position ⁽¹⁾ SSDR - 5.0 Volt 0.40mm Offset	Top Cover ⁽²⁾ Without Insulating Film	Bottom Cover ⁽²⁾ Without Insulating Film	I/O Assembly	I/O Type
30-9170-0001-00-XXX	20-9170-068-001-XXX	80-9170-4000-00-000	80-9170-4100-00-000	22-9170-000-001-XXX	Blank I/O
30-9170-0002-00-XXX	20-9170-068-001-XXX	80-9170-4000-00-000	80-9170-4100-00-000	21-9170-015-001-XXX	15 way, without coax
30-9170-0003-00-XXX	20-9170-068-001-XXX	80-9170-4000-00-000	80-9170-4100-00-000	21-9170-015-002-XXX	15 way with coax
Kit Part Number	68 Position ⁽¹⁾ SSSR - 5.0 Volt 0.40mm Offset	Top Cover ⁽²⁾ Without Insulating Film	Bottom Cover ⁽²⁾ Without Insulating Film	I/O Assembly	I/O Type
30-9170-0001-01-XXX	20-9170-068-004-XXX	80-9170-4000-00-000	80-9170-4100-00-000	22-9170-000-001-XXX	Blank I/O
30-9170-0002-01-XXX	20-9170-068-004-XXX	80-9170-4000-00-000	80-9170-4100-00-000	21-9170-015-001-XXX	15 way, without coax
30-9170-0003-01-XXX	20-9170-068-004-XXX	80-9170-4000-00-000	80-9170-4100-00-000	21-9170-015-002-XXX	15 way with coax
Kit Part Number	68 Position ⁽¹⁾ Card Bus 0.40mm Offset SSSR - 3.3 Volt	Top Cover ⁽²⁾ Without Insulating Film	Bottom Cover ⁽²⁾ Without Insulating Film	I/O Assembly	I/O Type
31-9170-0001-02-XXX	20-9170-068-010-XXX	80-9170-4003-00-000	80-9170-4100-00-000	22-9170-000-001-XXX	Blank I/O
31-9170-0002-02-XXX	20-9170-068-010-XXX	80-9170-4003-00-000	80-9170-4100-00-000	21-9170-015-001-XXX	15 way, without coax
31-9170-0003-02-XXX	20-9170-068-010-XXX	80-9170-4003-00-000	80-9170-4100-00-000	21-9170-015-002-XXX	15 way with coax

XXX = 001 packing in trays
002 packing in tape and reel
003 packing in tubes

Note – 1: Other offsets available, see below/consult sales office.
2: Covers with insulating film available see below.

INTERCONNECTION ASSEMBLY (MATING PLUG TO THE 21-9170 I/O CONNECTOR)

15 way without coax	10 9170 015 001 00X
15 way with coax	10 9170 015 002 00X

Grommet Options:
00X: 7=3.5mm (0.138) Diameter
8=5.0mm (0.197) Diameter

FRAMELESS KIT GUIDE BY OPTIONAL COMPONENTS

68 Position Standard Connector - 5.0 Volt			
Part No.	Tail	Offset	Page
20-9170-068-001-XXX	SSDR	0.40mm	22
20-9170-068-004-XXX	SSSR	0.40mm	
20-9170-068-009-XXX	SSSR	0.00mm	
68 Position Card Bus Connector - 3.3 Volt			
20-9170-068-010-XXX	SSSR	0.40mm	23

COVERS Without Insulating Film		
Part No.	Type	Page
80-9170-4000-00-000	Top	24
80-9170-4100-00-000	Bottom	
With Insulating Film		
80-9170-4000-01-000	Top	24
80-9170-4100-01-000	Bottom	

Assembly Tooling		
Part No.		Page
06-9170-7010-00-000		29
PCB Board Layout		30
Cross Section Views		31

I/O Connectors		
Part No.	Type	Page
21-9170-015-001-XXX	15 way without co-axial	25
21-9170-015-002-XXX	15 way with co-axial	
22-9170-000-001-XXX	Blank I/O	26
I/O for Fax/Modem Application		
Part No.	Slots	Page
22-9170-004-000-004	*4 way	26
22-9170-007-000-004	*7 way	
22-9170-015-000-004	*15 way	
22-9170-004-007-004	*4 + 7 way	
22-9170-004-015-004	*4 + 15 way	

*Actual connector supplied as optional extra

Extended Card	
See page 27	

15 Way Mating Plug for Series 21-9170		
Part No.	Type	Page
10-9170-015-001-00X	15 way without co-axial	28
10-9170-015-002-00X	15 way with co-axial	

Grommet Options:
00X: 007=3.5mm (0.138) Diameter
008=5.0mm (0.197) Diameter

PACKAGING OPTIONS

XXX = 001 = Tray - 576
002 = T/R - 576
003 = Tube - 144

PCMCIA PC Memory Card Connectors



Series 9170 PCMCIA Type II Frameless Card Kit 68 Position Receptacle

FEATURES

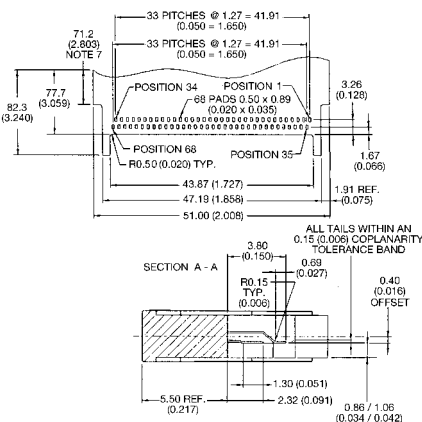
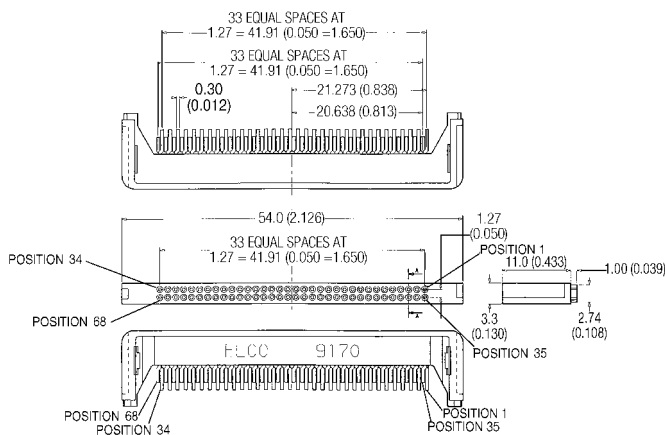
- Design to fit Frameless Kit Cover Type II
- Connector held in card by cover location clip
- High temperature materials meet solder reflow requirements
- Palladium nickel plating provides maximum contact wear

- Incorporates 5v keying features
- 3.3v keying features can be offered

68 POSITION RECEPTACLE CONNECTOR SSDR 0.40mm Offset 5.0 Volt

HOW TO ORDER

20 9170 068 001 XXX

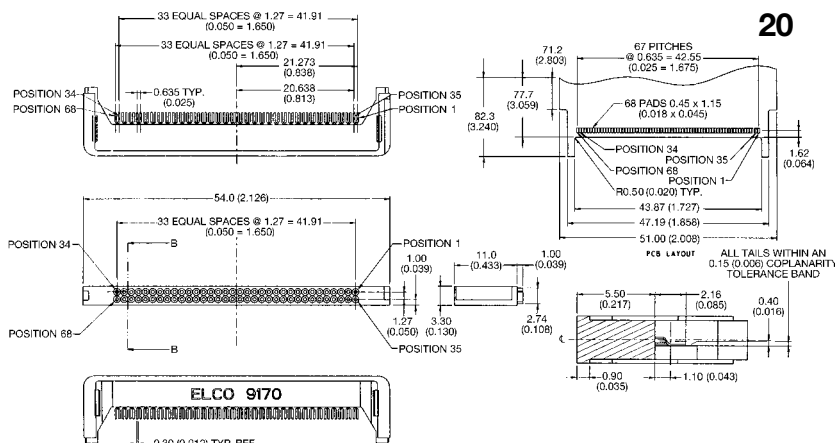


001=Tray - 576
002=Tape & Reel - 576
003=Tube - 144

SSSR 0.40mm Offset 5.0 Volt

HOW TO ORDER

20 9170 068 004 XXX

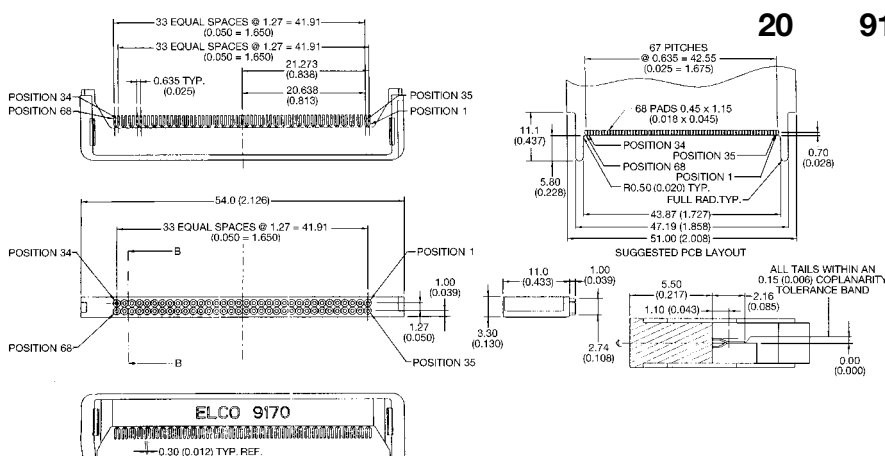


001=Tray - 576
002=Tape & Reel - 576
003=Tube - 144

SSSR 0.00mm Offset 5.0 Volt

HOW TO ORDER

20 9170 068 009 XXX



001=Tray - 576
002=Tape & Reel - 576
003=Tube - 144

PCMCIA PC Memory Card Connectors



Series 9170 PCMCIA Type II Frameless Card Kit 68 Position Card Bus

FEATURES

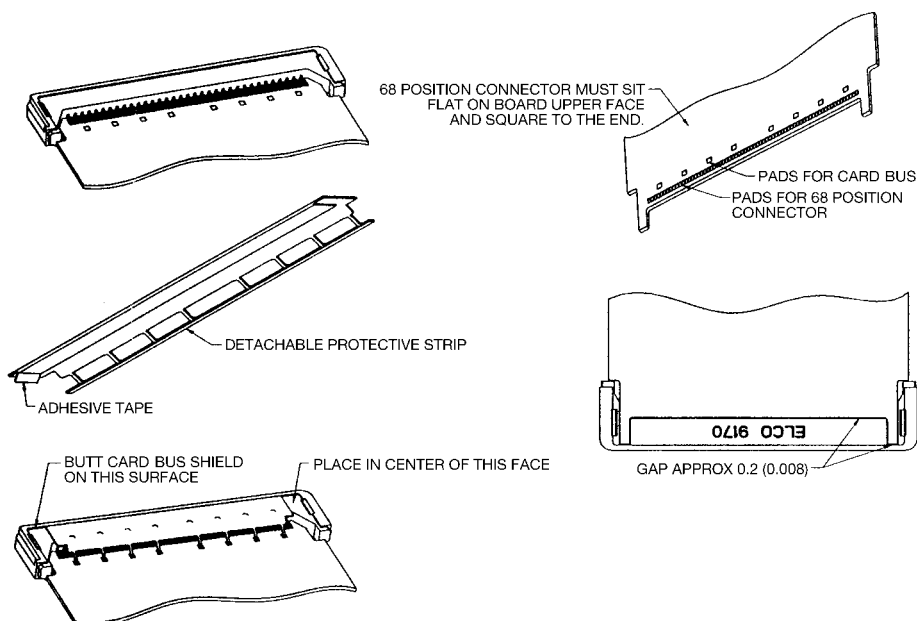
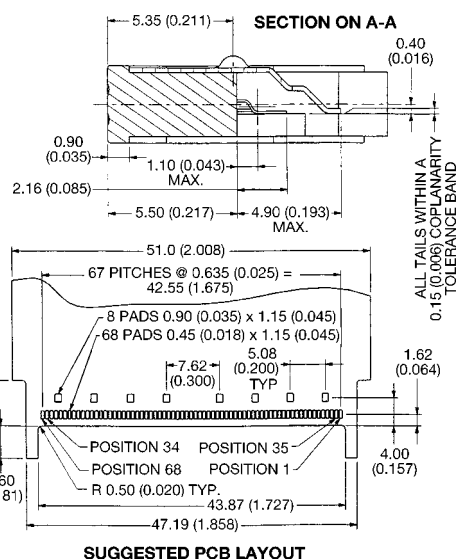
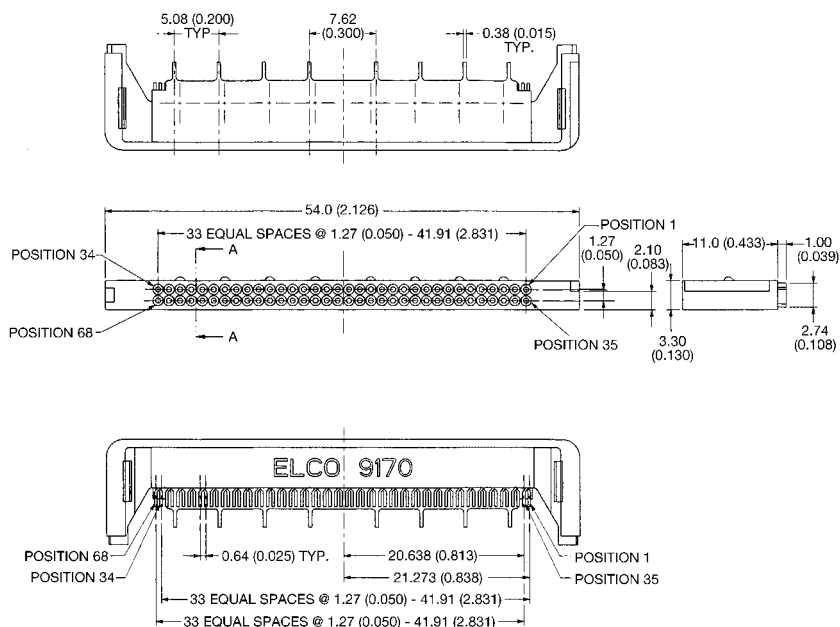
- Metal shield supplied as a separate item

68 POSITION CARD BUS CONNECTOR SSSR 0.40mm Offset 3.3 Volt

HOW TO ORDER

20 9170 068 010 XXX

001=Tray - 576
002=Tape & Reel - 576
003=Tube - 144



PCMCIA PC Memory Card Connectors

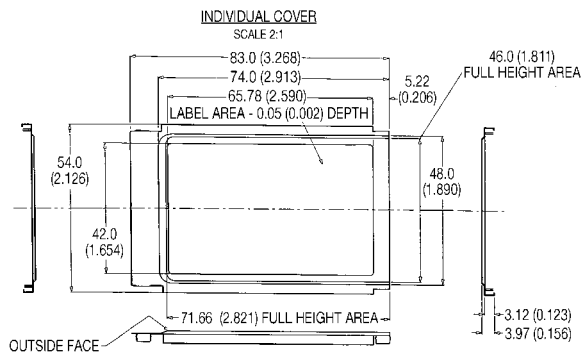


Series 9170 PCMCIA Type II Frameless Card Kit Covers

FEATURES

- Covers interlock with 68 Way receptacle and I/O connector
- Unique interlocking mechanism that offers robust construction
- Covers offer excellent RF shielding and have been tested to IEEE802.11 WLAN RF emissions standard
- Covers come with label recess
- Covers can be customized for SIM card reader
- Covers can be supplied with insulating film to prevent short circuits

COVER

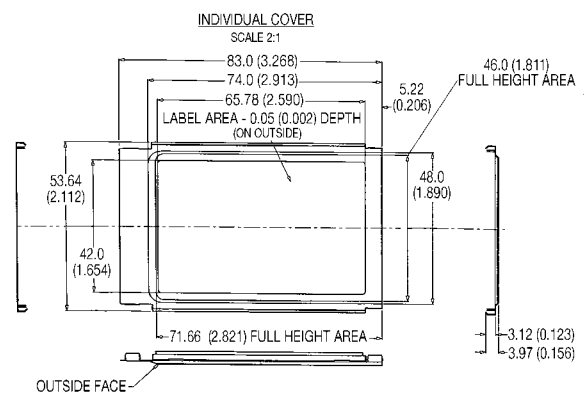


HOW TO ORDER

Top Cover without Insulating Film

80 9170 4000 00 000

Package: Tray - 144



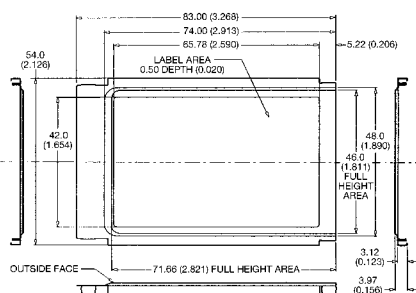
HOW TO ORDER

Bottom Cover without Insulating Film

80 9170 4100 00 000

Package: Tray - 144

COVER

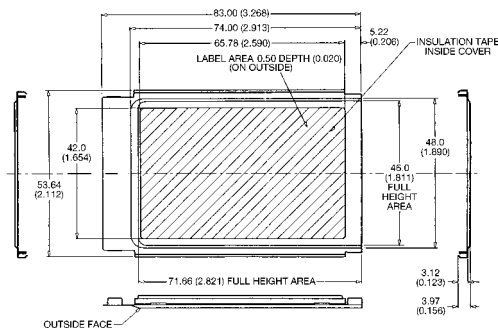


HOW TO ORDER

Top Cover with Insulating Film

80 9170 4000 01 000

Package: Tray - 144



HOW TO ORDER

Bottom Cover with Insulating Film

80 9170 4100 01 000

Package: Tray - 144

PCMCIA PC Memory Card Connectors

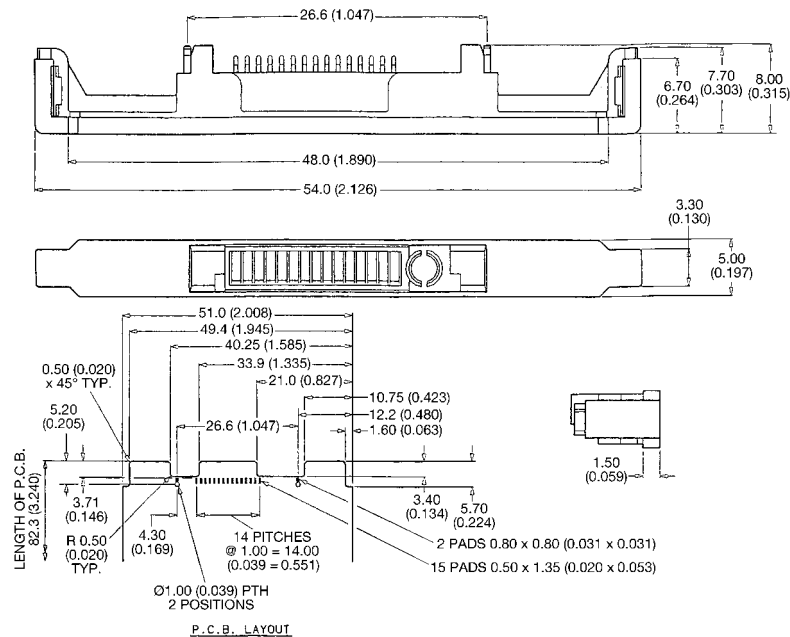


Series 9170 PCMCIA Type II Frameless Card Kit I/O Connector

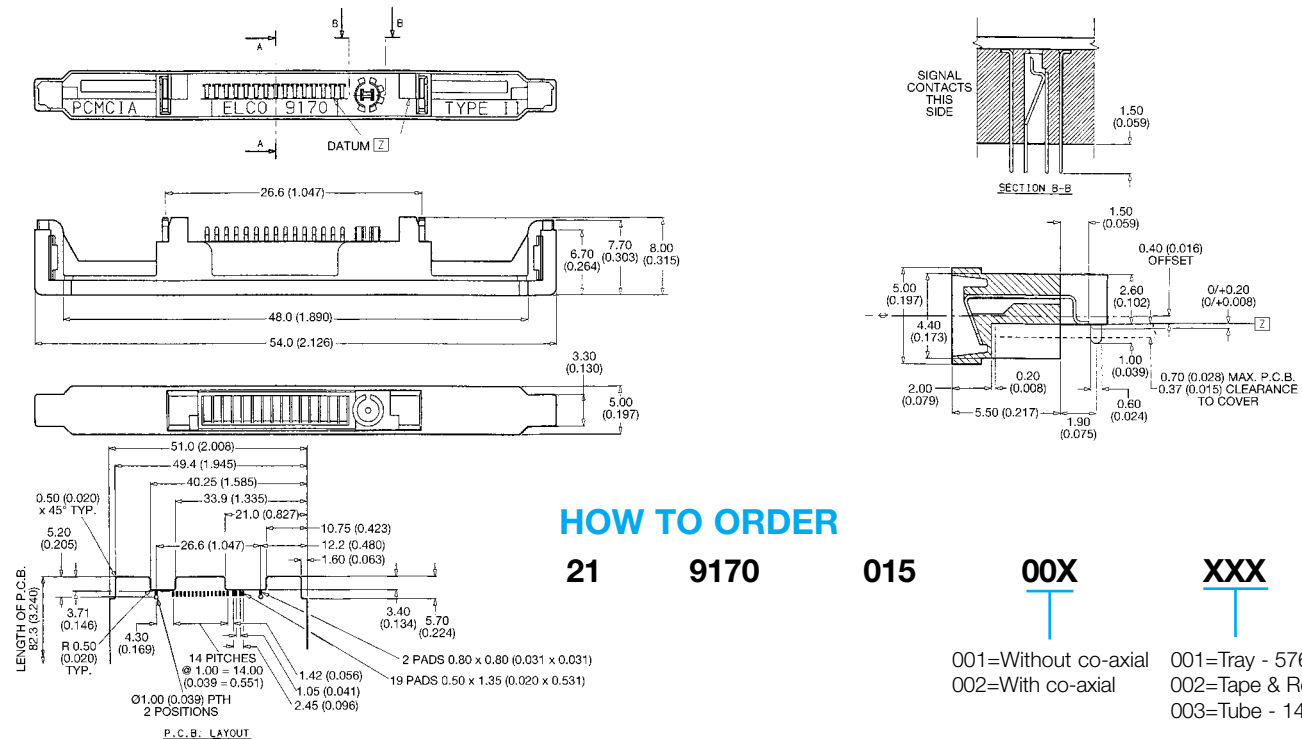
FEATURES

- Elco can offer its unique self-cleaning contact technology
- Recess provided for latching mechanism
- Keying is incorporated to prevent incorrect insertion
- Surface mount technology used for easy pick and place assembly
- Can be pre-assembled to PCB board before reflow
- Optional flexibility offered with switching co-axial and without co-axial

STANDARD I/O CONNECTOR WITHOUT CO-AXIAL



STANDARD I/O CONNECTOR WITH CO-AXIAL



HOW TO ORDER

21

9170

015

00X

XXX

001=Without co-axial
002=With co-axial

001=Tray - 576
002=Tape & Reel - 576
003=Tube - 144

ELCO

PCMCIA PC Memory Card Connectors



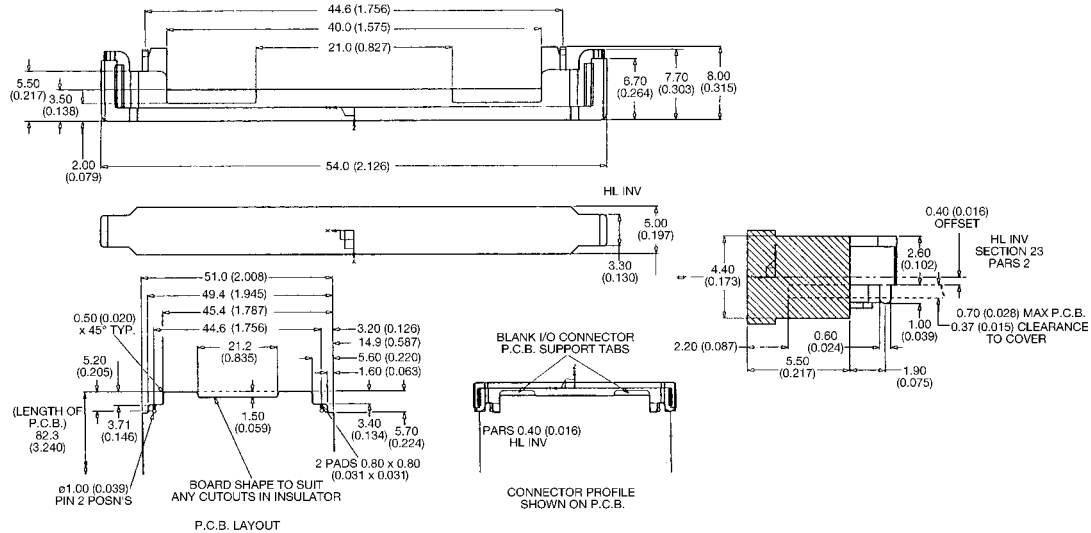
Series 9170 PCMCIA Type II Frameless Card Kit Dual I/O Concepts and Blank I/O

FEATURES

- For Fax/modem concepts i.e., 4, 7 and 15 Way connectors can be mounted onto Blank I/O moldings
- Customers existing 4, 7 or 15 Way connector can be mounted onto Elco I/O moldings; this would ensure that mating cable assemblies do not have to be changed

Please consult factory for further details.

BLANK I/O CONNECTOR

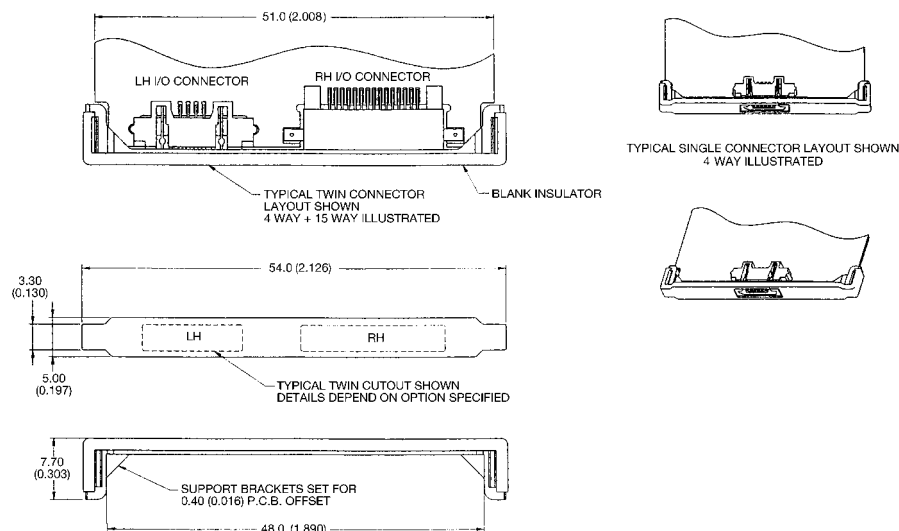


HOW TO ORDER

22 9170 000 001 XXX

001=Tray - 576
002=Tape & Reel - 576
003=Tube - 144

DUAL I/O CONCEPTS



PCMCIA PC Memory Card Connectors

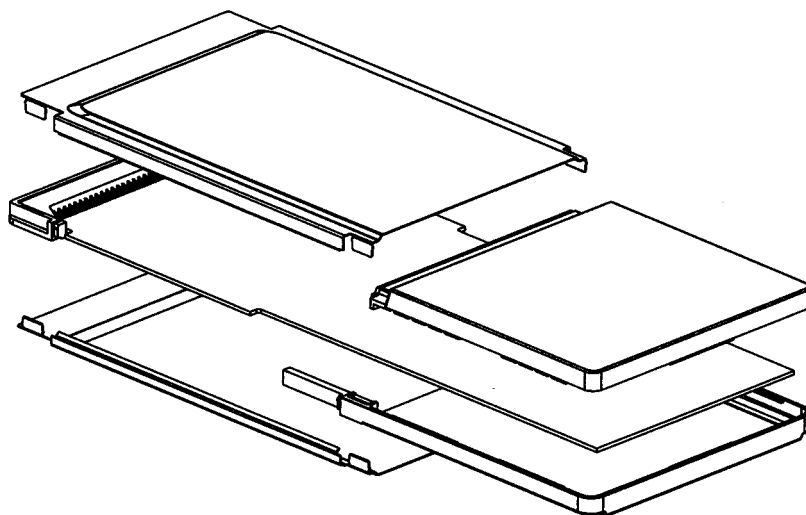
Series 9170 PCMCIA Type II Frameless Card Kit Extended Card



FEATURES

- The extended plastic bulge can be customized to suit specific applications such as: WLAN, Bluetooth or GPRS PC cards.
- The concepts can also be modified so that the design engineer can incorporate SIM card or MMC connector into the PC card.
- Elco frameless kit has been tested and approved by IEEE802.11 standard by Elco end customers.
- Several other components such as antennas, LED's, light pipes and I/O connectors can be integrated into the extension in order to meet specific customer needs.

Please consult factory for additional information.



Example: Exploded View

PCMCIA PC Memory Card Connectors

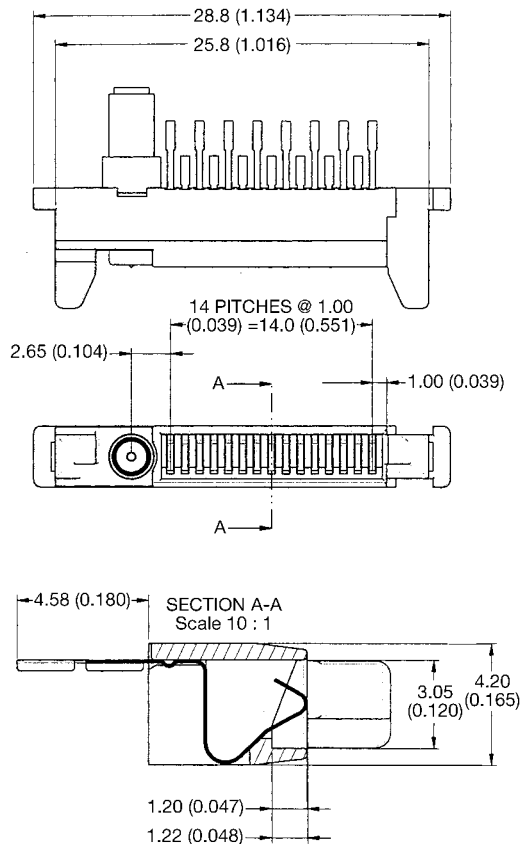


Series 9170 PCMCIA Type II Frameless Card Kit Mating I/O Plug

FEATURES

- Latched plug/cover assembly to I/O socket in memory card
- Options to offer shield continuity
- 15 Way without co-axial
- 15 Way with co-axial

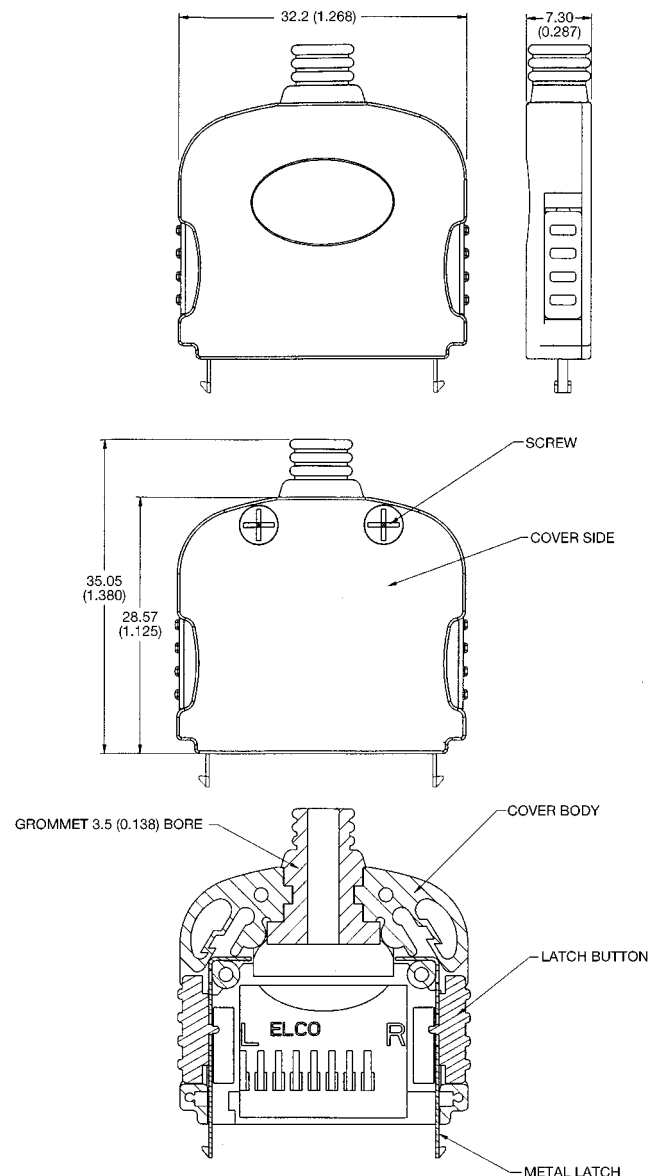
MATING I/O PLUG



HOW TO ORDER

10 9170 015 00X 00X

001=Without co-axial 007=3.5mm
002=With co-axial 008=5.0mm



PCMCIA PC Memory Card Connectors



Series 9170 PCMCIA Type II Frameless Card Kit Assembly Tooling

FEATURES

- Semi-Automatic Tooling
- User friendly - no special operator skills required
- Tooling can be modified for Elco extended card solutions

HOW TO ORDER

06 9170 7010 00 000

PRODUCTION TOOLING FOR FRAMELESS KIT 9170 SERIES

This is Semi-Automatic Tooling

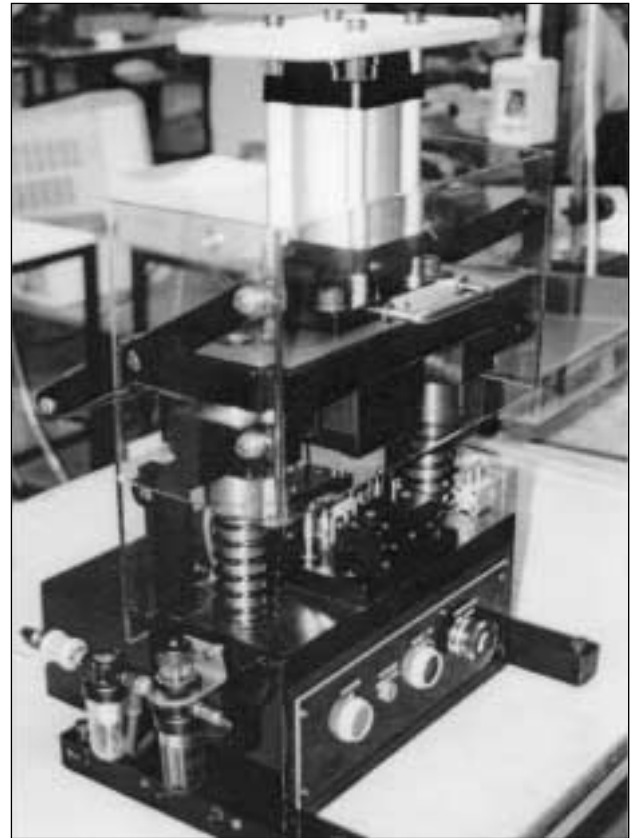
Approximate Cycle Time = approx. 3 complete kits per minute
= 3 x 60
= 180/per hour

Assume: 8 Hour Shift = 180 x 8
= 1,400/per shift

Assume: 20 days = 1,400 x 20
per Month = 28,800/per month

MINIMUM: 28,800 x 12 = 345,600/per annum

FRAMELESS KIT ASSEMBLY TOOL 06-9170-7010-00-000

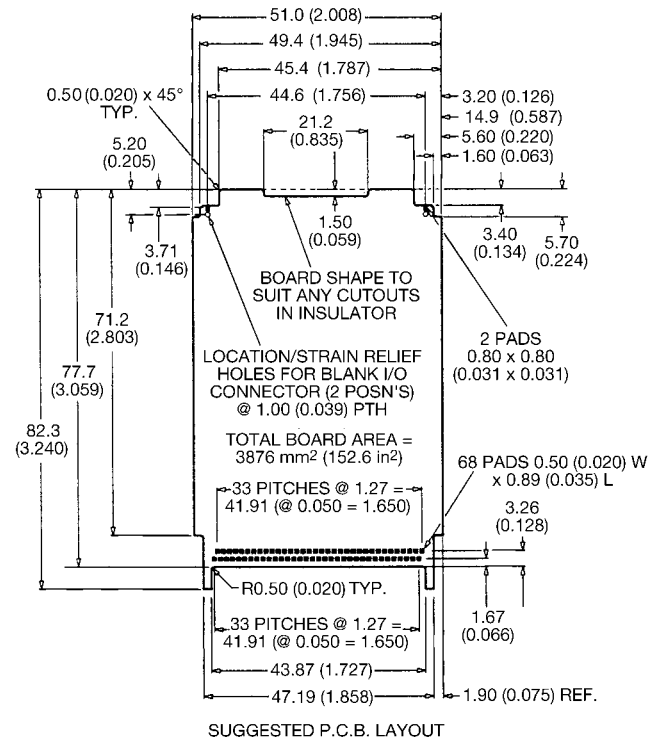


PCMCIA PC Memory Card Connectors

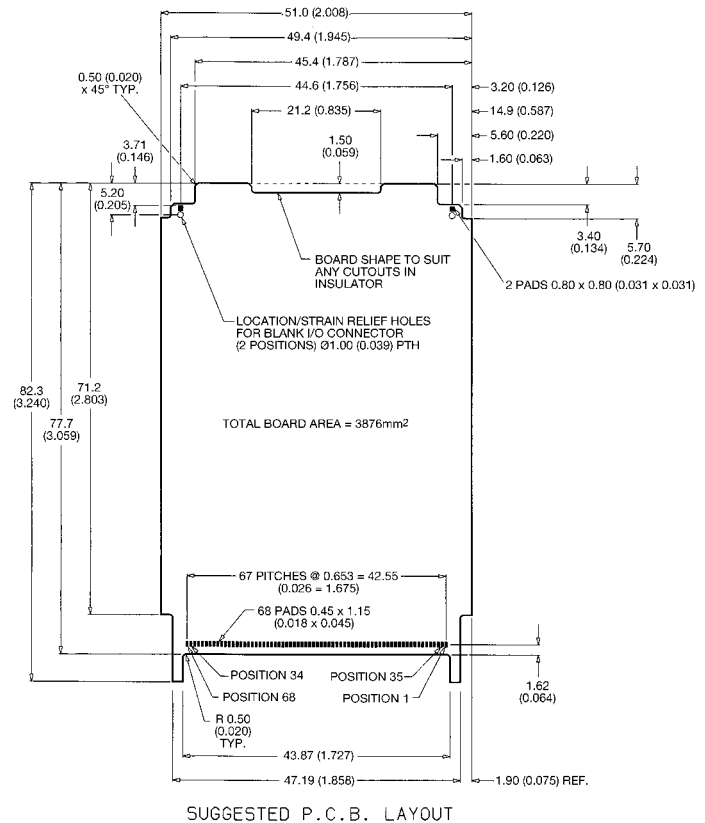


Series 9170 PCMCIA Type II Frameless Card Kit PCB Layout

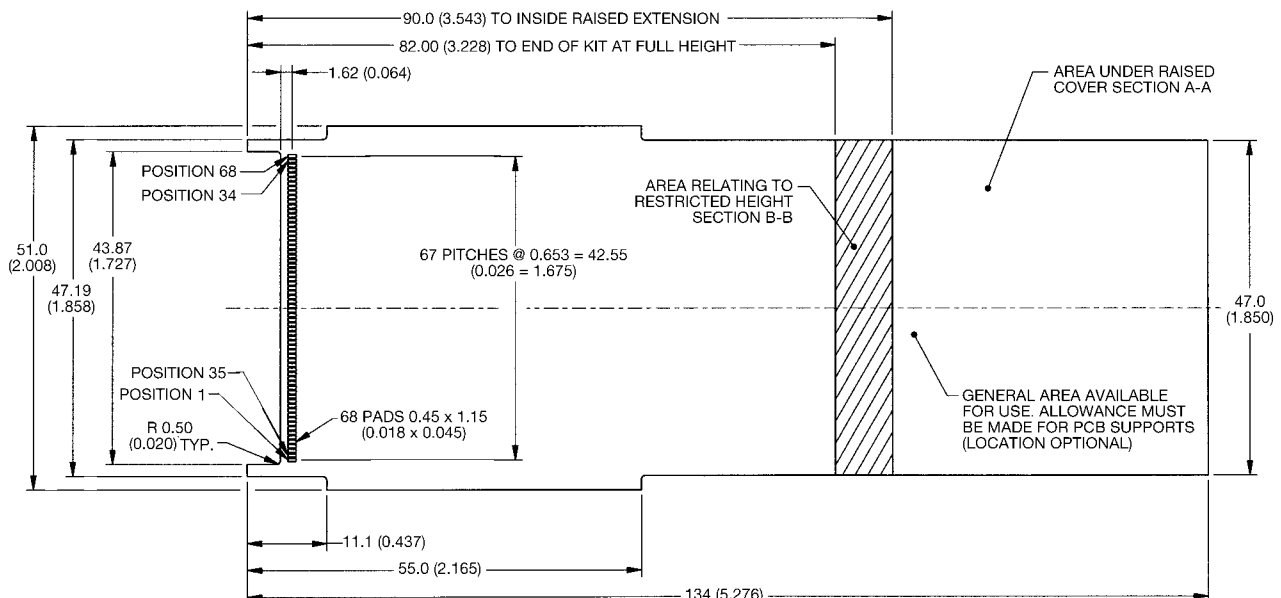
SSDR 0.40mm Offset



SSSR 0.40mm Offset



EXTENDED CARD SSSR 0.40mm Offset Typical



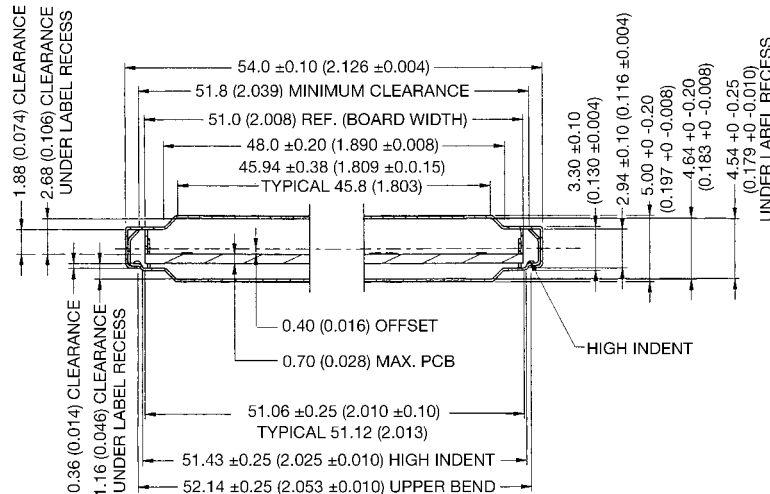
PCMCIA PC Memory Card Connectors

Series 9170 PCMCIA Type II Frameless Card Kit

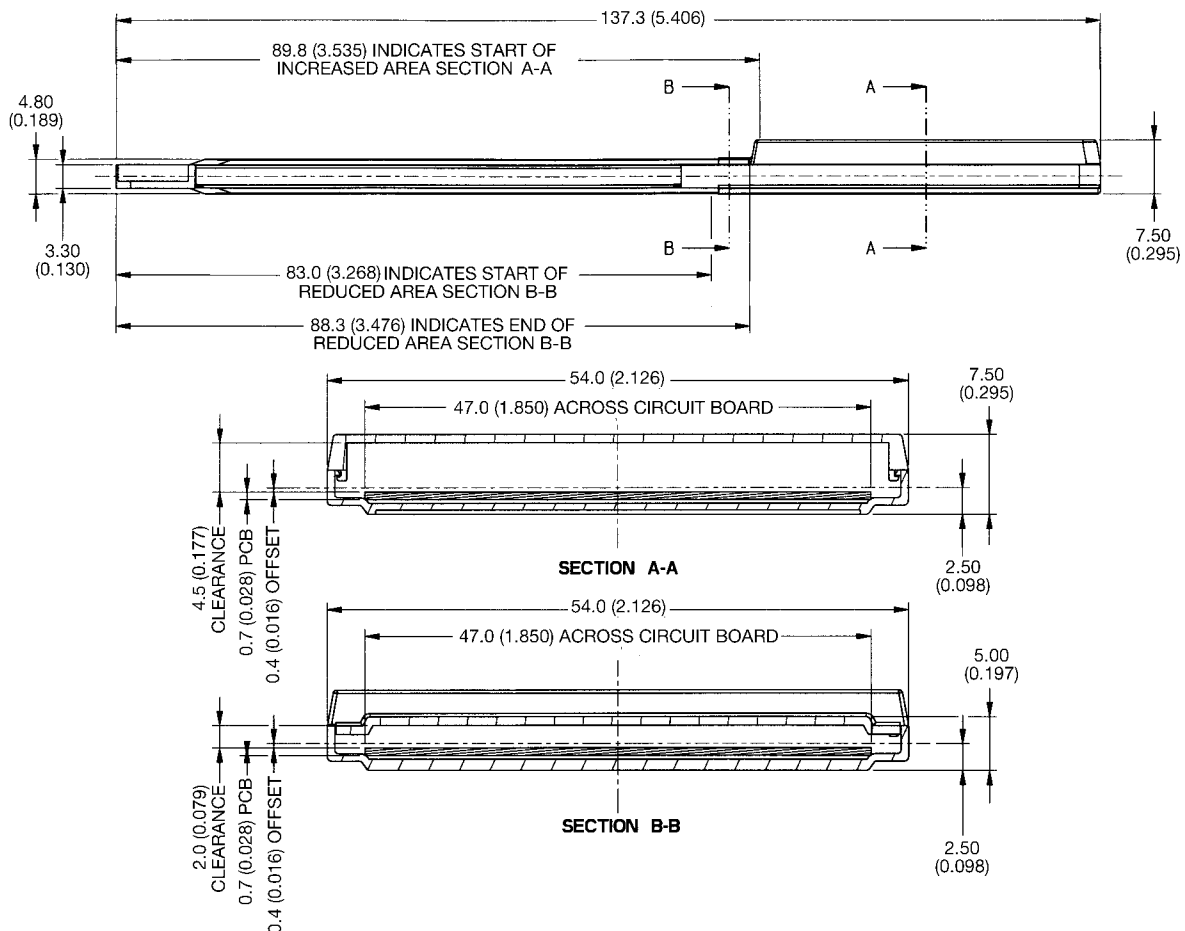
Cross Section View



CROSS SECTION VIEW USING 0.40mm Offset



CROSS SECTION VIEW USING EXTENDED KIT FOR WLAN APPLICATION TYPICAL



Compact Flash Memory Card Connectors **AVX**

Features/Benefits

TYPE I

SERIES 5610/5611/5612

Series 5610, 5611 and 5612 are memory card connectors supporting Compact Flash. They are used for small portable devices such as digital cameras, Notebook PC, PDA, etc.

Series 5610 consists of header and ejector, Series 5611 of card receptacle connector and Series 5612 of card kit covers.

The header supports auto-mounting processes. It offers many options of ejector-button position and customized design. In addition to the normal and reverse type, standoff type (H=0/H=2.0) can also be offered, which enables the components to be mounted on the back side of card. The connector used for card side has variations of straddle mount type and single side mount type.

TECHNICAL SPECIFICATIONS

Series 5610

Number of Contacts:	50
Pitch:	1.27mm (0.05) Grid
Tail Pitch:	0.635mm (0.025)
Current Rating:	0.5A Max.
Voltage Rating:	5V Max.
DW Voltage:	500V rms/min.
Mating Cycles	10,000

Series 5611

Number of Contacts:	50
Pitch:	1.27mm (0.05) Grid
Tail Pitch	
Straddle:	1.27mm (0.05)
Single Side:	0.635mm (0.025)
Current Rating:	0.5A Max.
Voltage Rating:	5V Max.
DW Voltage:	500V rms/min.
Mating Cycles	10,000

TYPE II

SERIES 5620

Series 5620 is a memory card connector designed to comply with the Type II card standard of Compact Flash Association.

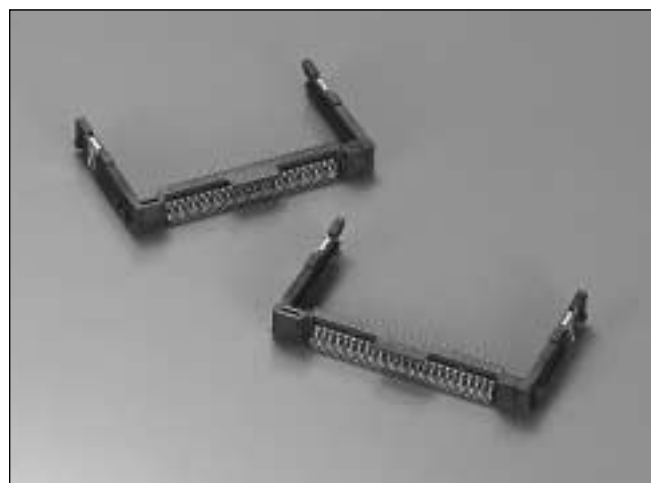
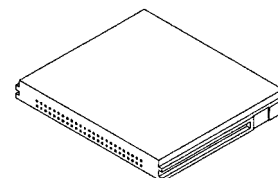
TECHNICAL SPECIFICATIONS

Number of Contacts:	50
Pitch:	1.27mm (0.05) Grid
Tail Pitch:	0.635mm (0.025)
Current Rating:	0.5A Max.
Voltage Rating:	5V Max.
DW Voltage:	500V rms/min.
Mating Cycles	10,000



TYPE I

TYPE II

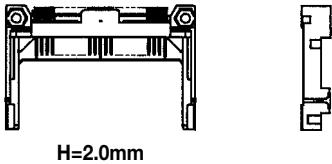


Compact Flash Memory Card Connectors

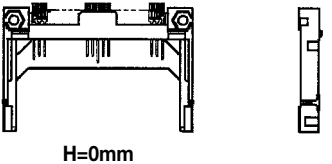


Series 5610/5620 Product Selection Guide

CONNECTOR



H=2.0mm

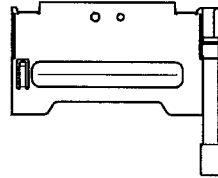


H=0mm

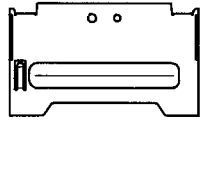
EJECTOR



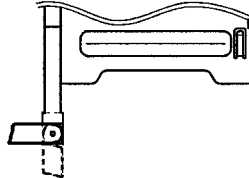
LEFT STRAIGHT BUTTON



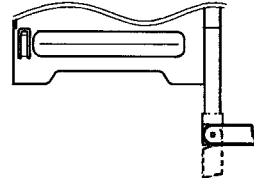
RIGHT STRAIGHT BUTTON



WITHOUT BUTTON



LEFT FOLDABLE BUTTON



RIGHT FOLDABLE BUTTON

CONNECTOR

Stand Off	Keying	Connector	Page
Type I Height=0	Normal	31 5610 050 500 871	34, 35
	Reverse	31 5610 050 550 871	
Type I Height=2.0	Normal	31 5610 050 210 871	36, 37
	Reverse	31 5610 050 260 871	
Type II Height=0	Normal	31 5620 050 116 871	38
Type II Height=2.0	Reverse	31 5620 050 716 871	39

CONNECTOR AND EJECTOR

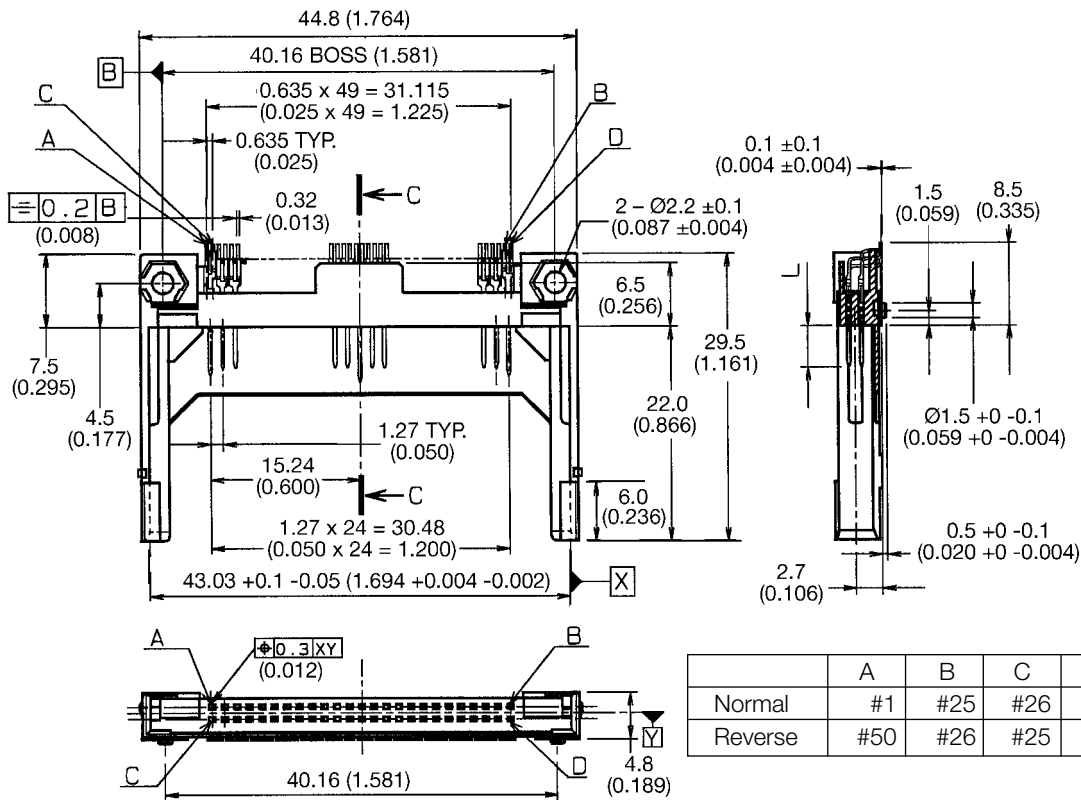
Connector Style		Ejector Style		How To Order		Page
Stand Off	Keying	Button Side		Connector	Ejector	
Type I Height=0	Normal	Straight	Left	31 5610 050 500 871	30 5610 000 001 000	34, 35
			Right	31 5610 050 500 871	30 5610 000 002 000	
		Foldable	Left	31 5610 050 500 871	30 5610 000 005 000	
			Right	31 5610 050 500 871	30 5610 000 006 000	
Type I Height=0	Reverse	Straight	Left	31 5610 050 550 871	30 5610 000 001 000	34, 35
			Right	31 5610 050 550 871	30 5610 000 002 000	
		Foldable	Left	31 5610 050 550 871	30 5610 000 005 000	
			Right	31 5610 050 550 871	30 5610 000 006 000	
Type I Height=2.0	Normal	Straight	Left	31 5610 050 210 871	30 5610 000 001 000	36, 37
			Right	31 5610 050 210 871	30 5610 000 002 000	
		Foldable	Left	31 5610 050 210 871	30 5610 000 005 000	
			Right	31 5610 050 210 871	30 5610 000 006 000	
Type I Height=2.0	Reverse	Straight	Left	31 5610 050 260 871	30 5610 000 001 000	36, 37
			Right	31 5610 050 260 871	30 5610 000 002 000	
		Foldable	Left	31 5610 050 260 871	30 5610 000 005 000	
			Right	31 5610 050 260 871	30 5610 000 006 000	
Type II Height=0	Normal	Straight	Left	31 5620 050 116 871	30 5620 000 001 000	38
			Right	31 5620 050 116 871	30 5620 000 002 000	
		Foldable	Left	31 5620 050 116 871	30 5620 000 005 000	
			Right	31 5620 050 116 871	30 5620 000 006 000	
Type II Height=2.0	Reverse	Straight	Left	31 5620 050 716 871	30 5620 000 001 000	39
			Right	31 5620 050 716 871	30 5620 000 002 000	
		Foldable	Left	31 5620 050 716 871	30 5620 000 005 000	
			Right	31 5620 050 716 871	30 5620 000 006 000	

Compact Flash Memory Card Connectors

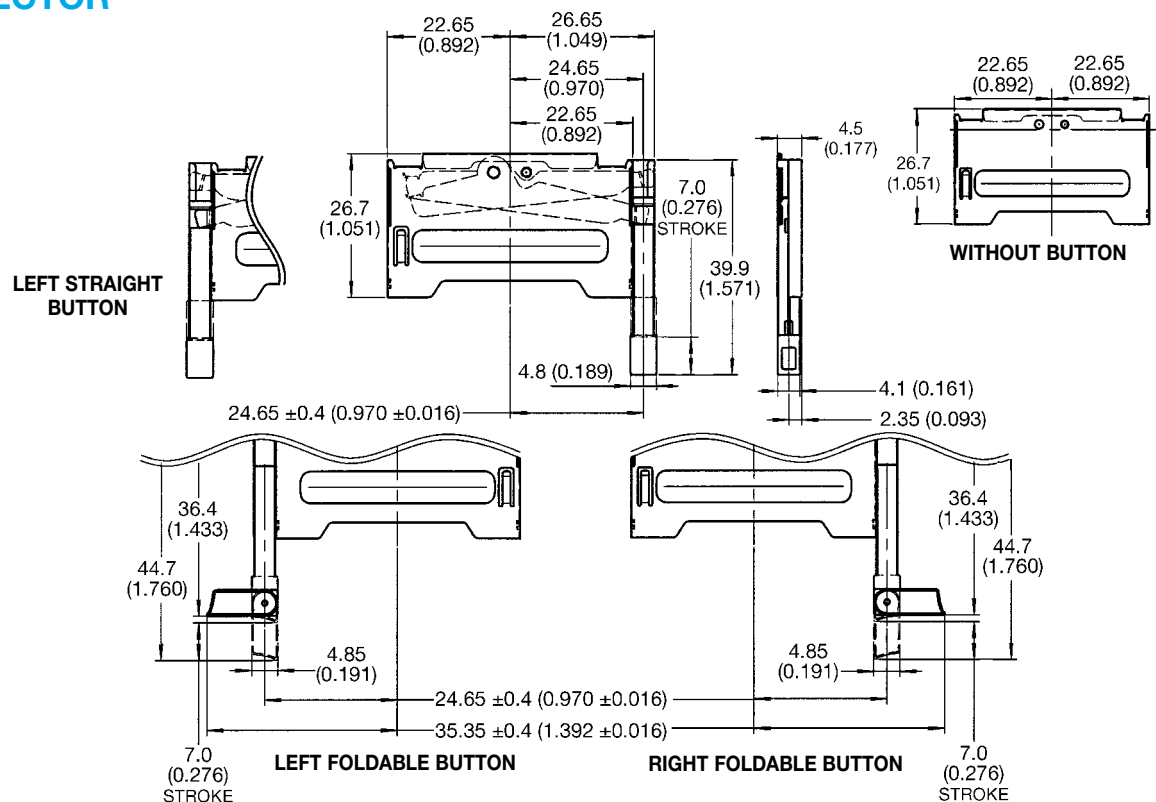


Series 5610 Header/Ejector Assembly H=0mm

CONNECTOR



EJECTOR



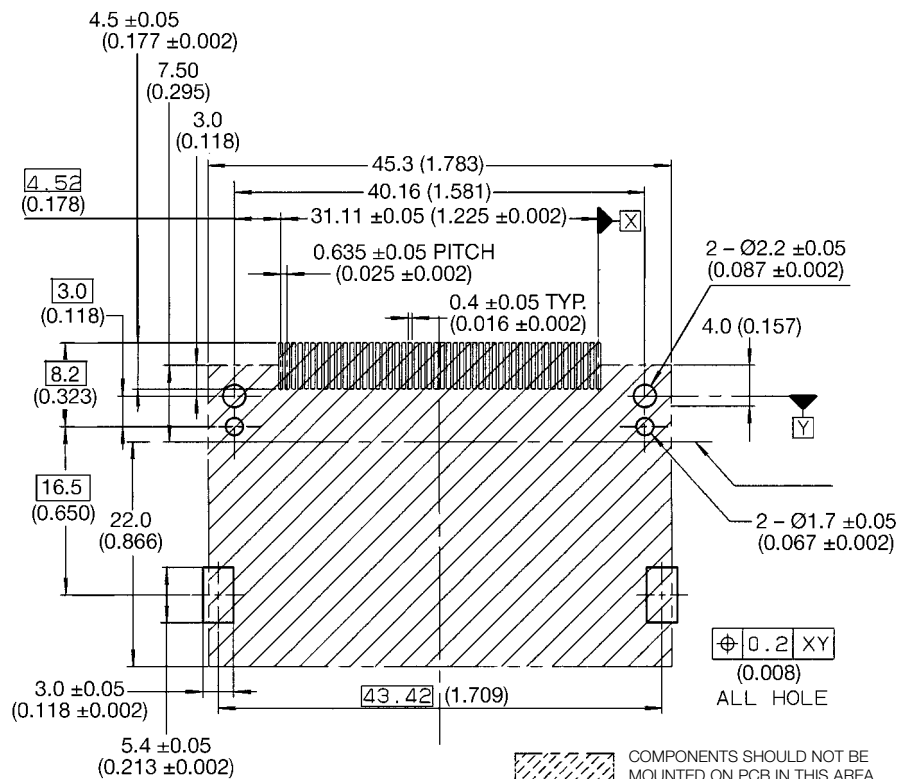
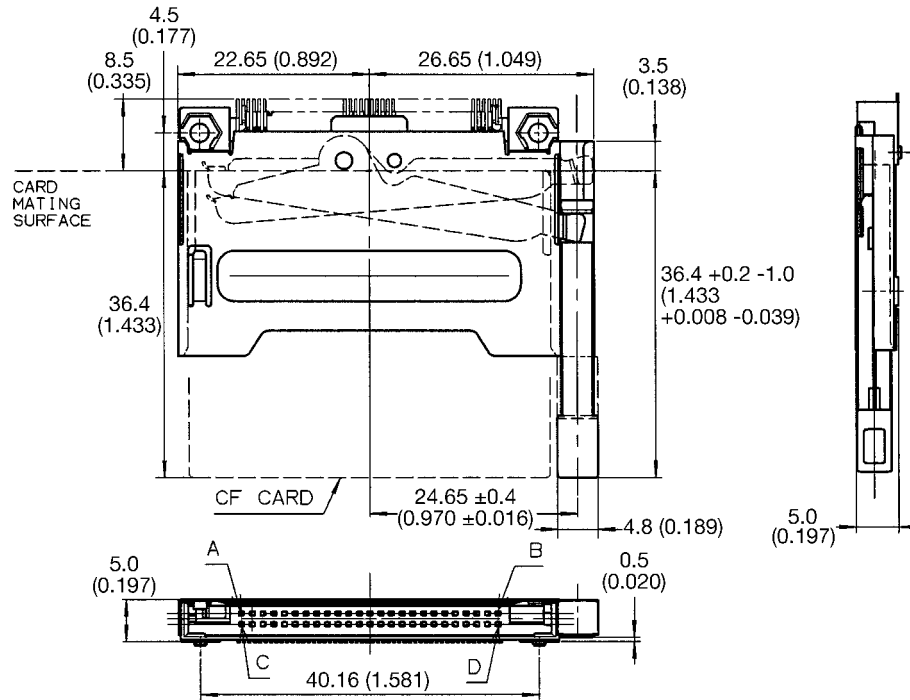
See page 33 for How To Order

Compact Flash Memory Card Connectors



Series 5610 Header/Ejector Assembly H=0mm

ASSEMBLY



RECOMMENDED PRINTED CIRCUIT LAYOUT

Height	Boss	Key	How To Order
H=0	0.5	Normal	31 5610 050 500 871
		Reverse	31 5610 050 550 871

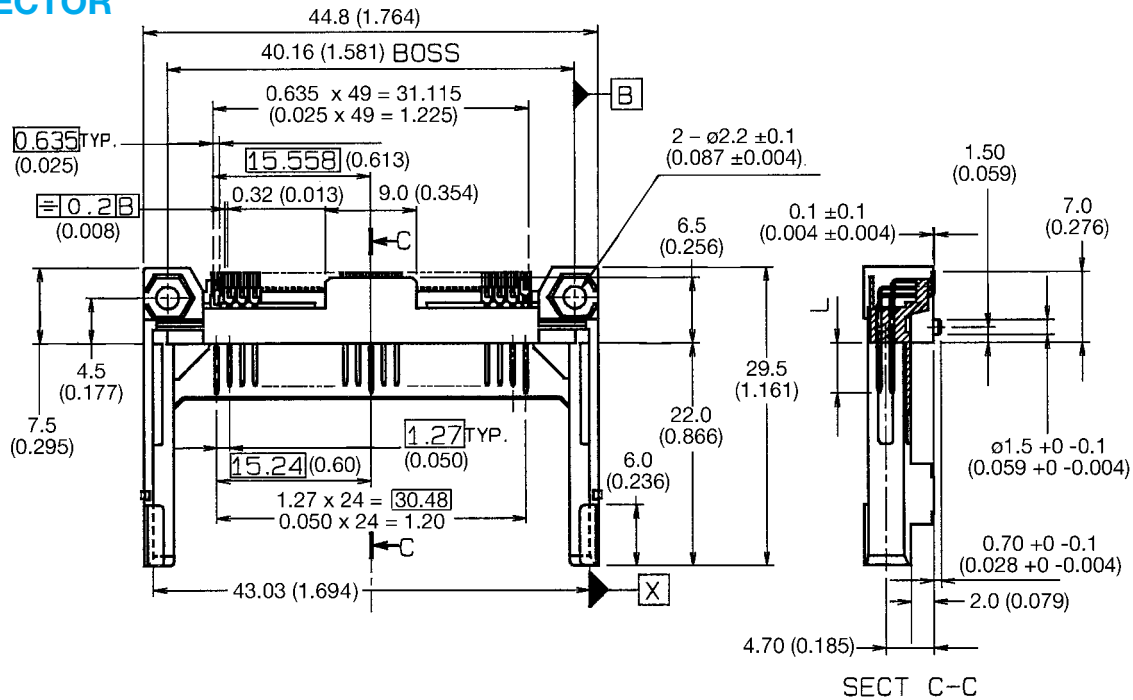
	A	B	C	D
Normal	#1	#25	#26	#50
Reverse	#50	#26	#25	#1

Compact Flash Memory Card Connectors

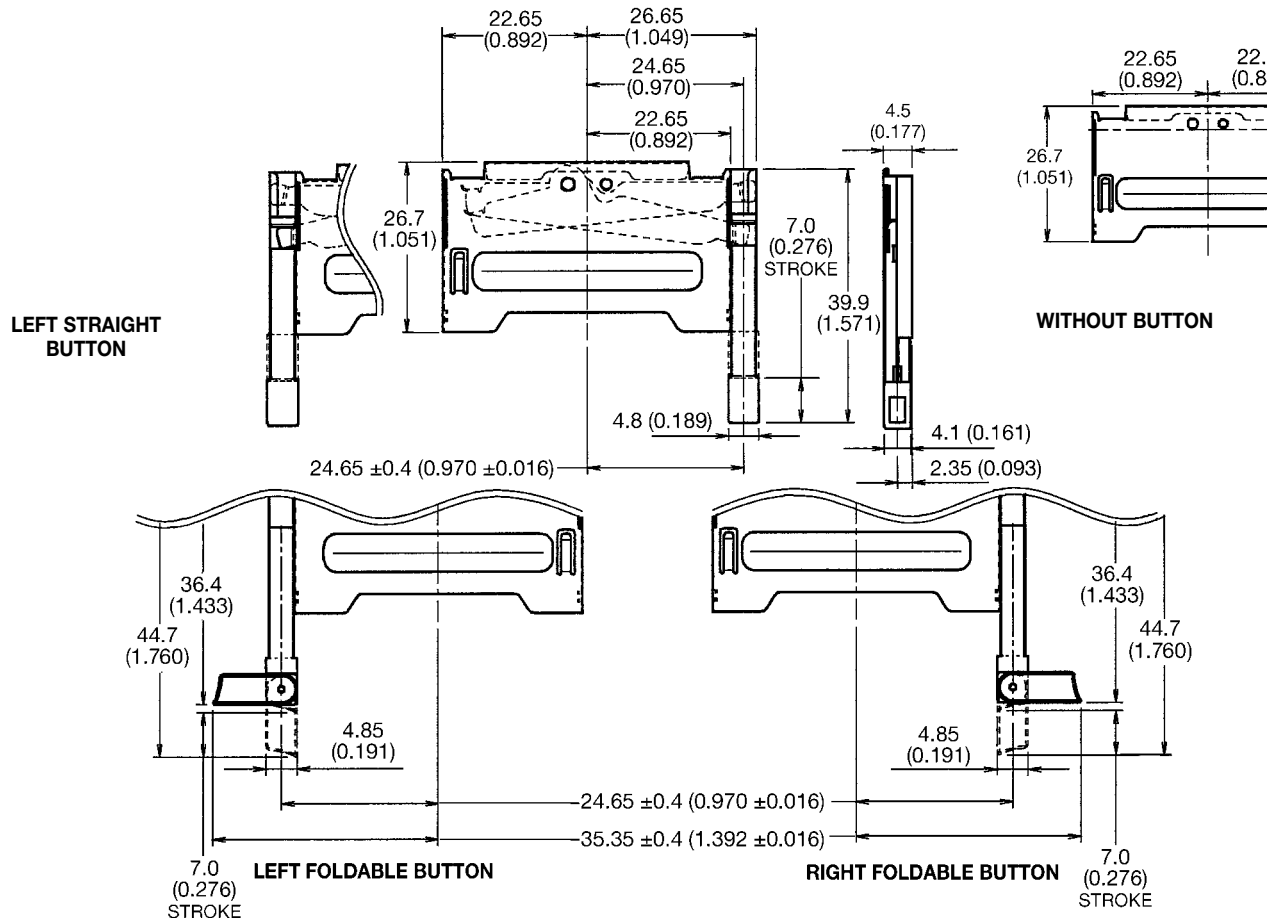


Series 5610 Header/Ejector Assembly H=2mm

CONNECTOR



EJECTOR



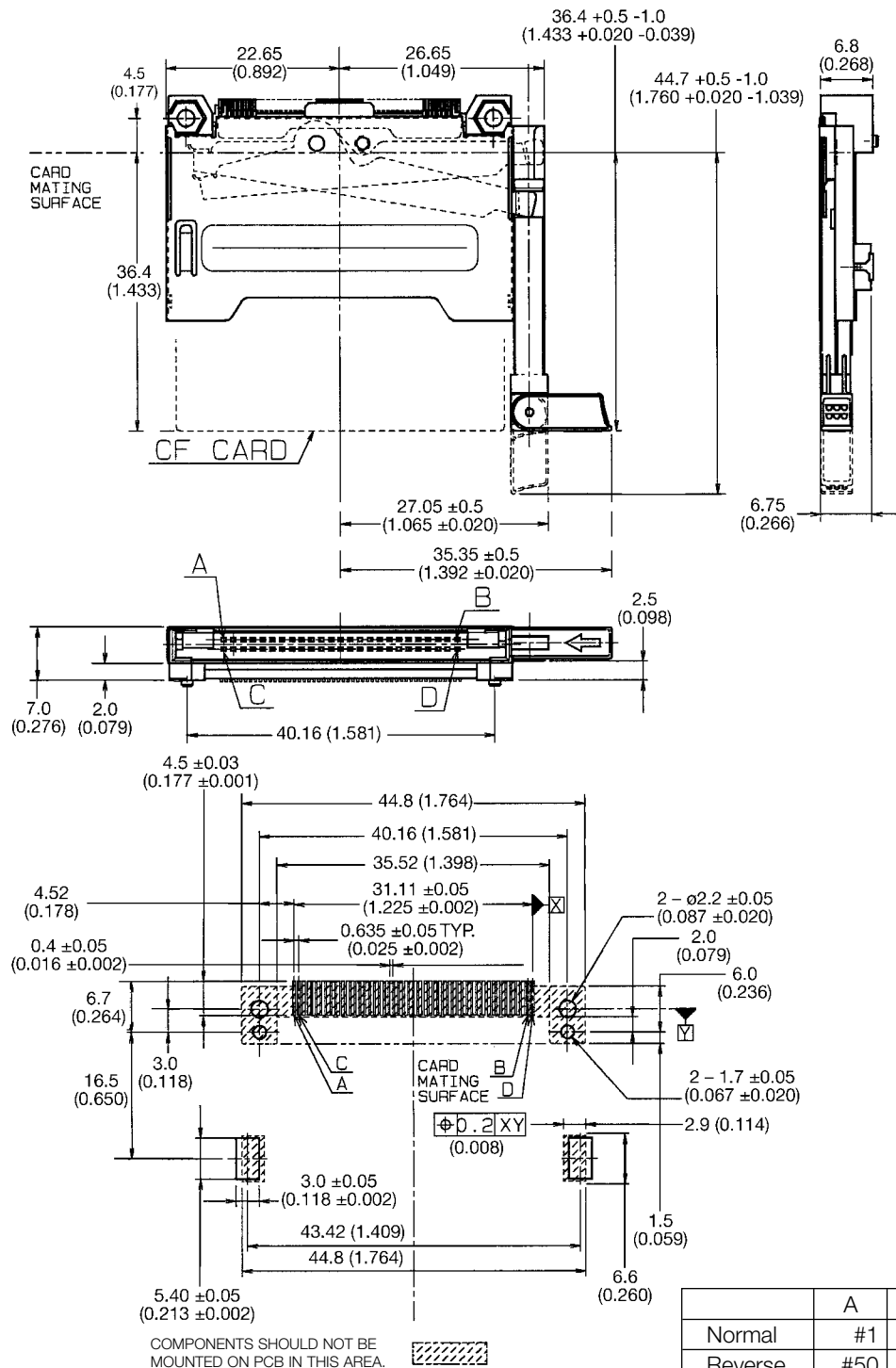
See page 33 for How To Order

Compact Flash Memory Card Connectors



Series 5610 Header/Ejector Assembly H=2mm

ASSEMBLY



RECOMMENDED PRINTED CIRCUIT LAYOUT

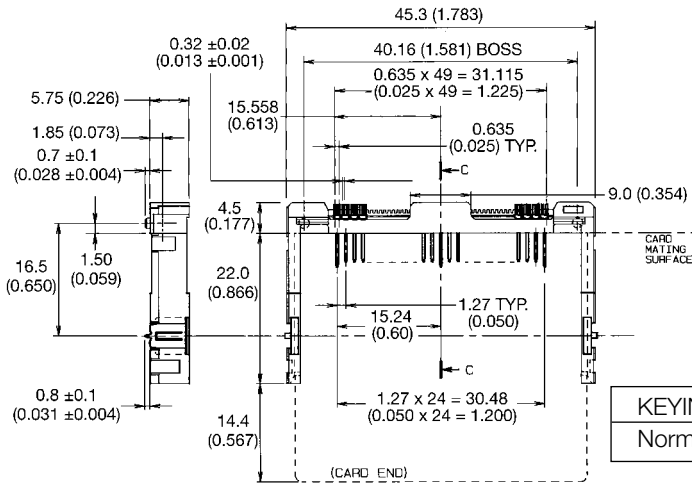
CONNECTOR			
Height	Boss	Key	How To Order
H=2.2	0.7	Normal	31 5610 050 210 871
		Reverse	31 5610 050 260 871

Compact Flash Memory Card Connectors



Series 5620 Header/Ejector Assembly H=0mm

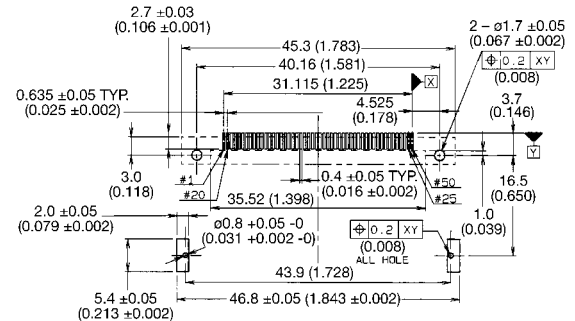
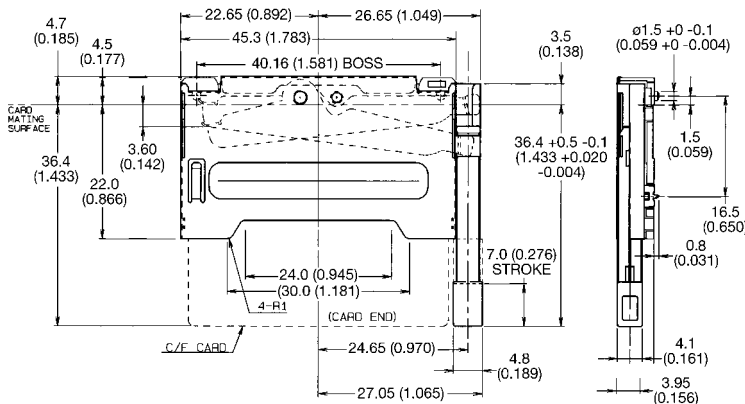
CONNECTOR



Description	Pin Number	
Power	1, 13, 38, 50	5.00
General	All other pins	4.25
Detect	25, 26	3.50

KEYING	A	B	C	D	E	F	G	H
Normal	1.4	0.78	1	13	25	26	38	50

ASSEMBLY



RECOMMENDED PRINTED CIRCUIT LAYOUT

CONNECTOR HOW TO ORDER

31 5620 050 116 871

EJECTOR HOW TO ORDER

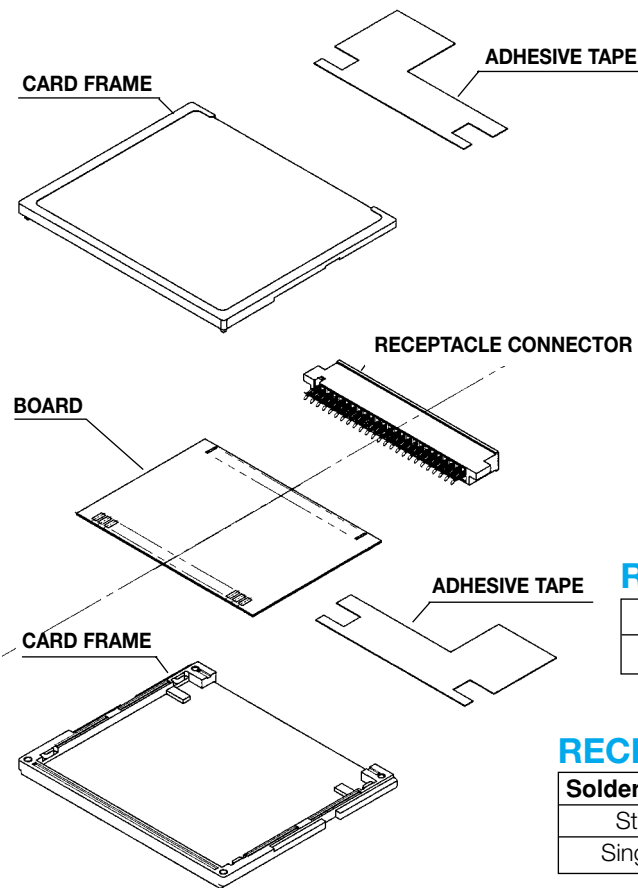
30 5620 000 XXX 000

Variation Code
See page 33

Compact Flash Memory Card Connectors



Series 5611/5612 How To Order



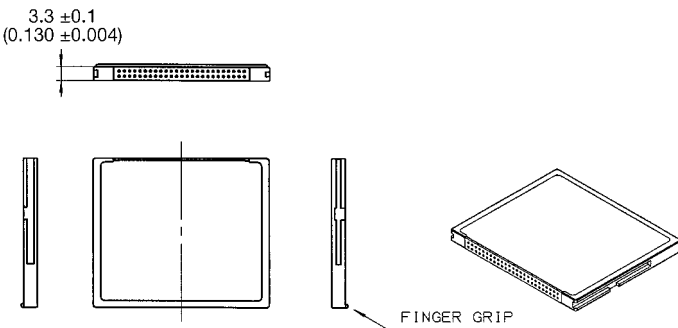
RECOMMENDED PRINTED CIRCUIT LAYOUT

KEYING	A	B	C	D	E	F	G	H
Normal	1.4	0.78	1	13	25	26	38	50

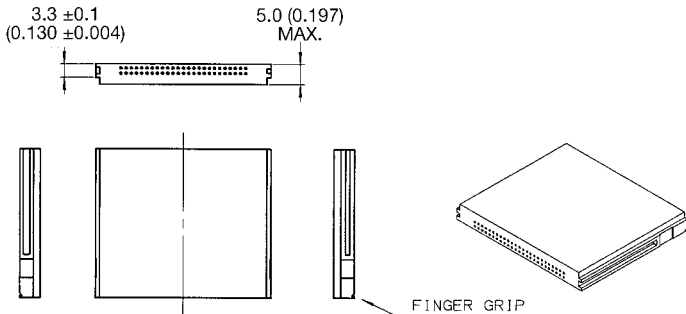
RECEPTACLE CONNECTOR SERIES 5611

Solder Tail Style	How To Order	Pkg. Qty.	Page
Straddle	20 5611 050 113 871	Semi-Hard Tray/60 pcs	42
Single Side	24 5611 050 214 061	Tape and Reel/1000 pcs	42

TYPE I



TYPE II



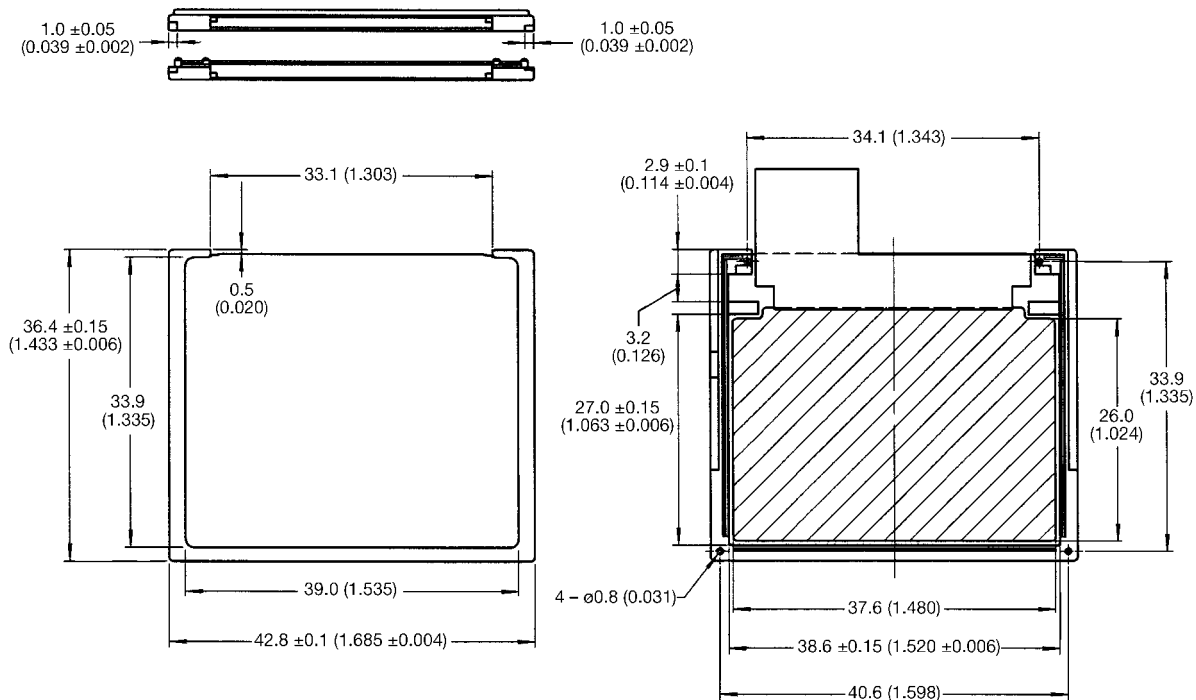
TYPE II CARD KIT
is not available now.

Compact Flash Memory Card Connectors

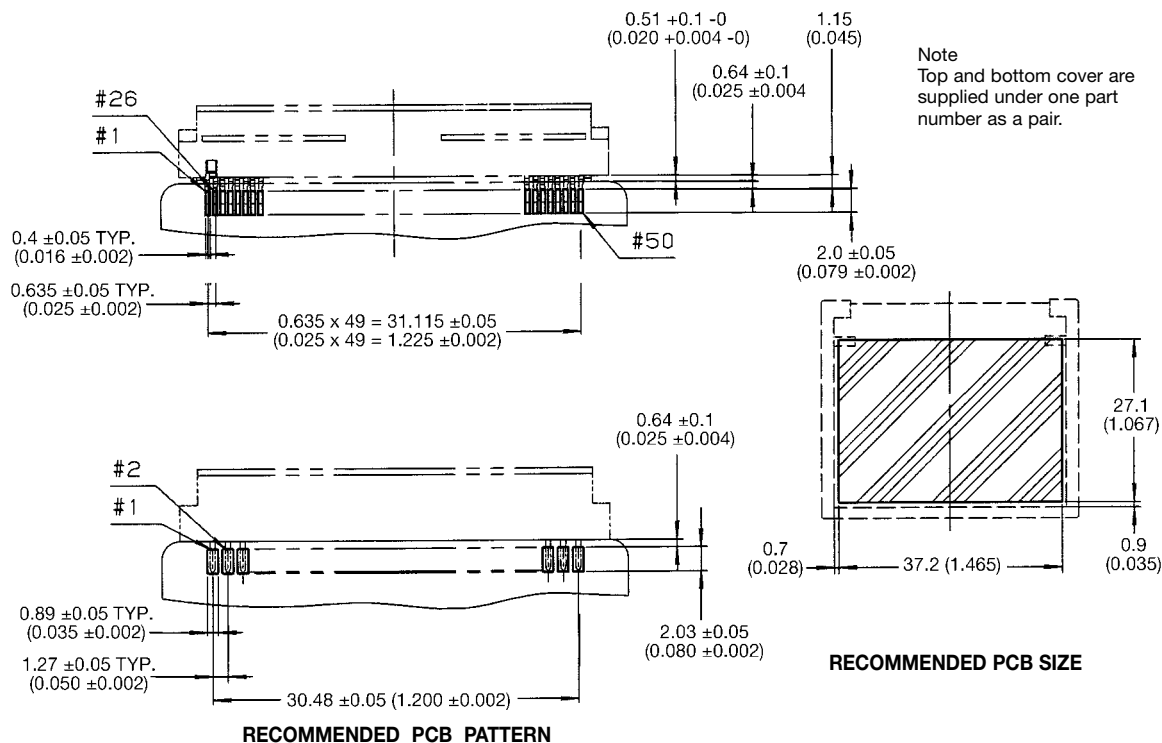


Series 5612 TYPE I Card Kit Covers

SERIES 5612 CARD KIT



	How To Order	Pkg. Qty.
With Insulating Tape	10 5612 100 000 011	24 pcs/Tray 240 pcs/Box

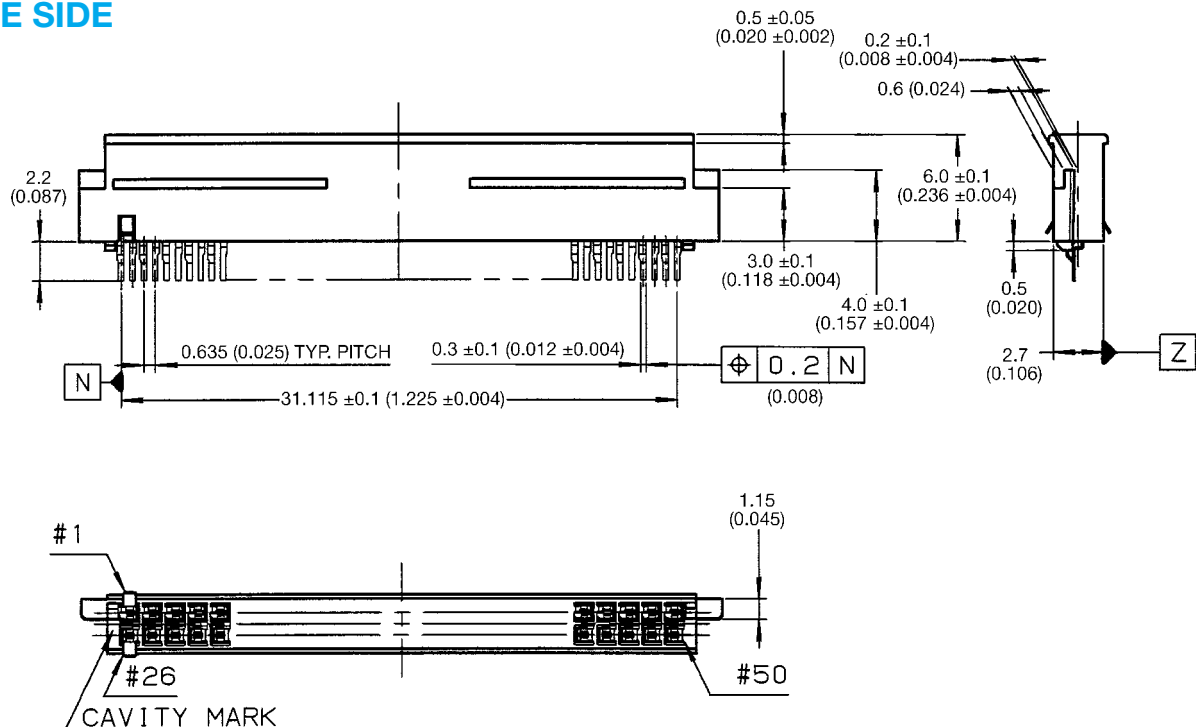


Compact Flash Memory Card Connectors



Series 5611 Receptacle Connector

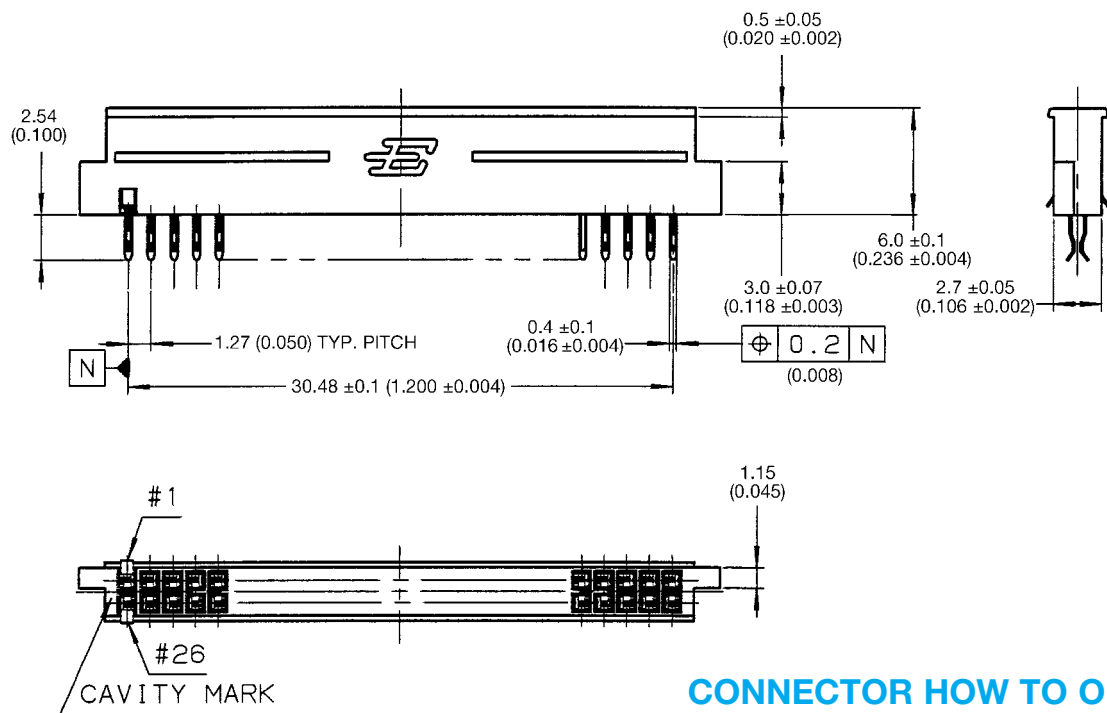
SINGLE SIDE



CONNECTOR HOW TO ORDER

24 5611 050 214 061

STRADDLE TAIL



CONNECTOR HOW TO ORDER

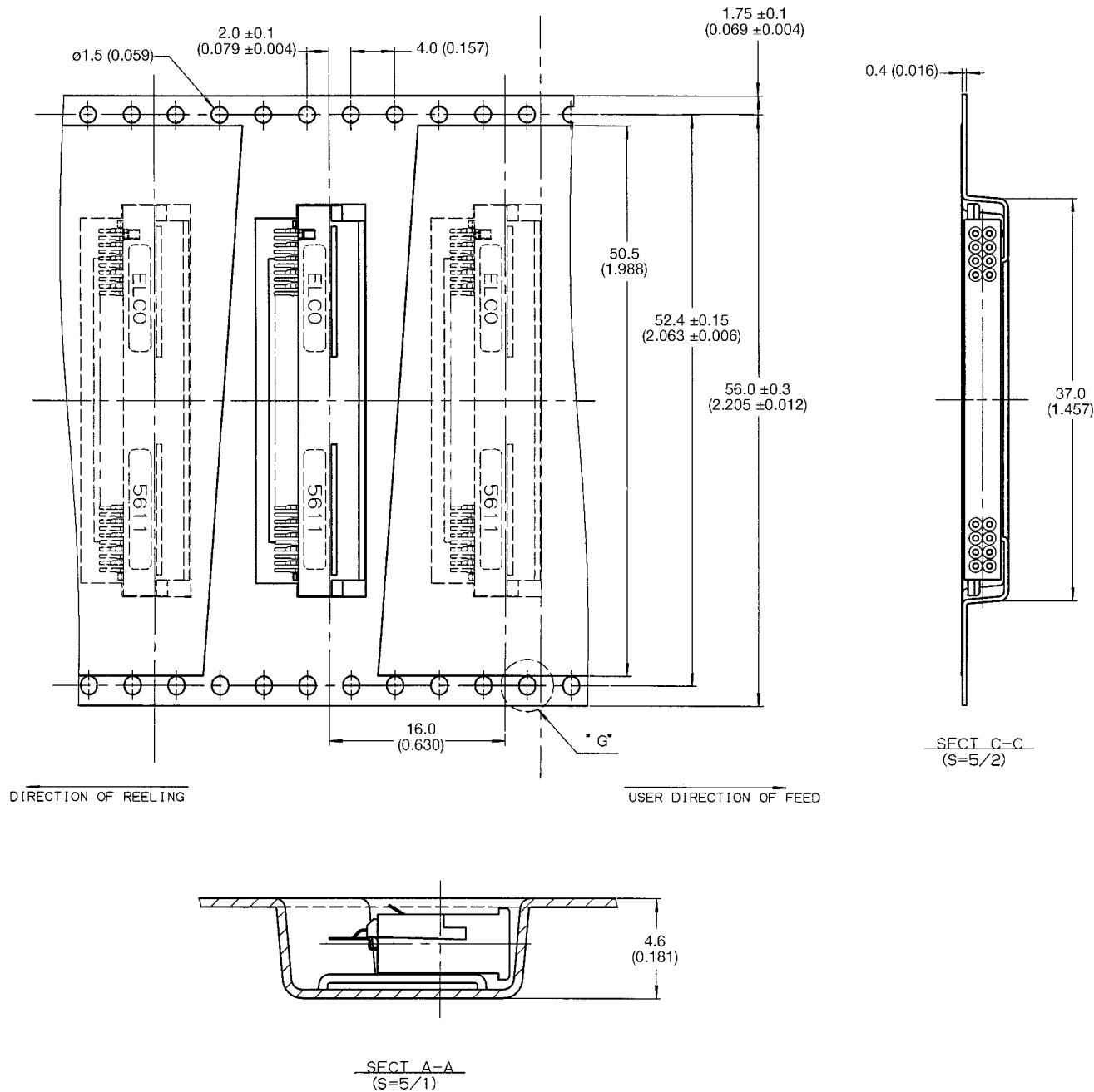
20 5611 050 113 871

Compact Flash Memory Card Connectors



Series 5611 Receptacle Connector Package

TAPE AND REEL PACKAGE



CONNECTOR HOW TO ORDER

24 5611 050 XXX XXX

113 Straddle 871
214 Single Side 061

1000 pieces per Tape and Reel

Multi Media Card Connectors



Features/Benefits

SERIES 5038

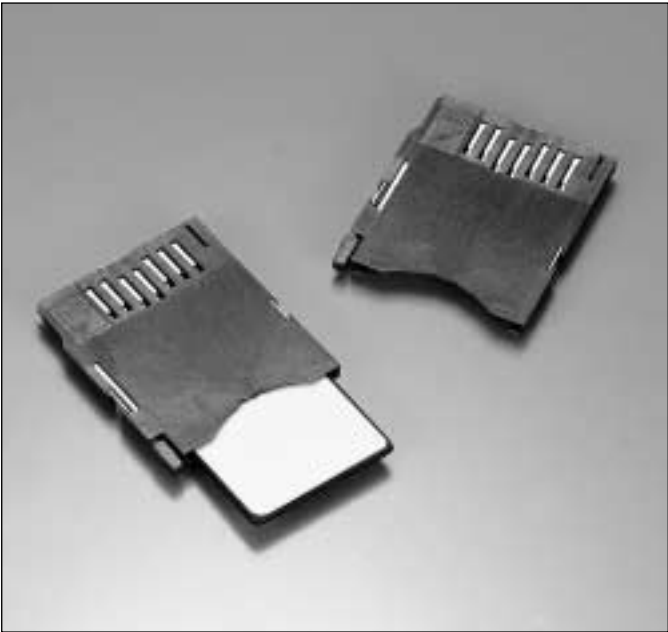
Series 5038 is the MMC (Multi Media Card) Connector developed to comply with the requirement of high-density mounting in the market and designed especially for the slim type Note PC and Portable equipment.

FEATURES

- SMT, Single, Reverse Type
- Correspond to the size of MMC Card (32mm (1.260) x 24mm (0.945) x 1.4mm (0.055))
- Both ejector and without ejector type available
- Ejector type achieves easy insertion and separation of card
- Low-profile of as much as 2.6mm (0.102)
- Adoption of guide rail type which prevents the direct contact of card on the board for the low-profile design
- High durability for 10,000 cycles insertion/separation

TECHNICAL SPECIFICATIONS

Number of Contacts:	7P
Pitch:	2.5mm (0.098)
Current Rating:	AC0.5A Max. DC0.5A Pin
Voltage Rating:	AC5V DC5V Pin
DW Voltage:	500V rms/min.
Mating Cycles	10,000



PRODUCT SELECTION GUIDE

Keying	Ejector Style		How To Order	Page
Reverse	With ejector	Reflow pin type	10 5038 007 052 862	45
	Without ejector	Reflow pin type	10 5038 007 252 862	46
		SMT Type	10 5038 007 251 862	46
	Push/Push ejector	Reflow pin type	10 5038 007 353 862	47
		SMT Type	10 5038 007 354 862	47

Technical drawing of the ELC050BE30 series cavity, showing dimensions in mm and inches.

Top View:

- Overall width: 34.75 ± 0.1 (1.368)
- Overall height: 29.9 ± 0.1 (1.177)
- Top edge features: 0.5 ± 0.1 (0.020 $\pm$ 0.004), 15.0 ± 0.1 (0.591 $\pm$ 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 $\pm$ 0.004)
- Right edge features: 3.0 (0.118), 16.91 (0.666), 4.0 (0.157), $R14.37$ (0.566), 1.5 (0.059) (BUTTON STROKE)
- Bottom edge features: 1.9 (0.075)
- Internal features: 0.7 (0.028), 1.55 (0.061), 12.75 (0.502), 23.22 (0.914), 27.9 (1.098), 11.15 (0.439), 2.4 (0.094), 2.45 (0.096)

Side View:

- Overall width: 34.75 ± 0.1 (1.368)
- Overall height: 29.9 ± 0.1 (1.177)
- Top edge features: 0.7 (0.028), 1.55 (0.061), 12.75 (0.502), 23.22 (0.914), 27.9 (1.098), 11.15 (0.439), 2.4 (0.094), 2.45 (0.096)
- Right edge features: 3.0 (0.118), 16.91 (0.666), 4.0 (0.157), $R14.37$ (0.566), 1.5 (0.059) (BUTTON STROKE)
- Bottom edge features: 1.9 (0.075)
- Internal features: 0.5 ± 0.1 (0.020 $\pm$ 0.004), 15.0 ± 0.1 (0.591 $\pm$ 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 $\pm$ 0.004)

Bottom View:

- Overall width: 34.75 ± 0.1 (1.368)
- Overall height: 29.9 ± 0.1 (1.177)
- Top edge features: 0.5 ± 0.1 (0.020 $\pm$ 0.004), 15.0 ± 0.1 (0.591 $\pm$ 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 $\pm$ 0.004)
- Right edge features: 3.0 (0.118), 16.91 (0.666), 4.0 (0.157), $R14.37$ (0.566), 1.5 (0.059) (BUTTON STROKE)
- Bottom edge features: 1.9 (0.075)
- Internal features: 0.7 (0.028), 1.55 (0.061), 12.75 (0.502), 23.22 (0.914), 27.9 (1.098), 11.15 (0.439), 2.4 (0.094), 2.45 (0.096)

Front View:

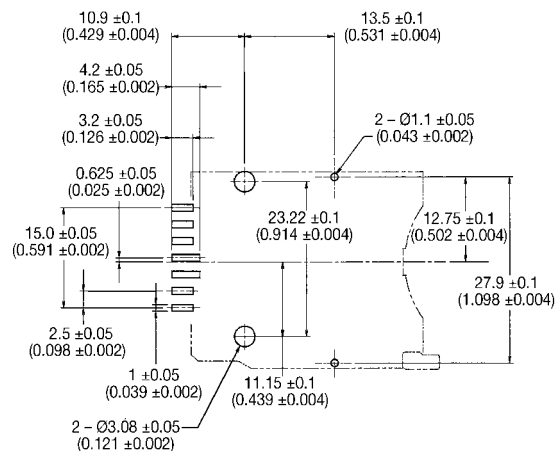
- Overall width: 34.75 ± 0.1 (1.368)
- Overall height: 29.9 ± 0.1 (1.177)
- Top edge features: 0.5 ± 0.1 (0.020 $\pm$ 0.004), 15.0 ± 0.1 (0.591 $\pm$ 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 $\pm$ 0.004)
- Right edge features: 3.0 (0.118), 16.91 (0.666), 4.0 (0.157), $R14.37$ (0.566), 1.5 (0.059) (BUTTON STROKE)
- Bottom edge features: 1.9 (0.075)
- Internal features: 0.7 (0.028), 1.55 (0.061), 12.75 (0.502), 23.22 (0.914), 27.9 (1.098), 11.15 (0.439), 2.4 (0.094), 2.45 (0.096)

Back View:

- Overall width: 34.75 ± 0.1 (1.368)
- Overall height: 29.9 ± 0.1 (1.177)
- Top edge features: 0.5 ± 0.1 (0.020 $\pm$ 0.004), 15.0 ± 0.1 (0.591 $\pm$ 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 $\pm$ 0.004)
- Right edge features: 3.0 (0.118), 16.91 (0.666), 4.0 (0.157), $R14.37$ (0.566), 1.5 (0.059) (BUTTON STROKE)
- Bottom edge features: 1.9 (0.075)
- Internal features: 0.7 (0.028), 1.55 (0.061), 12.75 (0.502), 23.22 (0.914), 27.9 (1.098), 11.15 (0.439), 2.4 (0.094), 2.45 (0.096)

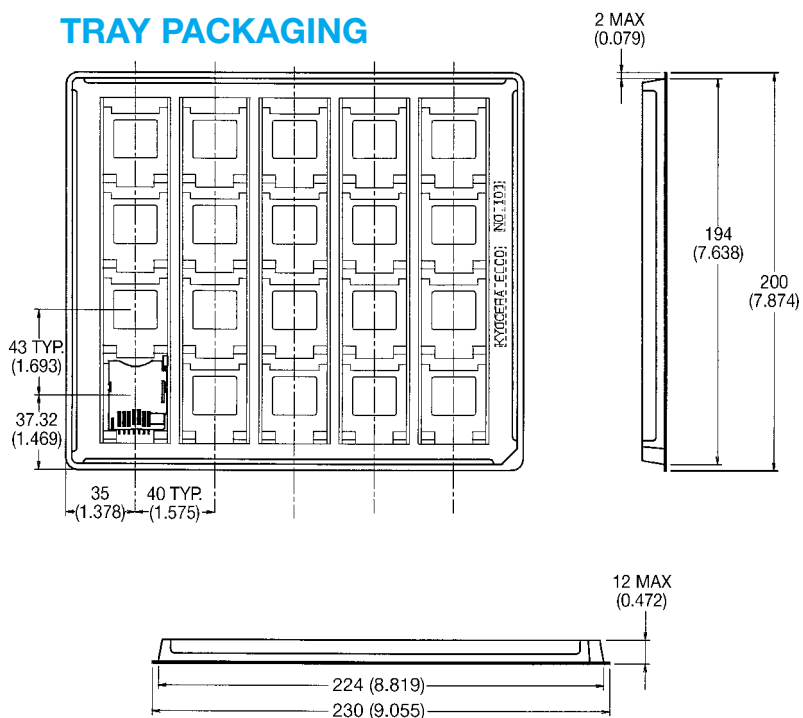
Isometric View:

- Overall width: 34.75 ± 0.1 (1.368)
- Overall height: 29.9 ± 0.1 (1.177)
- Top edge features: 0.5 ± 0.1 (0.020 $\pm$ 0.004), 15.0 ± 0.1 (0.591 $\pm$ 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 $\pm$ 0.004)
- Right edge features: 3.0 (0.118), 16.91 (0.666), 4.0 (0.157), $R14.37$ (0.566), 1.5 (0.059) (BUTTON STROKE)
- Bottom edge features: 1.9 (0.075)
- Internal features: 0.7 (0.028), 1.55 (0.061), 12.75 (0.502), 23.22 (0.914), 27.9 (1.098), 11.15 (0.439), 2.4 (0.094), 2.45 (0.096)



10 5038 007 052 862

TRAY PACKAGING

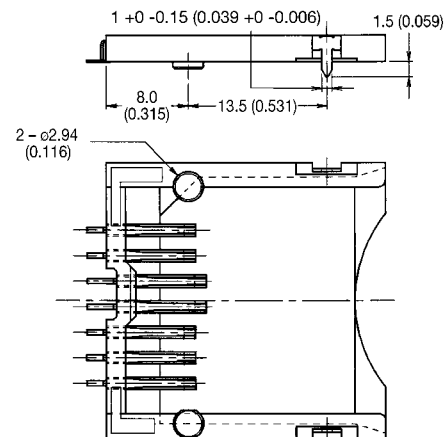
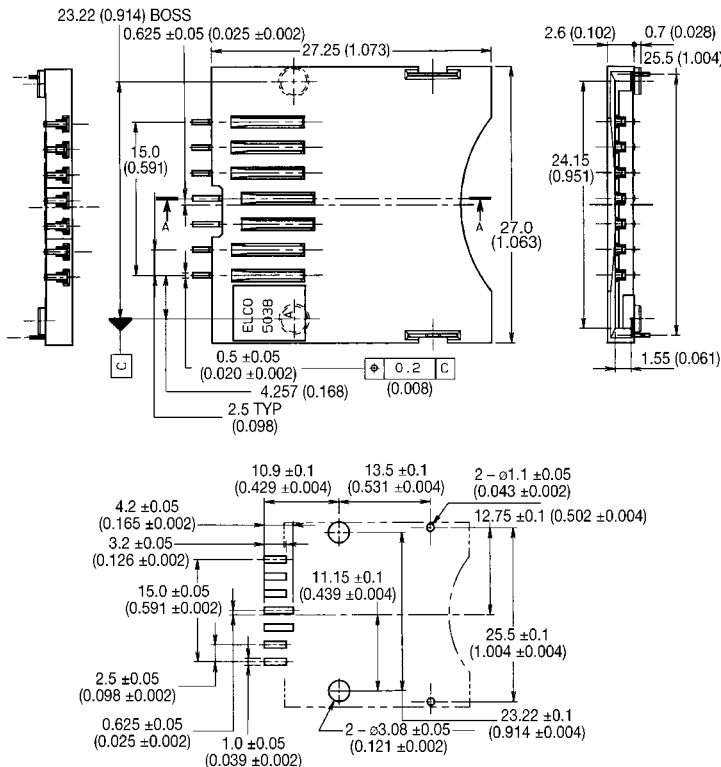


Multi Media Card Connectors

Series 5038 Without Ejector



REFLOW PIN TYPE



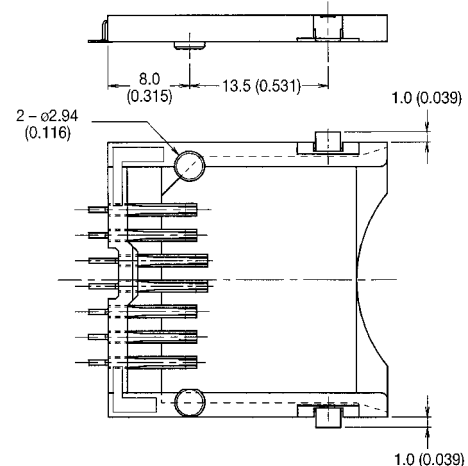
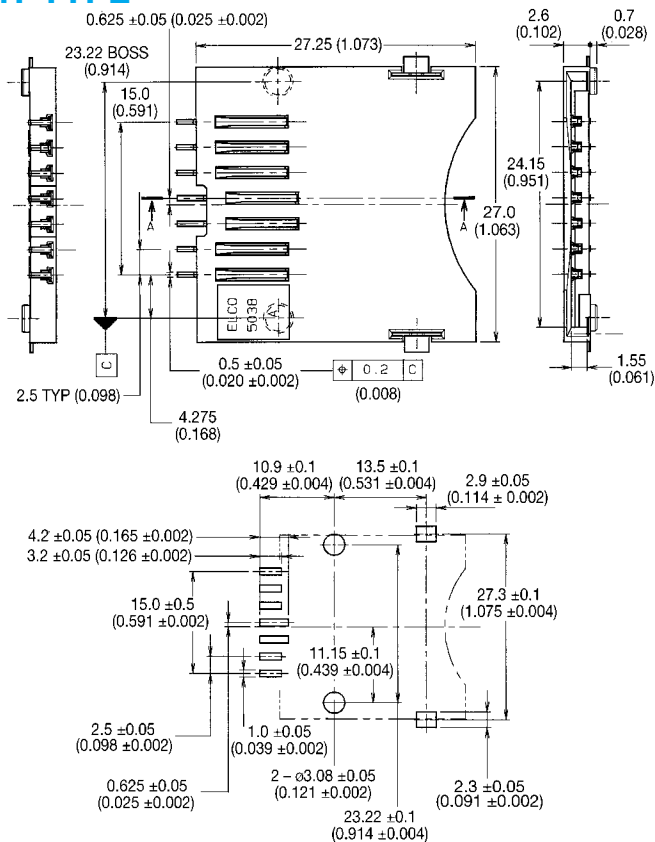
HOW TO ORDER

10 5038 007 252 862

QUANTITY: 25/TRAY
250/BOX

RECOMMENDED PC BOARD LAYOUT

SMT TYPE



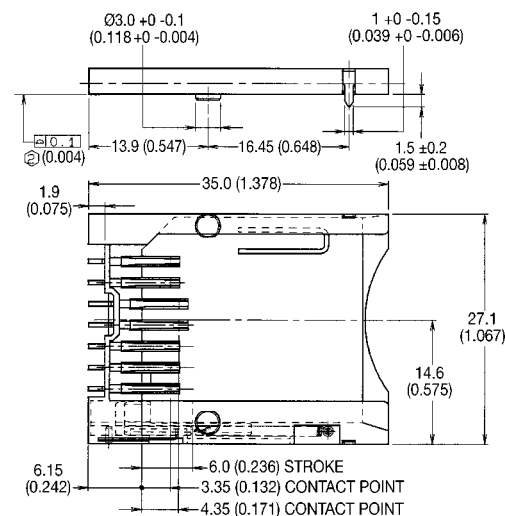
HOW TO ORDER

10 5038 007 251 862

QUANTITY: 25/TRAY
500/BOX

RECOMMENDED PC BOARD LAYOUT

REFLOW PIN TYPE



10 5038 007 353 862

QUANTITY: 25/TRAY
250/BOX

Technical drawing of a 16-pin D-subminiature connector. The drawing includes a side view at the top showing the connector's profile with dimensions: 0.5 ± 0.1 (0.020 ± 0.004), 2.75 (0.108), 1.15 (0.045), 0.7 (0.028), 3.0 (0.118), 0.7 (0.028), and 1.55 (0.061). The main front view shows the 16 pins with dimensions: 15 ± 0.1 (0.591 ± 0.004), 0.625 (0.025), 6.875 (0.271), 2.5 ± 0.1 (0.098 ± 0.004), 1.9 (0.075), 3.15 (0.124) FULL, 4.15 (0.163) LOCK, 17 (0.669), 24.15 (0.951), 23.14 (0.911), 1.05 (0.041), INS CL., SLOT CL., and R14.4 (0.567). A detail view of the locking mechanism shows dimensions: 14.9 ± 0.1 (0.587 ± 0.004), 4.2 ± 0.05 (0.165 ± 0.002), 2.3 ± 0.05 (0.091 ± 0.002), 0.625 ± 0.05 (0.025 ± 0.002), 15.0 ± 0.05 (0.591 ± 0.002), 2.5 ± 0.05 (0.098 ± 0.002), 1.0 ± 0.05 (0.039 ± 0.002), 2 - Ø 3.08 ± 0.05 (0.121 ± 0.002), 11.07 ± 0.1 (0.436 ± 0.004), 23.14 ± 0.1 (0.911 ± 0.004), 28.7 ± 0.1 (1.130 ± 0.004), 1.05 (0.041), 1.5 ± 0.05 (0.059 ± 0.002), 16.45 ± 0.1 (0.648 ± 0.004), and 2.3 ± 0.05 (0.091 ± 0.002).

10 5038 007 354 862

QUANTITY: 20/TRAY
400/BOX

Secure Digital Memory Card Connectors



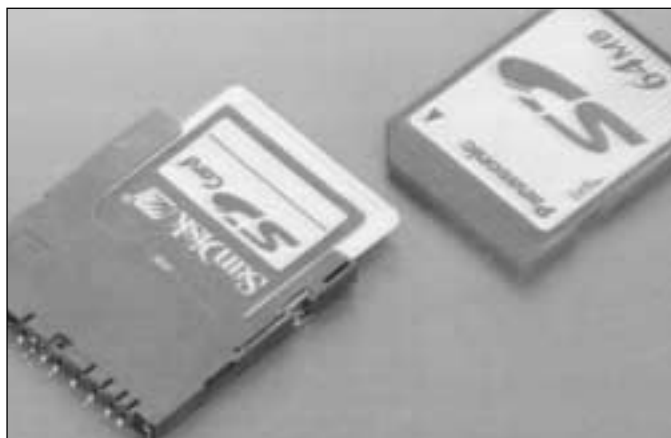
Features/Benefits

SERIES 5638

SD (Secure Digital) Memory Card technology is emerging as the next industry standard for removable flash memory and input/output devices. AVX has developed a complete range of top and bottom mount connectors with and without ejector features for such applications as MP3 Players, PDAs, Cellular Phones, Digital Cameras, Digital Camcorder, etc.

FEATURES

- Conforms to SDA (Secure Digital Association) requirements
- Low profile 2.9mm height
- Integral guide rails
- Location boss's and solder tabs
- Normal and reverse keying
- Card detection feature
- Accepts both SD and Multimedia Cards
- Tape and reel packaging
- Mating cycles 10,000



ELECTRICAL CHARACTERISTICS

Current Rating: 0.5A
Voltage Rating: 5V
Insulation Resistance: 1000M Ω min.
Contact Resistance: 40m Ω max.
DW Voltage: AC 500V

CLIMATIC CHARACTERISTICS

Operating Temperature: -25°C to +90°C

PRODUCT SELECTION GUIDE

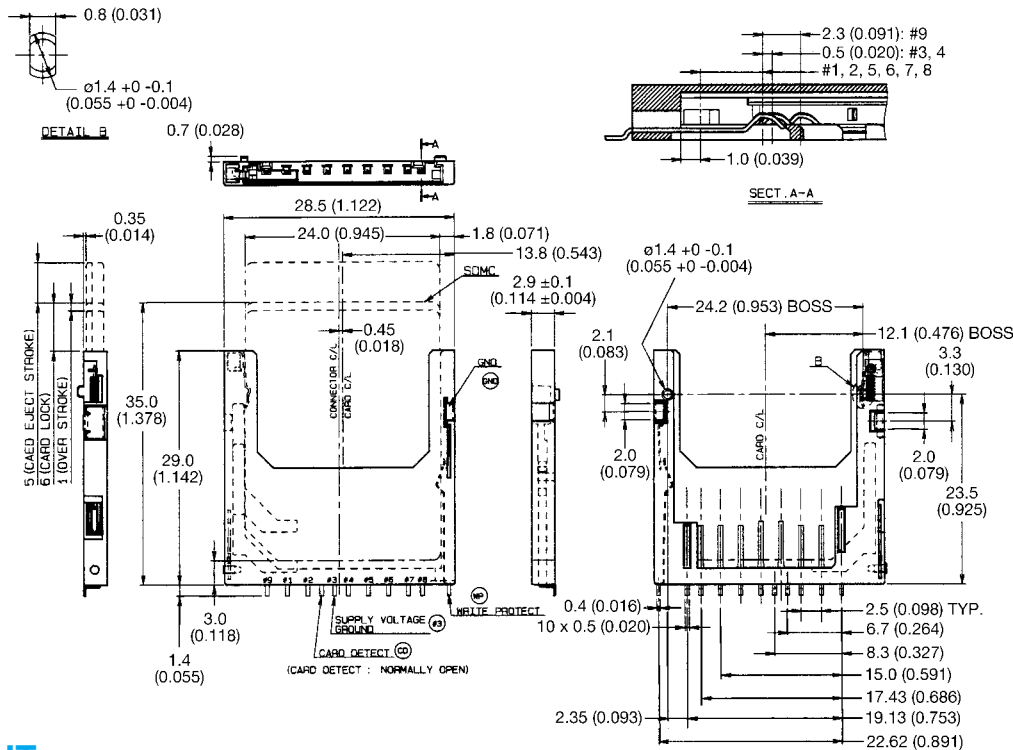
Keying	PCB Mounting	Height	Ejector Style	How To Order	Page
Normal	Top	2.9mm	Push/Push Ejector	14 5638 009 511 862	49
Reverse	Bottom	2.9mm	Push/Push Ejector	14 5638 109 511 862	50
Normal	Top	2.9mm	Without Ejector	14 5638 009 211 862	51
Reverse	Bottom	2.9mm	Without Ejector	14 5638 109 211 862	52

Secure Digital Memory Card Connectors

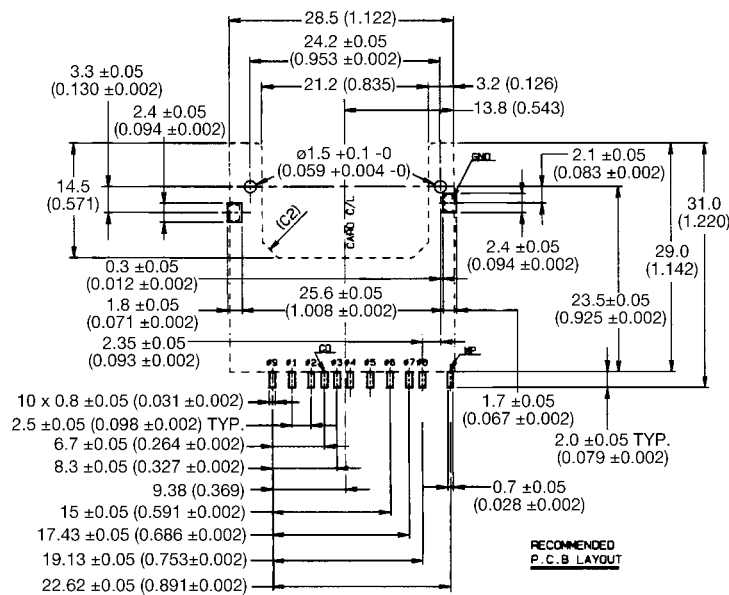


Series 5638 Spring Eject Type

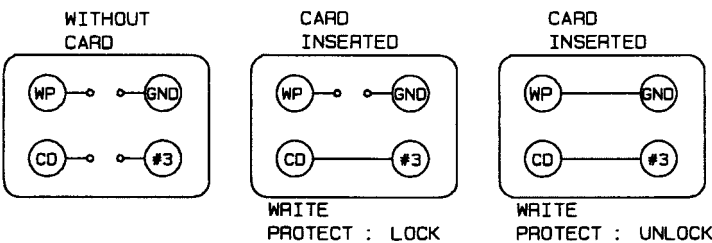
NORMAL



PCB LAYOUT



CIRCUIT

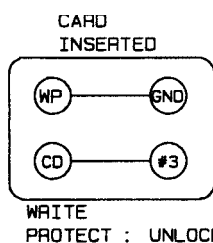


HOW TO ORDER

14 5638 009 511 862

250 pieces per Tape and Reel

REVERSE



HOW TO ORDER

14

5638

109

511

862

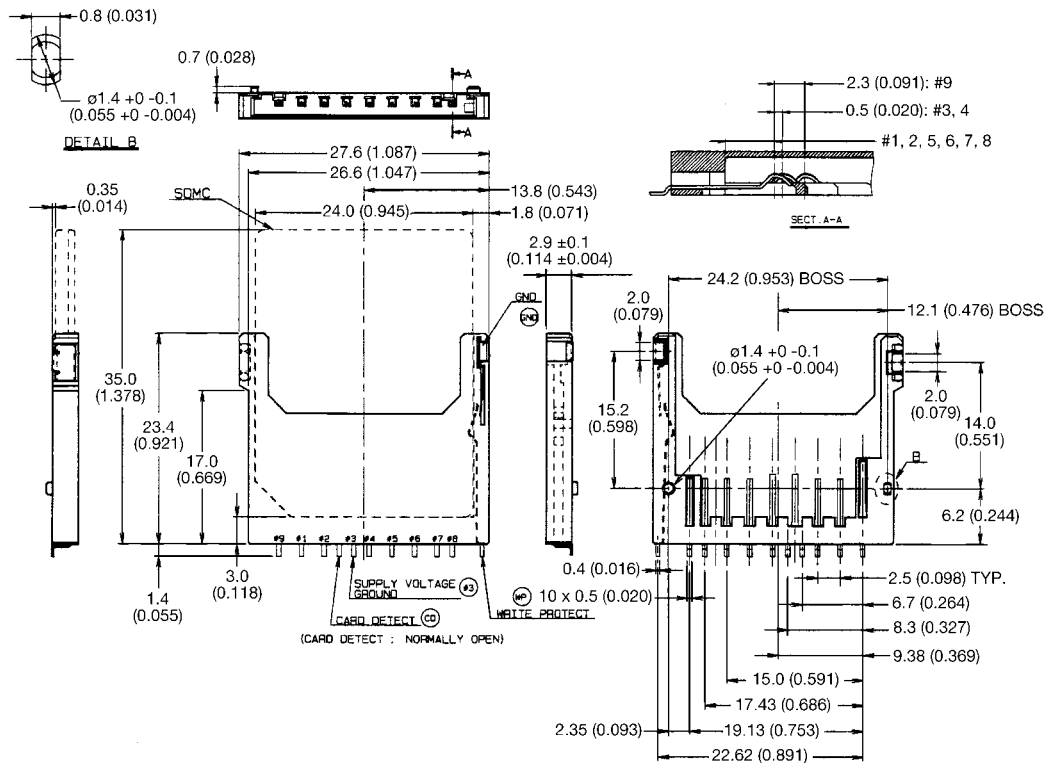
250 pieces per Tape and Reel

Secure Digital Memory Card Connectors

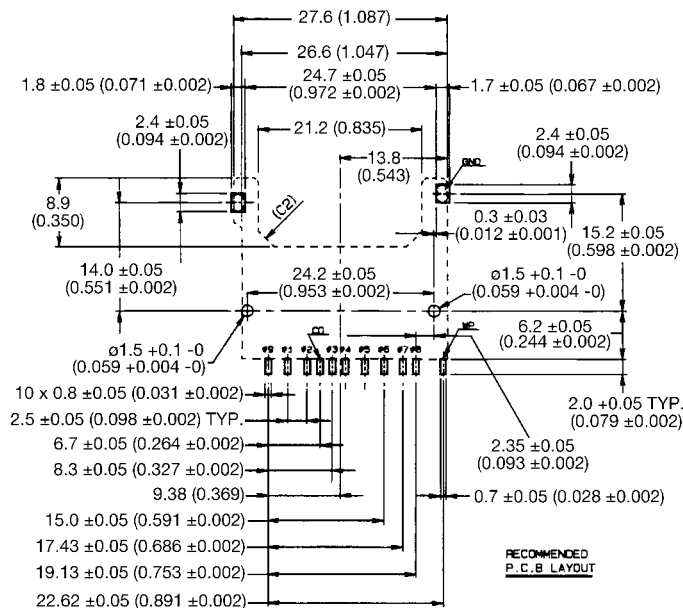


Series 5638 Without Eject Type

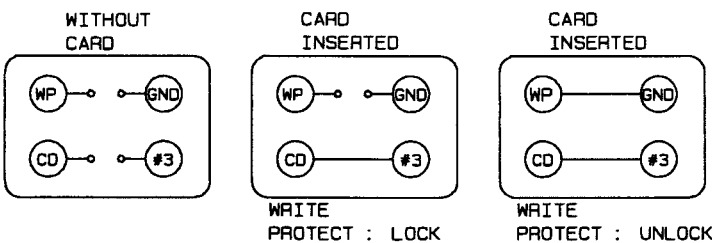
NORMAL



PCB LAYOUT



CIRCUIT



HOW TO ORDER

14 5638 009 211 862

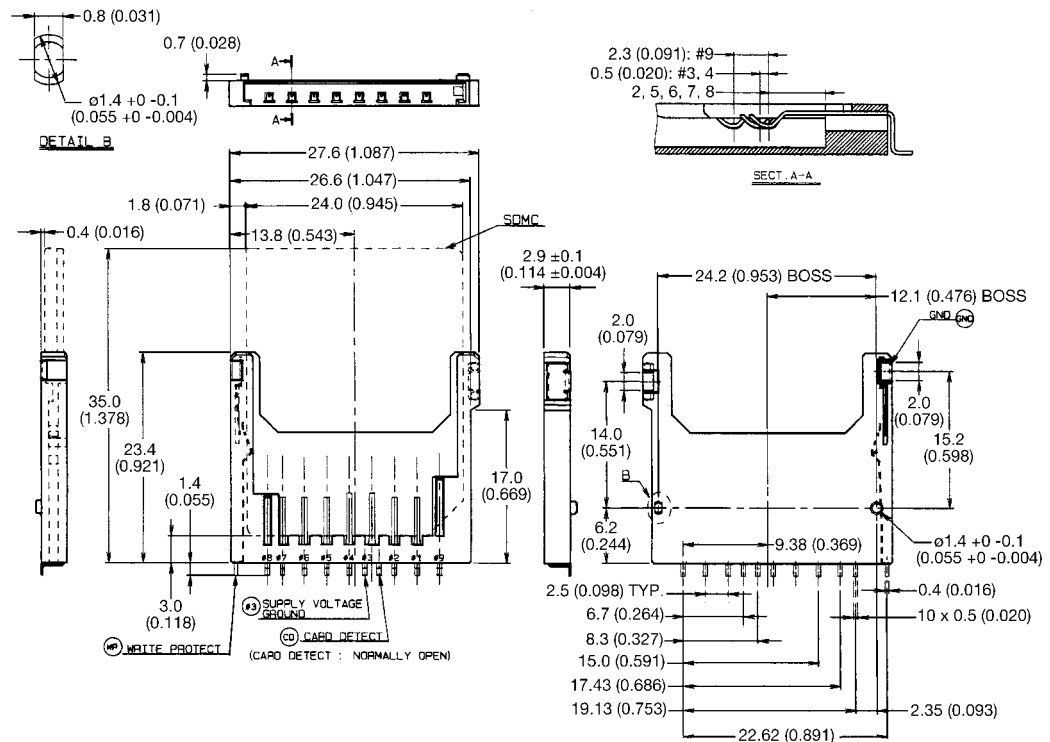
250 pieces per Tape and Reel

Secure Digital Memory Card Connectors

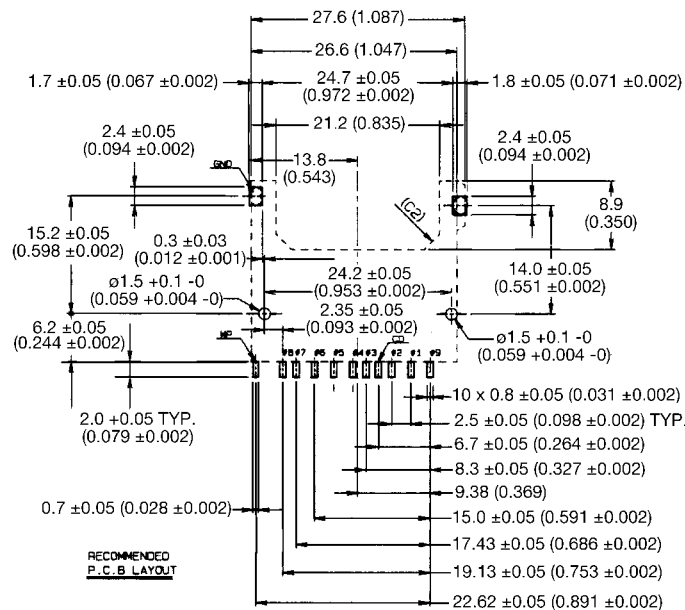


Series 5638 Without Eject Type

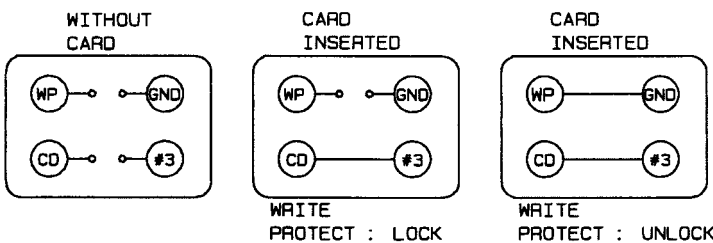
REVERSE



PCB LAYOUT



CIRCUIT



HOW TO ORDER

14 5638 109 211 862

250 pieces per Tape and Reel

S.O. DIMM Connectors



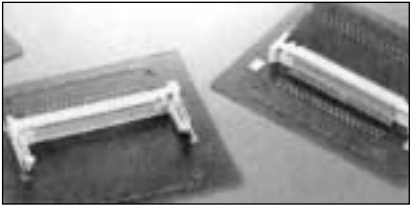
Features/Benefits

SERIES 6401

Series 6401 is a right-angle SMT connector, conforming to JEDEC MO-160 standard of S.O. DIMM.

TECHNICAL SPECIFICATIONS

Application:	RA SMT Plastic Latch	DW Voltage:	500V rms/min.
Pitch:	1.27mm (0.050)	Contact Material:	Phosphor Bronze
Number of Contacts:	72	Insulator Material:	LCP
Height:	5.5mm (0.217)	Operating Temperature:	-55°C~85°C
Current Rating:	0.5A Max.		95% Max.
Voltage Rating:	125V Max.	Standard:	JEDEC MO-160
Mating Cycles	25		

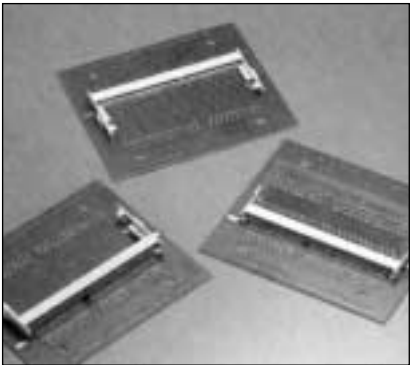


SERIES 6402

Series 6402 is a right-angle SMT connector, conforming to JEDEC standard of 8-byte S.O. DIMM. It is a low cost type connector with plastic latch and has a wide variety of profile height (4.0/5.2/5.6mm). Memory modules are firmly inserted and locked by two simple latches.

TECHNICAL SPECIFICATIONS

Application:	RA SMT Plastic Latch	Voltage Rating:	25V Max.
Pitch:	0.8mm (0.031)	DW Voltage:	1000V rms/min.
Number of Contacts:	144	Contact Material:	Phosphor Bronze
Height:	4.0mm (0.157)	Insulator Material:	LCP
	5.2mm (0.205)	Operating Temperature:	-55°C~85°C
	5.6mm (0.220)		95% Max.
Current Rating:	0.3A Max.	Standard:	JEDEC MO-190
Mating Cycles	25		



SERIES 6403

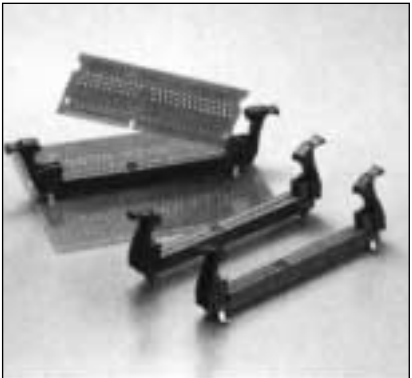
Series 6403 is a 144 positions straight SMT connector conforming to JEDEC standard of 8-byte S.O. DIMM and by both SMT and DIP type (Through Hole type).

(1) SMT and DIP are 3.3V and 5.0V type, respectively. They are also available with and without boss.

(2) SMT type, whose attachment locations of metals on the left and right side are asymmetrically arranged, is equipped with strain reliefs to improve the peeling strength to the board.

TECHNICAL SPECIFICATIONS

Application:	ST SMT/DIP	Contact Material:	Phosphor Bronze
Pitch:	0.8mm (0.031)	Insulator Material:	LCP
Number of Contacts:	144	Operating Temperature:	-55°C~85°C
Current Rating:	0.3A Max.		95% Max.
Voltage Rating:	25V Max.	Standard:	JEDEC MO-190
DW Voltage:	1000V rms/min.		
Mating Cycles	25		

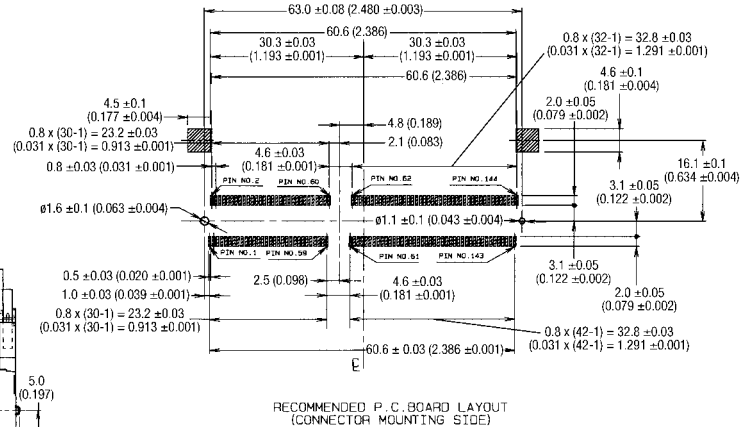
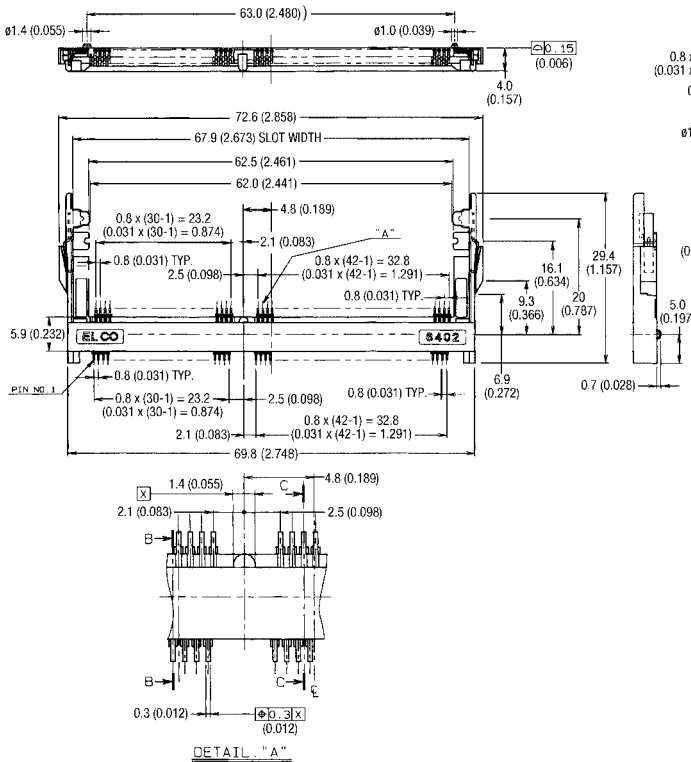


S.O. DIMM Connectors

Series 6402 144P Right Angle SMT with Plastic Latch



H=4.0mm

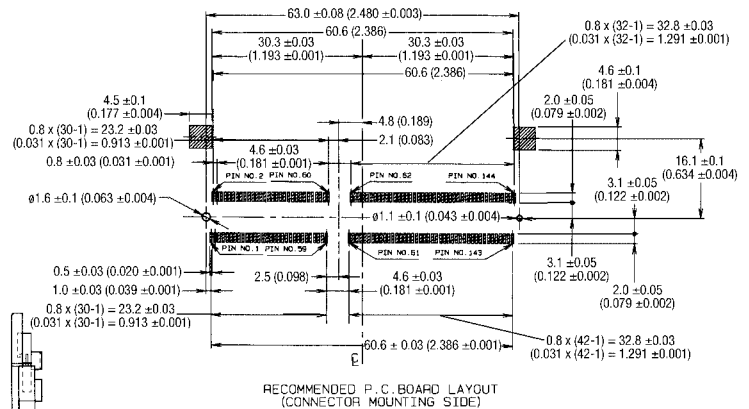
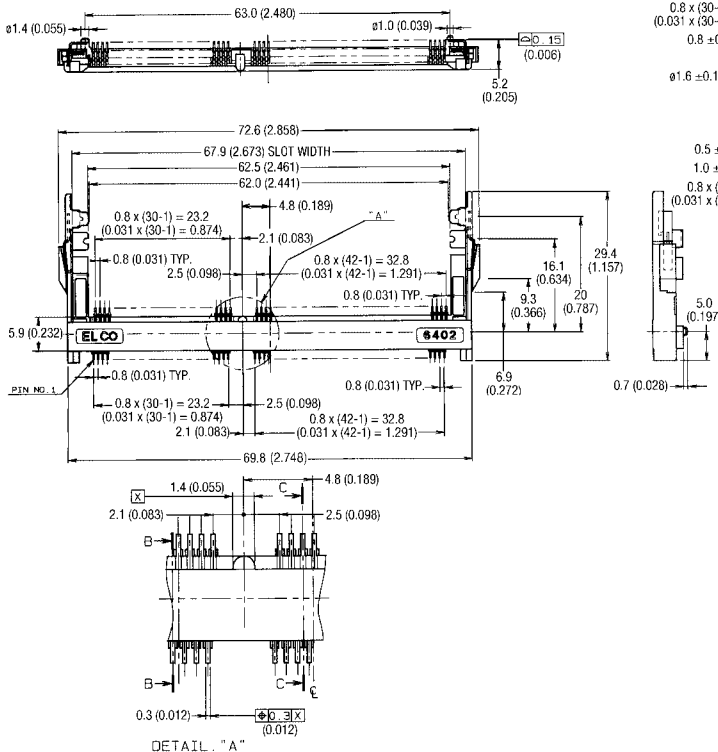


HOW TO ORDER

29 6402 144 000 856

QUANTITY: 20/TRAY
200/BOX

H=5.2mm



HOW TO ORDER

29 6402 144 001 856

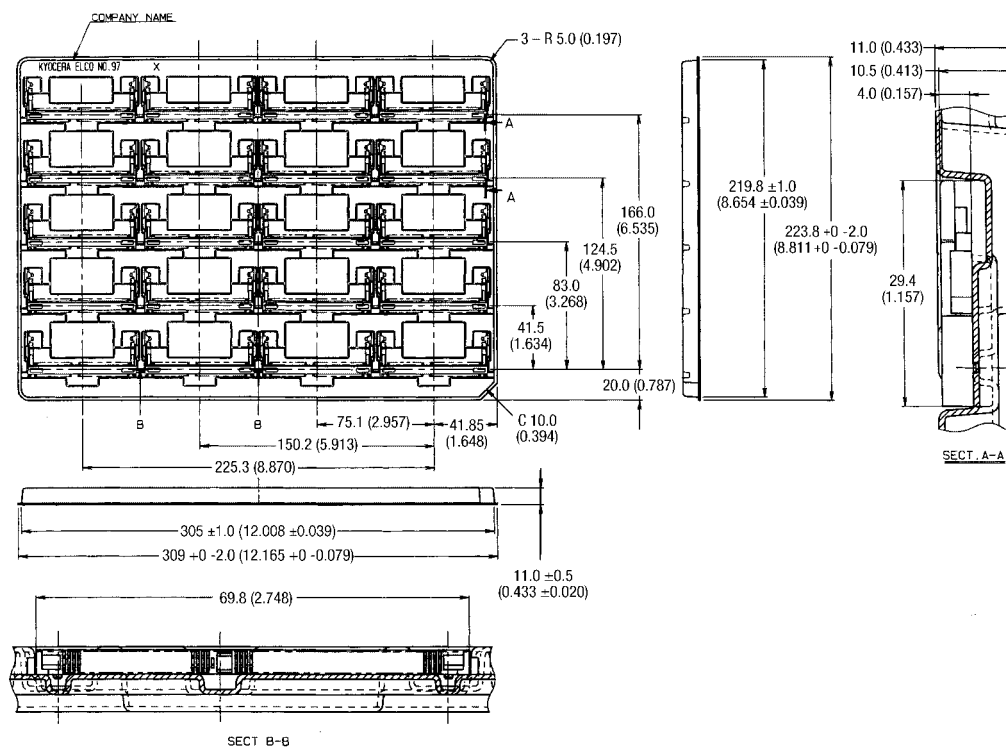
QUANTITY: 20/TRAY
200/BOX

H=5.6mm



29 6402 144 002 856

QUANTITY: 20/TRAY
200/BOX

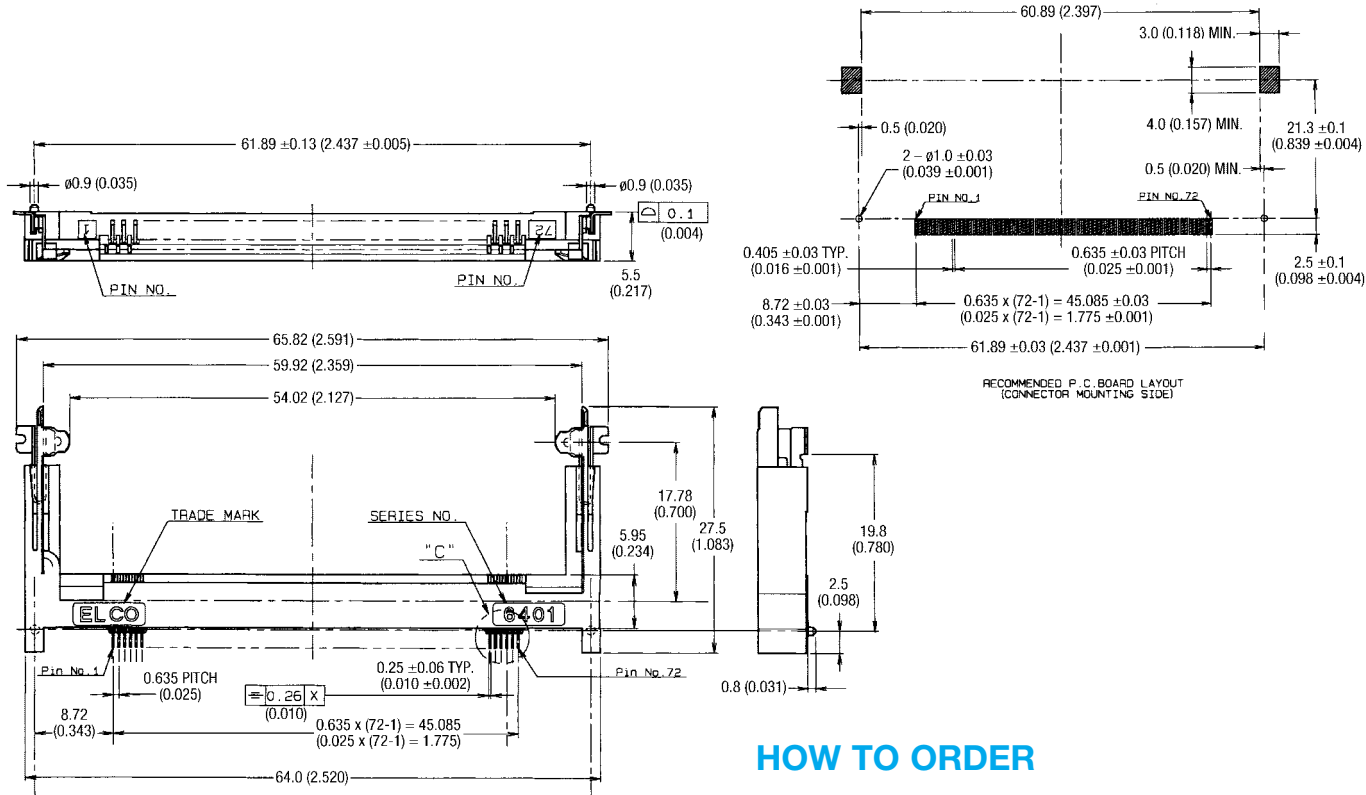
TRAY/PACKAGE

S.O. DIMM Connectors

Series 6401 72P Right Angle SMT



H=5.5mm

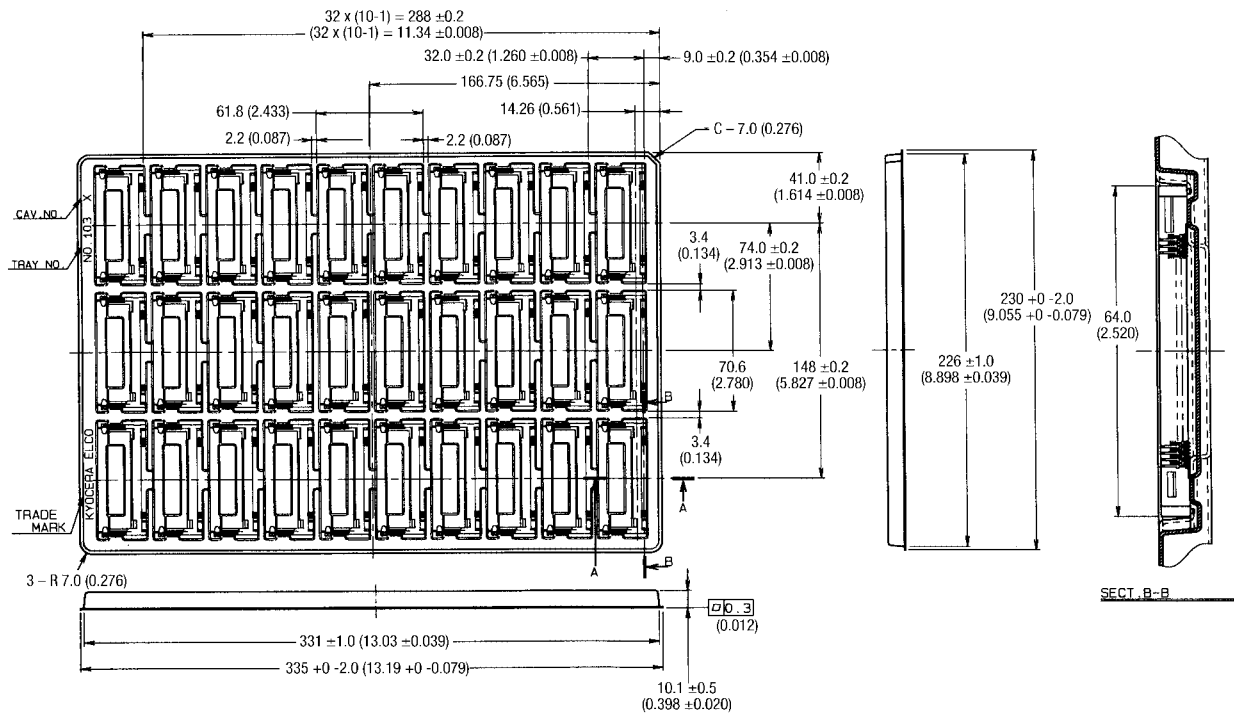


HOW TO ORDER

29 6401 072 001 856

QUANTITY: 30/TRAY
360/BOX

TRAY/PACKAGE



3.3V

Top View: Dimensions include 72.6 (2.858), 4.8 (0.189), 3.2 (0.126), 0.8 (0.031) TYP., 2.5 (0.098), 0.8 (0.031) TYP., 14.6 (0.575), 8.6 (0.339), 0.8 x (30-1) = 23.2 (0.031 x 30-1) = 0.913, 2.1 (0.083), 0.8 x (42-1) = 32.8 (0.031 x 42-1) = 1.291, 0.8 (0.031) TYP., 3.2 (0.126), 0.8 x (30-1) = 23.2 (0.031 x 30-1) = 0.913, 2.5 (0.098), 0.8 (0.031) TYP., 2.1 (0.083), 0.8 x (42-1) = 32.8 (0.031 x 42-1) = 1.291.

Side View: Dimensions include 104.2 (4.102), 85.7 (3.374), 30°, 4.8 (0.189), 0.3 (0.012), 36.3 (1.429), 75.6 (2.976), 81.6 (3.213), 27.0 (1.063), 22.7 (0.894), 29.3 (1.154), 0.3 (0.012), 0.3 (0.012), 0.3 (0.012).

Detail "A": Dimensions include 4.8 (0.189), 1.4 (0.055), 2.5 (0.098), 2.1 (0.083), 0.3 (0.012), 0.3 (0.012), 0.3 (0.012).

Mounting Layout: Dimensions include 66.2 ± 0.05 (2.606 ± 0.002), 60.6 ± 0.05 (2.386 ± 0.002), 6.9 ± 0.05 (0.272 ± 0.002), 4.6 (0.181), 0.8 x 41 = 32.8 ± 0.05 (0.031 x 41 = 1.291 ± 0.002), 2-ø 1.75 + 0.1 - 0 (0.069 ± 0.004 - 0), 3.1 ± 0.05 (0.122 ± 0.002), 0.5 ± 0.05 (0.020 ± 0.002), 0.8 x 31 = 32.8 ± 0.05 (0.031 x 31 = 1.291 ± 0.002), 36.3 ± 0.05 (1.429 ± 0.002), 33.1 ± 0.05 (1.303 ± 0.002), 73.4 (2.890), 2.3 ± 0.05 (0.091 ± 0.002), 4.6 (0.181), 60.6 ± 0.05 (2.386 ± 0.002), 0.8 x 29 = 23.2 ± 0.05 (0.031 x 29 = 0.913 ± 0.002), 5.8 ± 0.05 (0.228 ± 0.002), 4.0 ± 0.1 (0.157 ± 0.004), 3.5 ± 0.1 (0.138 ± 0.004), 0.4 ± 0.05 (0.016 ± 0.002), 15.6 (0.614), 8.6 ± 0.1 (0.339 ± 0.004), 0.8 ± 0.05 (0.031 ± 0.002), 0.8 x 29 = 23.2 ± 0.05 (0.031 x 29 = 0.913 ± 0.002), 0.8 x (30-1) = 23.2 (0.031 x 30-1) = 0.874, 0.8 x (30-1) = 23.2 (0.031 x 30-1) = 0.874, PIN NO. 2, PIN NO. 60, PIN NO. 62, PIN NO. 144, PIN NO. 59, PIN NO. 61, PIN NO. 143.

HOW TO ORDER

20 6403 144 XXX 856

Variation

ST. SMT Type 3.3V
100: Without boss
101: With boss

QUANTITY: 26/TRAY

156/BOX

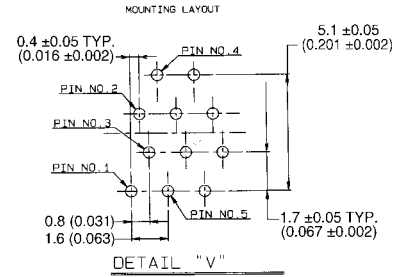
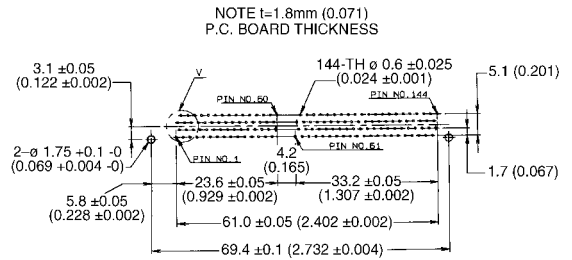
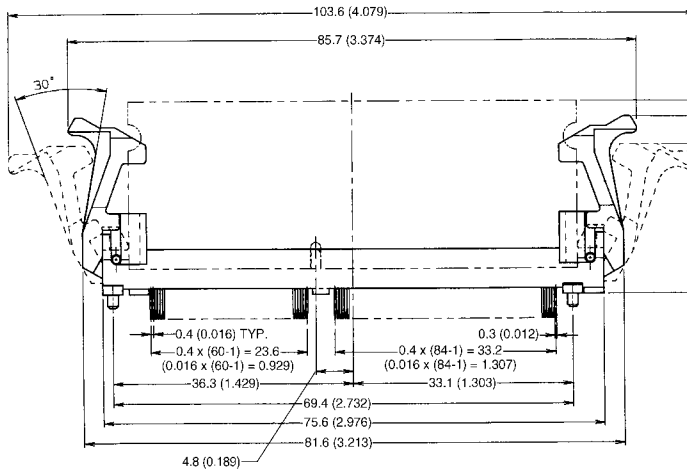
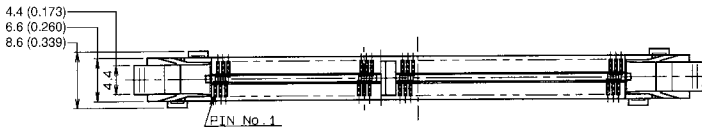
[illegible]

S.O. DIMM Connectors

Series 6403 144P Straight Through Hole Type



3.3V



HOW TO ORDER

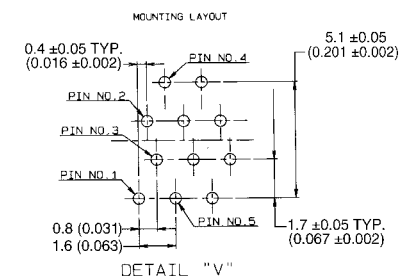
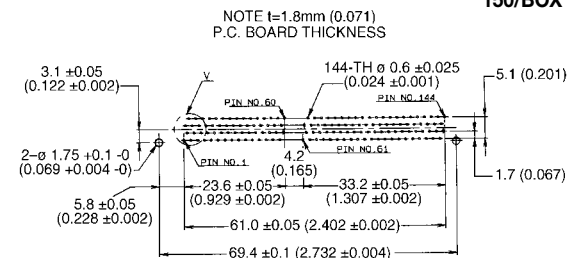
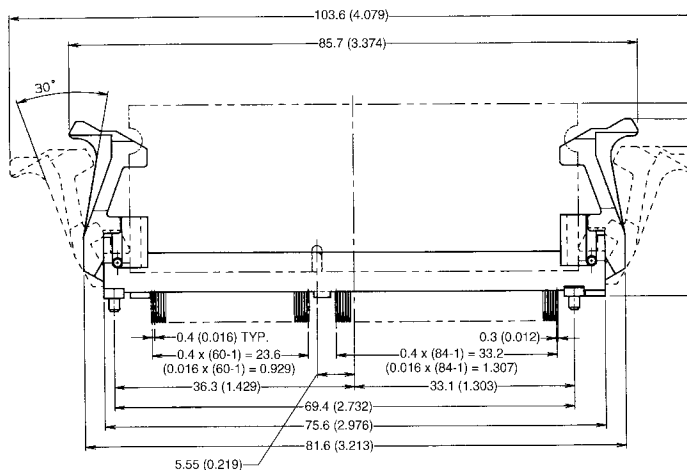
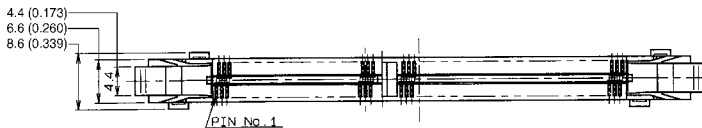
20 6403 144 XXX 856

Variation

ST. Through Hole Type
000: Without boss
001: With boss

QUANTITY: 15/TRAY
150/BOX

5.0V



HOW TO ORDER

20 6403 144 XXX 856

Variation

ST. Through Hole Type
010: Without boss
011: With boss

QUANTITY: 15/TRAY
150/BOX

Notice

The memory board shall be inserted and separated correctly, according to direction and process as shown below.

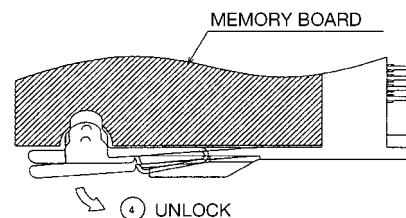
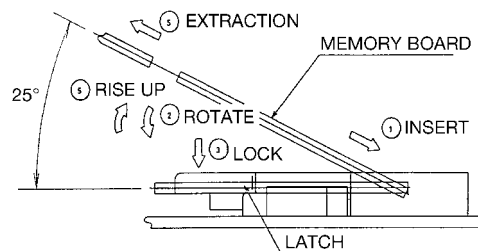
RIGHT ANGLE TYPE (6401/6402)

Method of Insertion

1. The memory board shall be inserted completely.
2. It shall be rotated.
3. It shall be pushed into the latch on both sides from upward.

Method of Separation

4. The latch on both sides shall be unlocked.
5. After the memory board rises, it shall be extracted.



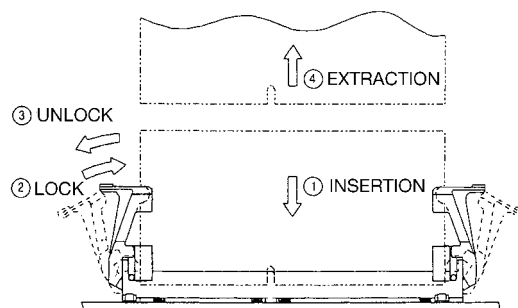
STRAIGHT TYPE (6403)

Method of Insertion

1. The lever on both sides shall be unlocked and memory board shall be inserted.
2. The memory board shall be inserted even the latch on both sides shall be locked.

Method of Separation

3. The lever on both sides shall be unlocked.
4. The memory board shall be extracted.



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AVX Myrtle Beach, SC Corporate Offices

Tel: 843-448-9411
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Tel: 360-669-8746
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EUROPE

AVX Limited, England European Headquarters

Tel: ++44 (0)1638 675000
FAX: ++44 (0)1638 675001

AVX S.A., France

Tel: ++33 (1) 69.18.46.00
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AVX GmbH, Germany - AVX

Tel: ++49 (0) 8131 9004-0
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Tel: ++49 (0) 2741 2990
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AVX srl, Italy

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AVX Czech Republic, s.r.o.

Tel: ++420 (0)467 558340
FAX: ++420 (0)467 558345

ASIA-PACIFIC

AVX/Kyocera, Singapore Asia-Pacific Headquarters

Tel: (65) 258-2833
FAX: (65) 350-4880

AVX/Kyocera, Hong Kong

Tel: (852) 2-363-3303
FAX: (852) 2-765-8185

AVX/Kyocera, Korea

Tel: (82) 2-785-6504
FAX: (82) 2-784-5411

AVX/Kyocera, Taiwan

Tel: (886) 2-2696-4636
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AVX/Kyocera, China

Tel: (86) 21-6249-0314-16
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Elco, Japan

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Kyocera, Japan - AVX

Tel: (81) 75-604-3426
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Contact:



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