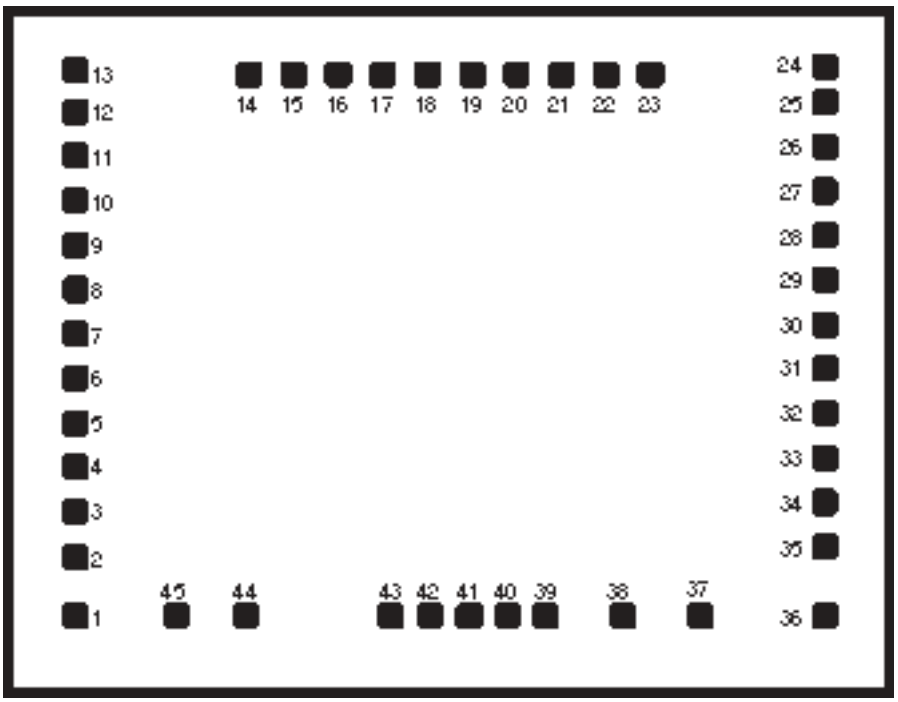
HV51/HV52
HV55/HV56-6in
Die Specifications

Supertex inc.



Pad Coordinates in Microns

1	0; 0	24	3900.5; 2869.5
2	-4.5; 312	25	3896.5; 2682.5
3	-4.5; 544	26	3896.5; 2450.5
4	-4.5; 776	27	3896.5; 2218.5
5	-4.5; 1008	28	3896.5; 1986.5
6	-4.5; 1240	29	3896.5; 1754.5
7	-4.5; 1472	30	3896.5; 1522.5
8	-4.5; 1704	31	3896.5; 1290.5
9	-4.5; 1936	32	3896.5; 1058.5
10	-4.5; 2168	33	3896.5; 826.5
11	-4.5; 2400	34	3896.5; 594.5
12	-4.5; 2632	35	3896.5; 362.5
13	-6; 2846.5	36	3093.5; 8
14	902; 2827	37	3249; 8
15	1134; 2827	38	2846; 8
16	1366; 2827	39	2443; 8
17	1598; 2827	40	2247.5; 8.5
18	1830; 2827	41	2047.5; 8.5
19	2062; 2827	42	1847.5; 8.5
20	2294; 2827	43	1639.5; 8
21	2526; 2827	44	888; 8
22	2758; 2827	45	526.5; 0
23	2990; 2827		

Die Specifications

	mils	mm		
Die Size:	133 x 171	3370 x 4350	**Back Side Metal:**	None
Die Thickness:	20 ±1	0.50 ±0.02	**Back Side Potential:**	GND
Bond Pad Size:	4 x 4	0.10 x 0.10	**Die Attach Material:**	Epoxy Ablestick 84-1 LMIS
Bond Wire Size:	1.3	0.03	**Bond Pad Metal:**	Al/Si/Cu

HV51-6in

Pad	Function
1	GND
2	$HV_{OUT}32$
3	$HV_{OUT}31$
4	$HV_{OUT}30$
5	$HV_{OUT}29$
6	$HV_{OUT}28$
7	$HV_{OUT}27$
8	$HV_{OUT}26$
9	$HV_{OUT}25$
10	$HV_{OUT}24$
11	$HV_{OUT}23$
12	$HV_{OUT}22$
13	GND
14	$HV_{OUT}21$
15	$HV_{OUT}20$
16	$HV_{OUT}19$
17	$HV_{OUT}18$
18	$HV_{OUT}17$
19	$HV_{OUT}16$
20	$HV_{OUT}15$
21	$HV_{OUT}14$
22	$HV_{OUT}13$
23	$HV_{OUT}12$
24	GND
25	$HV_{OUT}11$
26	$HV_{OUT}10$
27	$HV_{OUT}9$
28	$HV_{OUT}8$
29	$HV_{OUT}7$
30	$HV_{OUT}6$
31	$HV_{OUT}5$
32	$HV_{OUT}4$
33	$HV_{OUT}3$
34	$HV_{OUT}2$
35	$HV_{OUT}1$
36	GND
37	Data In
38	Strobe
39	NC
40	V_{DD}
41	GND
42	GND
43	Clock
44	Output Enable
45	Data Out

HV52-6in

Pad	Function
1	GND
2	$HV_{OUT}1$
3	$HV_{OUT}2$
4	$HV_{OUT}3$
5	$HV_{OUT}4$
6	$HV_{OUT}5$
7	$HV_{OUT}6$
8	$HV_{OUT}7$
9	$HV_{OUT}8$
10	$HV_{OUT}9$
11	$HV_{OUT}10$
12	$HV_{OUT}11$
13	GND
14	$HV_{OUT}12$
15	$HV_{OUT}13$
16	$HV_{OUT}14$
17	$HV_{OUT}15$
18	$HV_{OUT}16$
19	$HV_{OUT}17$
20	$HV_{OUT}18$
21	$HV_{OUT}19$
22	$HV_{OUT}20$
23	$HV_{OUT}21$
24	GND
25	$HV_{OUT}22$
26	$HV_{OUT}23$
27	$HV_{OUT}24$
28	$HV_{OUT}25$
29	$HV_{OUT}26$
30	$HV_{OUT}27$
31	$HV_{OUT}28$
32	$HV_{OUT}29$
33	$HV_{OUT}30$
34	$HV_{OUT}31$
35	$HV_{OUT}32$
36	GND
37	Data In
38	Strobe
39	NC
40	V_{DD}
41	GND
42	GND
43	Clock
44	Output Enable
45	Data Out

HV55-6in

Pad	Function
1	V_{SS}
2	$HV_{OUT}32$
3	$HV_{OUT}31$
4	$HV_{OUT}30$
5	$HV_{OUT}29$
6	$HV_{OUT}28$
7	$HV_{OUT}27$
8	$HV_{OUT}26$
9	$HV_{OUT}25$
10	$HV_{OUT}24$
11	$HV_{OUT}23$
12	$HV_{OUT}22$
13	V_{SS}
14	$HV_{OUT}21$
15	$HV_{OUT}20$
16	$HV_{OUT}19$
17	$HV_{OUT}18$
18	$HV_{OUT}17$
19	$HV_{OUT}16$
20	$HV_{OUT}15$
21	$HV_{OUT}14$
22	$HV_{OUT}13$
23	$HV_{OUT}12$
24	V_{SS}
25	$HV_{OUT}11$
26	$HV_{OUT}10$
27	$HV_{OUT}9$
28	$HV_{OUT}8$
29	$HV_{OUT}7$
30	$HV_{OUT}6$
31	$HV_{OUT}5$
32	$HV_{OUT}4$
33	$HV_{OUT}3$
34	$HV_{OUT}2$
35	$HV_{OUT}1$
36	V_{SS}
37	Blanking
38	Data In
39	Latch Enable
40	V_{DD}
41	V_{SS}
42	V_{SS}
43	Clock
44	Polarity
45	Data Out

HV56-6in

Pad	Function
1	V_{SS}
2	$HV_{OUT}1$
3	$HV_{OUT}2$
4	$HV_{OUT}3$
5	$HV_{OUT}4$
6	$HV_{OUT}5$
7	$HV_{OUT}6$
8	$HV_{OUT}7$
9	$HV_{OUT}8$
10	$HV_{OUT}9$
11	$HV_{OUT}10$
12	$HV_{OUT}11$
13	V_{SS}
14	$HV_{OUT}12$
15	$HV_{OUT}13$
16	$HV_{OUT}14$
17	$HV_{OUT}15$
18	$HV_{OUT}16$
19	$HV_{OUT}17$
20	$HV_{OUT}18$
21	$HV_{OUT}19$
22	$HV_{OUT}20$
23	$HV_{OUT}21$
24	V_{SS}
25	$HV_{OUT}22$
26	$HV_{OUT}23$
27	$HV_{OUT}24$
28	$HV_{OUT}25$
29	$HV_{OUT}26$
30	$HV_{OUT}27$
31	$HV_{OUT}28$
32	$HV_{OUT}29$
33	$HV_{OUT}30$
34	$HV_{OUT}31$
35	$HV_{OUT}32$
36	V_{SS}
37	Blanking
38	Data In
39	Latch Enable
40	V_{DD}
41	V_{SS}
42	V_{SS}
43	Clock
44	Polarity
45	Data Out

Note: Pad designation for DIR = H/L
Example: for DIR = H, Pad 2 is $HV_{OUT}64$
for DIR = L, Pad 2 is $HV_{OUT}1$

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