

SED2000F_{OA/OB}

PLASMA-DISPLAY/VFD ANODE DRIVER

■ DESCRIPTION

The SED2000F_{OA/OB} is a CMOS LSI dot-matrix plasma-display VFD anode driver. It has 64 high-voltage outputs in 4×16 blocks.

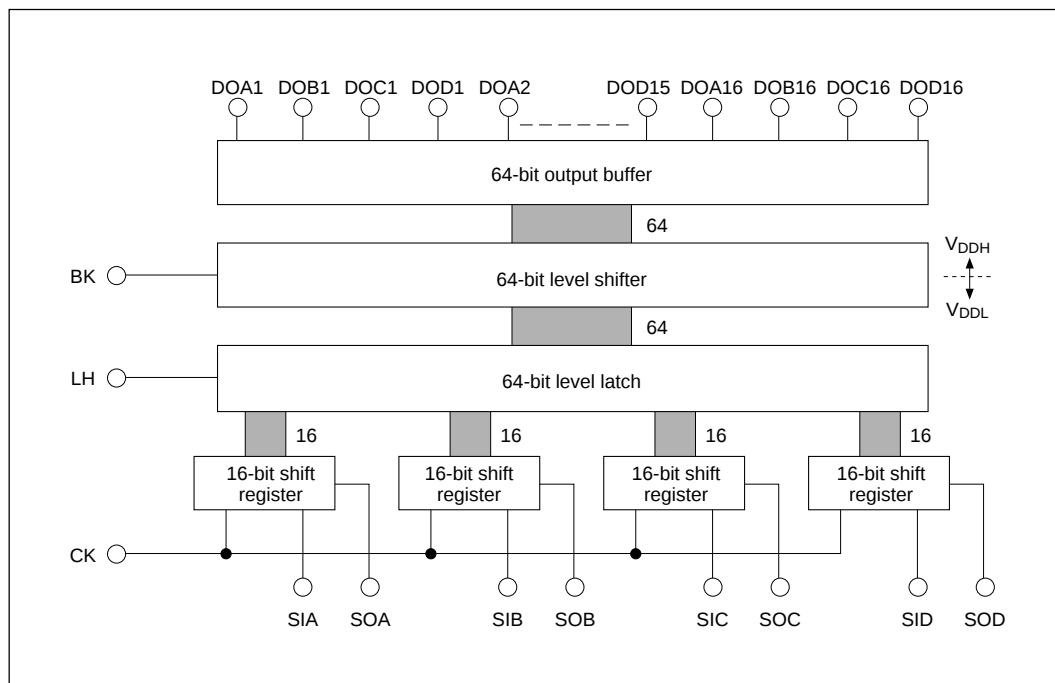
The SED2000F_{OA/OB} has independent serial inputs and outputs for each 16-element block which feature data transfer rates of up to 5 Mbits/s.

SED2000F_{OA} and SED2000F_{OB} are functionally identical except that their pin arrangements are transposed. They use a 5V logic supply and a 30 to 70V display supply, and are available in 80-pin plastic flatpacks.

■ FEATURES

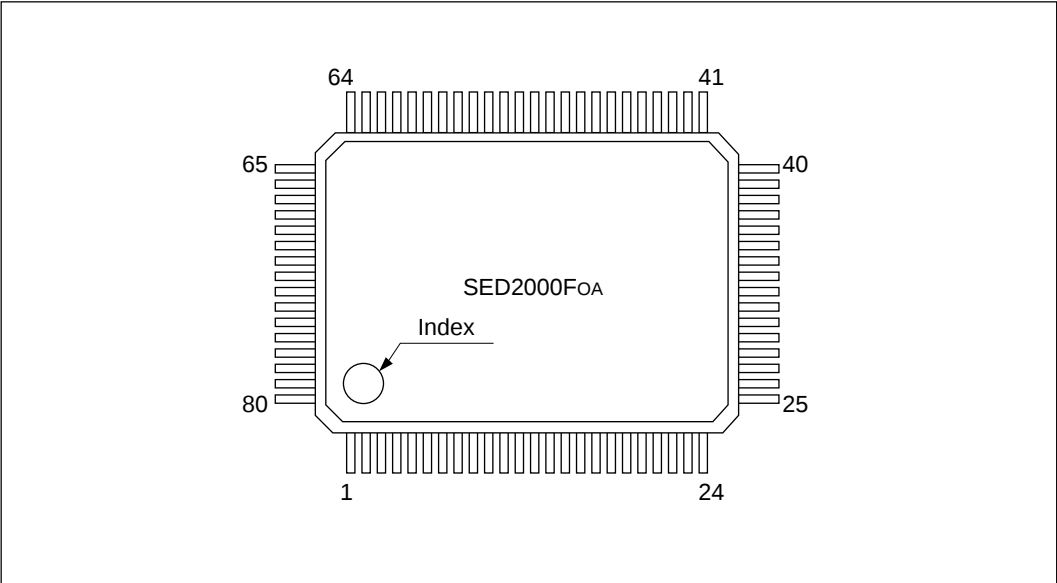
- 64 output drivers
- 70V, 1mA anode drive capability
- Up to 5 Mbits/s data transfer rate (4-bit transfer mode)
- Silicon-gate CMOS technology
- 5V logic supply
- 30 to 70V display supply
- 80-pin plastic flatpack (QFP-80pin) (F_{OA}, F_{OB})

■ BLOCK DIAGRAM



SED2000F_{OA/OB}

- PINOUTS
- SED2000F_{OA}



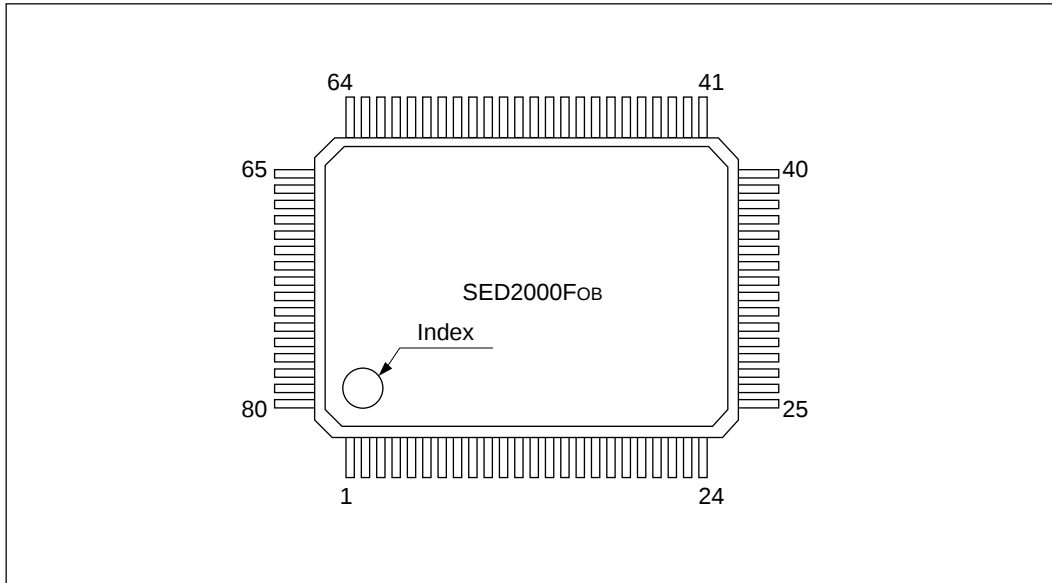
Pin	
Number	Name
1	DOD16
2	DOC16
3	DOB16
4	DOA16
5	DOD15
6	DOC15
7	DOB15
8	DOA15
9	DOD14
10	DOC14
11	DOB14
12	DOA14
13	DOD13
14	DOC13
15	DOB13
16	DOA13
17	DOD12
18	DOC12
19	DOB12
20	DOA12

Pin	
Number	Name
21	DOD11
22	DOC11
23	DOB11
24	DOA11
25	DOD10
26	DOC10
27	DOB10
28	DOA10
29	DOD9
30	DOC9
31	DOB9
32	DOA9
33	DOD8
34	DOC8
35	DOB8
36	DOA8
37	DOD7
38	DOC7
39	DOB7
40	DOA7

Pin	
Number	Name
41	DOD6
42	DOC6
43	DOB6
44	DOA6
45	DOD5
46	DOC5
47	DOB5
48	DOA5
49	DOD4
50	DOC4
51	DOB4
52	DOA4
53	DOD3
54	DOC3
55	DOB3
56	DOA3
57	DOD2
58	DOC2
59	DOB2
60	DOA2

Pin	
Number	Name
61	DOD1
62	DOC1
63	DOB1
64	DOA1
65	VDDH
66	VSS
67	VDDL
68	SIA
69	SIB
70	SIC
71	SID
72	CK
73	LH
74	BK
75	SOD
76	SOC
77	SOB
78	SOA
79	VSS
80	VDDH

● SED2000F_{OB}



Pin	
Number	Name
1	DOA1
2	DOB1
3	DOC1
4	DOD1
5	DOA2
6	DOB2
7	DOC2
8	DOD2
9	DOA3
10	DOB3
11	DOC3
12	DOD3
13	DOA4
14	DOB4
15	DOC4
16	DOD4
17	DOA5
18	DOB5
19	DOC5
20	DOD5

Pin	
Number	Name
21	DOA6
22	DOB6
23	DOC6
24	DOD6
25	DOA7
26	DOB7
27	DOC7
28	DOD7
29	DOA8
30	DOB8
31	DOC8
32	DOD8
33	DOA9
34	DOB9
35	DOC9
36	DOD9
37	DOA10
38	DOB10
39	DOC10
40	DOD10

Pin	
Number	Name
41	DOA11
42	DOB11
43	DOC11
44	DOD11
45	DOA12
46	DOB12
47	DOC12
48	DOD12
49	DOA13
50	DOB13
51	DOC13
52	DOD13
53	DOA14
54	DOB14
55	DOC14
56	DOD14
57	DOA15
58	DOB15
59	DOC15
60	DOD15

Pin	
Number	Name
61	DOA16
62	DOB16
63	DOC16
64	DOD16
65	VDDH
66	VSS
67	SOA
68	SOB
69	SOC
70	SOD
71	BK
72	LH
73	CK
74	SID
75	SIC
76	SIB
77	SIA
78	VDDL
79	VSS
80	VDDH



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