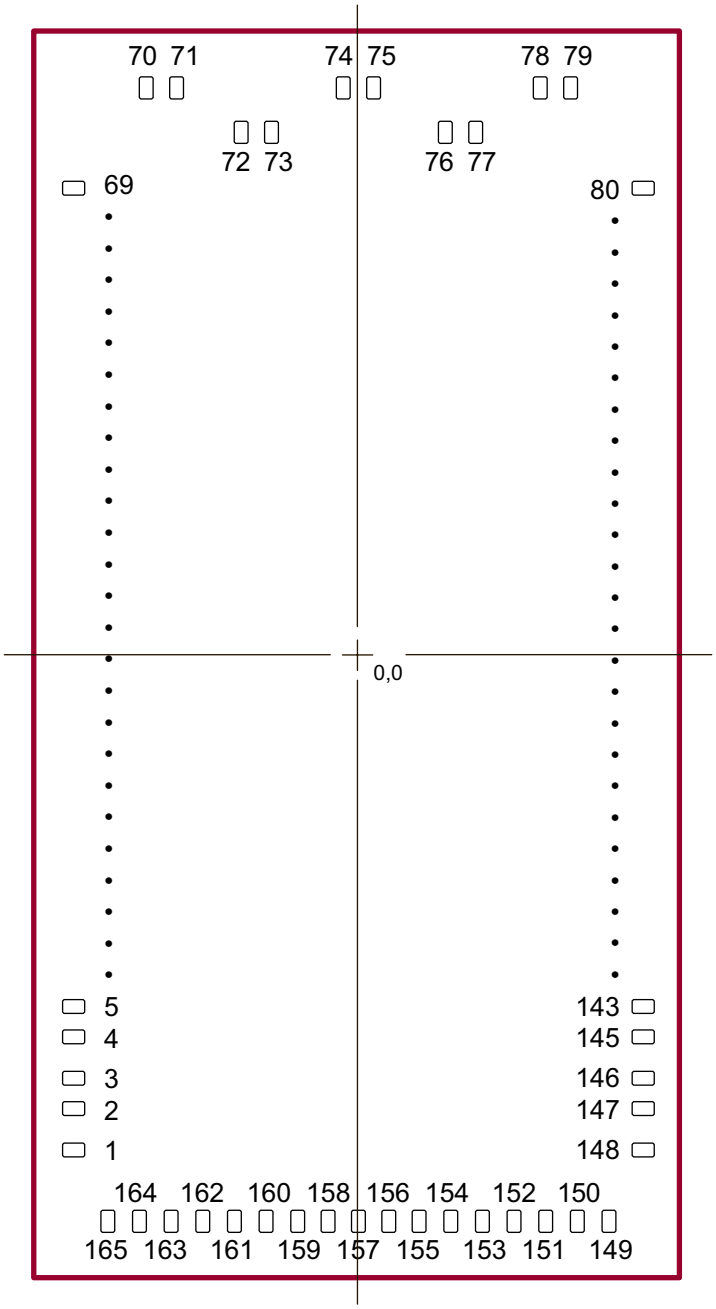
Pad Layout



Die Specifications

Die Dimensions (mils)			Die Dimensions (µm)			Back Side Metal	Back Side	Bonding Pad Material
Length[1]	Width[1]	Thickness[2]	Length[1]	Width[1]	Thickness[2]			
337	92	19 - 21	8550	2330	480 - 530	None	DGND	Al/Cu/Si

Notes:

1. *Maximum values.*
2. *Contact factory for pricing and availability for other die thickness.*

Pad Descriptions

Pad #	Function	x-position[3] (µm)	y-position[3] (µm)	x-size (µm)	y-size (µm)
1	VDD	-1032.1	-3884.3	80	50
2	PGND	-1032.1	-3734.3	80	50
3	PGND	-1032.1	-3624.3	80	50
4	VPP	-1032.1	-3474.3	80	50
5	VPP	-1032.1	-3364.3	80	50
6	$HV_{OUT}127$	-1032.1	-3214.3	80	50
7	$HV_{OUT}126$	-1032.1	-3104.3	80	50
8	$HV_{OUT}125$	-1032.1	-2994.3	80	50
9	$HV_{OUT}124$	-1032.1	-2884.3	80	50
10	$HV_{OUT}123$	-1032.1	-2774.3	80	50
11	$HV_{OUT}122$	-1032.1	-2664.3	80	50
12	$HV_{OUT}121$	-1032.1	-2554.3	80	50
13	$HV_{OUT}120$	-1032.1	-2444.3	80	50
14	$HV_{OUT}119$	-1032.1	-2334.3	80	50
15	$HV_{OUT}118$	-1032.1	-2224.3	80	50
16	$HV_{OUT}117$	-1032.1	-2114.3	80	50
17	$HV_{OUT}116$	-1032.1	-2004.3	80	50
18	$HV_{OUT}115$	-1032.1	-1894.3	80	50
19	$HV_{OUT}114$	-1032.1	-1784.3	80	50
20	$HV_{OUT}113$	-1032.1	-1674.3	80	50
21	$HV_{OUT}112$	-1032.1	-1564.3	80	50
22	$HV_{OUT}111$	-1032.1	-1454.3	80	50
23	$HV_{OUT}110$	-1032.1	-1344.3	80	50
24	$HV_{OUT}109$	-1032.1	-1234.3	80	50
25	$HV_{OUT}108$	-1032.1	-1124.3	80	50
26	$HV_{OUT}107$	-1032.1	-1014.3	80	50
27	$HV_{OUT}106$	-1032.1	-904.3	80	50
28	$HV_{OUT}105$	-1032.1	-794.3	80	50
29	$HV_{OUT}104$	-1032.1	-684.3	80	50
30	$HV_{OUT}103$	-1032.1	-574.3	80	50
31	$HV_{OUT}102$	-1032.1	-464.3	80	50
32	$HV_{OUT}101$	-1032.1	-354.3	80	50
33	$HV_{OUT}100$	-1032.1	-244.3	80	50
34	$HV_{OUT}99$	-1032.1	-134.3	80	50
35	$HV_{OUT}98$	-1032.1	-24.3	80	50
36	$HV_{OUT}97$	-1032.1	85.7	80	50
37	$HV_{OUT}96$	-1032.1	195.7	80	50
38	$HV_{OUT}95$	-1032.1	305.7	80	50
39	$HV_{OUT}94$	-1032.1	415.7	80	50
40	$HV_{OUT}93$	-1032.1	525.7	80	50
41	$HV_{OUT}92$	-1032.1	635.7	80	50
42	$HV_{OUT}91$	-1032.1	745.7	80	50
43	$HV_{OUT}90$	-1032.1	855.7	80	50
44	$HV_{OUT}89$	-1032.1	965.7	80	50
45	$HV_{OUT}88$	-1032.1	1075.7	80	50
46	$HV_{OUT}87$	-1032.1	1185.7	80	50
47	$HV_{OUT}86$	-1032.1	1295.7	80	50
48	$HV_{OUT}85$	-1032.1	1405.7	80	50
49	$HV_{OUT}84$	-1032.1	1515.7	80	50
50	$HV_{OUT}83$	-1032.1	1625.7	80	50
51	$HV_{OUT}82$	-1032.1	1735.7	80	50
52	$HV_{OUT}81$	-1032.1	1845.7	80	50
53	$HV_{OUT}80$	-1032.1	1955.7	80	50
54	$HV_{OUT}79$	-1032.1	2065.7	80	50
55	$HV_{OUT}78$	-1032.1	2175.7	80	50
56	$HV_{OUT}77$	-1032.1	2285.7	80	50
57	$HV_{OUT}76$	-1032.1	2395.7	80	50
58	$HV_{OUT}75$	-1032.1	2505.7	80	50
59	$HV_{OUT}74$	-1032.1	2615.7	80	50
60	$HV_{OUT}73$	-1032.1	2725.7	80	50
61	$HV_{OUT}72$	-1032.1	2835.7	80	50
62	$HV_{OUT}71$	-1032.1	2945.7	80	50
63	$HV_{OUT}70$	-1032.1	3055.7	80	50
64	$HV_{OUT}69$	-1032.1	3165.7	80	50
65	$HV_{OUT}68$	-1032.1	3275.7	80	50
66	$HV_{OUT}67$	-1032.1	3385.7	80	50
67	$HV_{OUT}66$	-1032.1	3495.7	80	50
68	$HV_{OUT}65$	-1032.1	3605.7	80	50
69	$HV_{OUT}64$	-1032.1	3715.7	80	50
70	VPP	-769	4079.2	50	80
71	VPP	-659	4079.2	50	80
72	PGND	-425	3918.2	50	80

Note:

3. Pad position is referenced to center of pad.

Pad Descriptions *(cont.)*

Pad #	Function	x-position[3] (µm)	y-position[3] (µm)	x-size (µm)	y-size (µm)
73	PGND	-315	3918.2	50	80
74	VPP	-55	4079.2	50	80
75	VPP	55	4079.2	50	80
76	PGND	315	3918.2	50	80
77	PGND	425	3918.2	50	80
78	VPP	659	4079.2	50	80
79	VPP	769	4079.2	50	80
80	$HV_{OUT}63$	1032.1	3715.7	80	50
81	$HV_{OUT}62$	1032.1	3605.7	80	50
82	$HV_{OUT}61$	1032.1	3495.7	80	50
83	$HV_{OUT}60$	1032.1	3385.7	80	50
84	$HV_{OUT}59$	1032.1	3275.7	80	50
85	$HV_{OUT}58$	1032.1	3165.7	80	50
86	$HV_{OUT}57$	1032.1	3055.7	80	50
87	$HV_{OUT}56$	1032.1	2945.7	80	50
88	$HV_{OUT}55$	1032.1	2835.7	80	50
89	$HV_{OUT}54$	1032.1	2725.7	80	50
90	$HV_{OUT}53$	1032.1	2615.7	80	50
91	$HV_{OUT}52$	1032.1	2505.7	80	50
92	$HV_{OUT}51$	1032.1	2395.7	80	50
93	$HV_{OUT}50$	1032.1	2285.7	80	50
94	$HV_{OUT}49$	1032.1	2175.7	80	50
95	$HV_{OUT}48$	1032.1	2065.7	80	50
96	$HV_{OUT}47$	1032.1	1955.7	80	50
97	$HV_{OUT}46$	1032.1	1845.7	80	50
98	$HV_{OUT}45$	1032.1	1735.7	80	50
99	$HV_{OUT}44$	1032.1	1625.7	80	50
100	$HV_{OUT}43$	1032.1	1515.7	80	50
101	$HV_{OUT}42$	1032.1	1405.7	80	50
102	$HV_{OUT}41$	1032.1	1295.7	80	50
103	$HV_{OUT}40$	1032.1	1185.7	80	50
104	$HV_{OUT}39$	1032.1	1075.7	80	50
105	$HV_{OUT}38$	1032.1	965.7	80	50
106	$HV_{OUT}37$	1032.1	855.7	80	50
107	$HV_{OUT}36$	1032.1	745.7	80	50
108	$HV_{OUT}35$	1032.1	635.7	80	50
109	$HV_{OUT}34$	1032.1	525.7	80	50
110	$HV_{OUT}33$	1032.1	415.7	80	50
111	$HV_{OUT}32$	1032.1	305.7	80	50
112	$HV_{OUT}31$	1032.1	195.7	80	50
113	$HV_{OUT}30$	1032.1	85.7	80	50
114	$HV_{OUT}29$	1032.1	-24.3	80	50
115	$HV_{OUT}28$	1032.1	-134.3	80	50
116	$HV_{OUT}27$	1032.1	-244.3	80	50
117	$HV_{OUT}26$	1032.1	-354.3	80	50
118	$HV_{OUT}25$	1032.1	-464.3	80	50
119	$HV_{OUT}24$	1032.1	-574.3	80	50
120	$HV_{OUT}23$	1032.1	-684.3	80	50
121	$HV_{OUT}22$	1032.1	-794.3	80	50
122	$HV_{OUT}21$	1032.1	-904.3	80	50
123	$HV_{OUT}20$	1032.1	-1014.3	80	50
124	$HV_{OUT}19$	1032.1	-1124.3	80	50
125	$HV_{OUT}18$	1032.1	-1234.3	80	50
126	$HV_{OUT}17$	1032.1	-1344.3	80	50
127	$HV_{OUT}16$	1032.1	-1454.3	80	50
128	$HV_{OUT}15$	1032.1	-1564.3	80	50
129	$HV_{OUT}14$	1032.1	-1674.3	80	50
130	$HV_{OUT}13$	1032.1	-1784.3	80	50
131	$HV_{OUT}12$	1032.1	-1894.3	80	50
132	$HV_{OUT}11$	1032.1	-2004.3	80	50
133	$HV_{OUT}10$	1032.1	-2114.3	80	50
134	$HV_{OUT}9$	1032.1	-2224.3	80	50
135	$HV_{OUT}8$	1032.1	-2334.3	80	50
136	$HV_{OUT}7$	1032.1	2444.3	80	50
137	$HV_{OUT}6$	1032.1	-2554.3	80	50
138	$HV_{OUT}5$	1032.1	-2664.3	80	50
139	$HV_{OUT}4$	1032.1	-2774.3	80	50
140	$HV_{OUT}3$	1032.1	-2884.3	80	50
141	$HV_{OUT}2$	1032.1	-2994.3	80	50
142	$HV_{OUT}1$	1032.1	-3104.3	80	50
143	$HV_{OUT}0$	1032.1	-3214.3	80	50
144	VPP	1032.1	-3364.3	80	50

Note:

3. Pad position is referenced to center of pad.

Pad Descriptions *(cont.)*

Pad #	Function	x-position[3] (µm)	y-position[3] (µm)	x-size (µm)	y-size (µm)
145	VPP	1032.1	-3474.3	80	50
146	PGND	1032.1	-3624.3	80	50
147	PGND	1032.1	-3734.3	80	50
148	DGND	1032.1	-3884.3	80	50
149	D1B	908.1	-4094.3	50	80
150	D2B	793.4	-4094.3	50	80
151	D3B	678.7	-4094.3	50	80
152	D4B	564	-4094.3	50	80
153	CLK	449.4	-4094.3	50	80
154	LE	334.7	-4094.3	50	80
155	RESET	219.9	-4094.3	50	80
156	DGND	110	-4094.3	50	80
157	DIR	0	-4094.3	50	80
158	VDD	-110	-4094.3	50	80
159	OE	-220	-4094.3	50	80
160	OHB	-334.7	-4094.3	50	80
161	OLB	-449.4	-4094.3	50	80
162	D4A	564.1	-4094.3	50	80
163	D3A	-678.8	-4094.3	50	80
164	D2A	-793.5	-4094.3	50	80
165	D1A	-908.2	-4094.3	50	80

Note:

3. Pad position is referenced to center of pad.

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