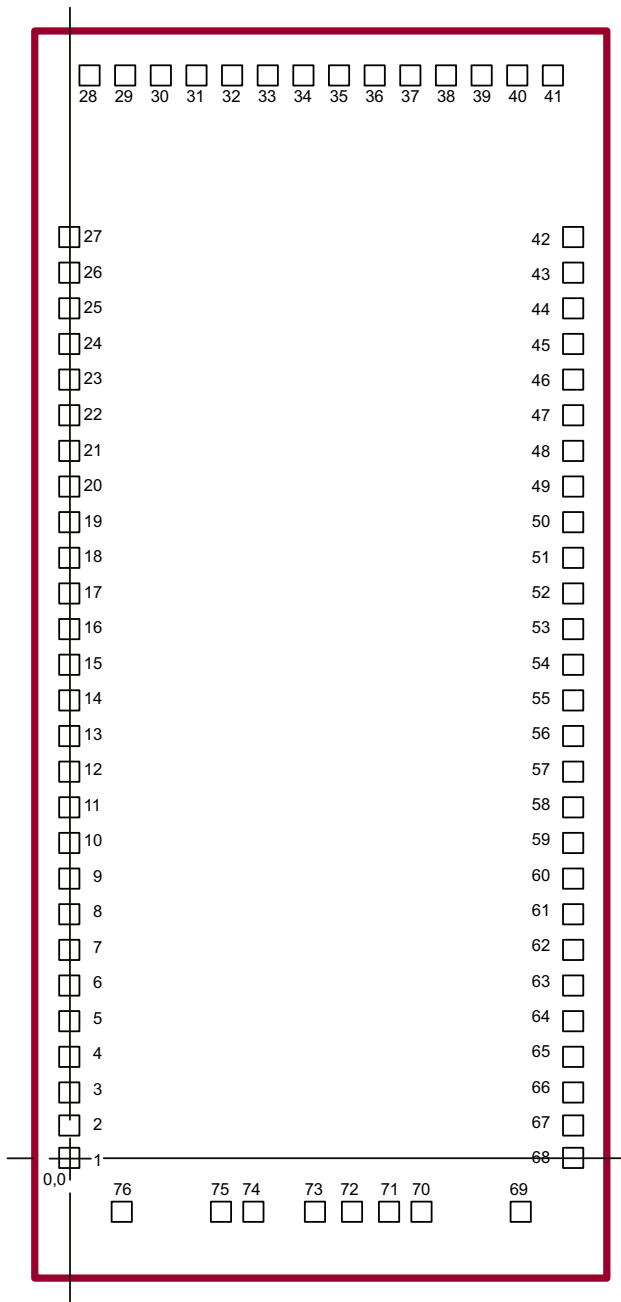


**Pad Layout**



**Die Specifications**

Die Dimensions (mils)			Die Dimensions (µm)			Back Side Metal	Back Side	Bonding Pad Material
Length <sup>1</sup>	Width <sup>1</sup>	Thickness <sup>2</sup>	Length <sup>1</sup>	Width <sup>1</sup>	Thickness <sup>2</sup>			
242	111	19 - 28	6150	2810	480 - 711	None	VPP	Al/Cu/Si

**Notes:**

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

# HV507 Die Specification

## Pad Descriptions

Pad #	Function	x-position <sup>4</sup> ( $\mu\text{m}$ )	y-position <sup>4</sup> ( $\mu\text{m}$ )	x-size ( $\mu\text{m}$ )	y-size ( $\mu\text{m}$ )
1	DOUT	0	0	100	100
2	VPP	0	160	100	100
3	HV <sub>OUT</sub> 64	0	323	100	100
4	HV <sub>OUT</sub> 63	0	499	100	100
5	HV <sub>OUT</sub> 62	0	675	100	100
6	HV <sub>OUT</sub> 61	0	851	100	100
7	HV <sub>OUT</sub> 60	0	1027	100	100
8	HV <sub>OUT</sub> 59	0	1203	100	100
9	HV <sub>OUT</sub> 58	0	1379	100	100
10	HV <sub>OUT</sub> 57	0	1555	100	100
11	HV <sub>OUT</sub> 56	0	1731	100	100
12	HV <sub>OUT</sub> 55	0	1907	100	100
13	HV <sub>OUT</sub> 54	0	2083	100	100
14	HV <sub>OUT</sub> 53	0	2259	100	100
15	HV <sub>OUT</sub> 52	0	2435	100	100
16	HV <sub>OUT</sub> 51	0	2611	100	100
17	HV <sub>OUT</sub> 50	0	2787	100	100
18	HV <sub>OUT</sub> 49	0	2963	100	100
19	HV <sub>OUT</sub> 48	0	3139	100	100
20	HV <sub>OUT</sub> 47	0	3315	100	100
21	HV <sub>OUT</sub> 46	0	3491	100	100
22	HV <sub>OUT</sub> 45	0	3667	100	100
23	HV <sub>OUT</sub> 44	0	3843	100	100
24	HV <sub>OUT</sub> 43	0	4019	100	100
25	HV <sub>OUT</sub> 42	0	4195	100	100
26	HV <sub>OUT</sub> 41	0	4371	100	100
27	HV <sub>OUT</sub> 40	0	4547	100	100
28	HV <sub>OUT</sub> 39	100	5345	100	100
29	HV <sub>OUT</sub> 38	276	5345	100	100
30	HV <sub>OUT</sub> 37	452	5345	100	100
31	HV <sub>OUT</sub> 36	628	5345	100	100
32	HV <sub>OUT</sub> 35	804	5345	100	100
33	HV <sub>OUT</sub> 34	980	5345	100	100
34	HV <sub>OUT</sub> 33	1156	5345	100	100
35	HV <sub>OUT</sub> 32	1332	5345	100	100
36	HV <sub>OUT</sub> 31	1508	5345	100	100
37	HV <sub>OUT</sub> 30	1684	5345	100	100
38	HV <sub>OUT</sub> 29	1860	5345	100	100

Pad #	Function	x-position <sup>4</sup> ( $\mu\text{m}$ )	y-position <sup>4</sup> ( $\mu\text{m}$ )	x-size ( $\mu\text{m}$ )	y-size ( $\mu\text{m}$ )
39	HV <sub>OUT</sub> 28	2036	5345	100	100
40	HV <sub>OUT</sub> 27	2212	5345	100	100
41	HV <sub>OUT</sub> 26	2388	5345	100	100
42	HV <sub>OUT</sub> 25	2488	4547	100	100
43	HV <sub>OUT</sub> 24	2488	4371	100	100
44	HV <sub>OUT</sub> 23	2488	4195	100	100
45	HV <sub>OUT</sub> 22	2488	4019	100	100
46	HV <sub>OUT</sub> 21	2488	3843	100	100
47	HV <sub>OUT</sub> 20	2488	3667	100	100
48	HV <sub>OUT</sub> 19	2488	3491	100	100
49	HV <sub>OUT</sub> 18	2488	3315	100	100
50	HV <sub>OUT</sub> 17	2488	3139	100	100
51	HV <sub>OUT</sub> 16	2488	2963	100	100
52	HV <sub>OUT</sub> 15	2488	2787	100	100
53	HV <sub>OUT</sub> 14	2488	2611	100	100
54	HV <sub>OUT</sub> 13	2488	2435	100	100
55	HV <sub>OUT</sub> 12	2488	2259	100	100
56	HV <sub>OUT</sub> 11	2488	2083	100	100
57	HV <sub>OUT</sub> 10	2488	1907	100	100
58	HV <sub>OUT</sub> 09	2488	1731	100	100
59	HV <sub>OUT</sub> 08	2488	1555	100	100
60	HV <sub>OUT</sub> 07	2488	1379	100	100
61	HV <sub>OUT</sub> 06	2488	1203	100	100
62	HV <sub>OUT</sub> 05	2488	1027	100	100
63	HV <sub>OUT</sub> 04	2488	851	100	100
64	HV <sub>OUT</sub> 03	2488	675	100	100
65	HV <sub>OUT</sub> 02	2488	499	100	100
66	HV <sub>OUT</sub> 01	2488	323	100	100
67	VPP	2488	160	100	100
68	DIN	2488	0	100	100
69	$\overline{\text{LE}}$	2229	-266	100	100
70	$\overline{\text{CLK}}$	1739	-266	100	100
71	OVSS	1579	-266	100	100
72	LVSS	1396	-266	100	100
73	DIR	1213	-266	100	100
74	VDD	909	-266	100	100
75	$\overline{\text{POL}}$	749	-266	100	100
76	$\overline{\text{BL}}$	259	-266	100	100

**Note:**

4. Pad position is referenced to center of pad.

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