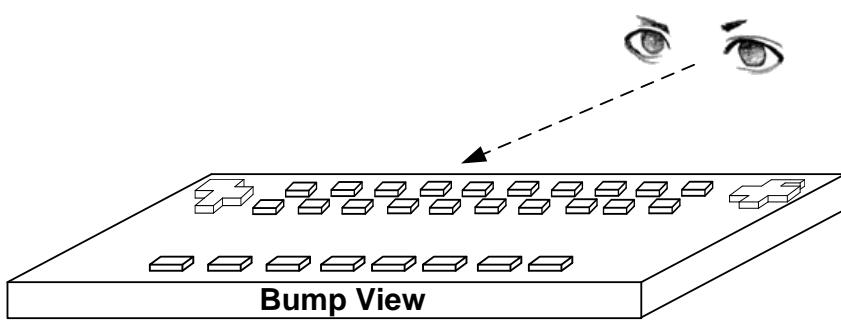
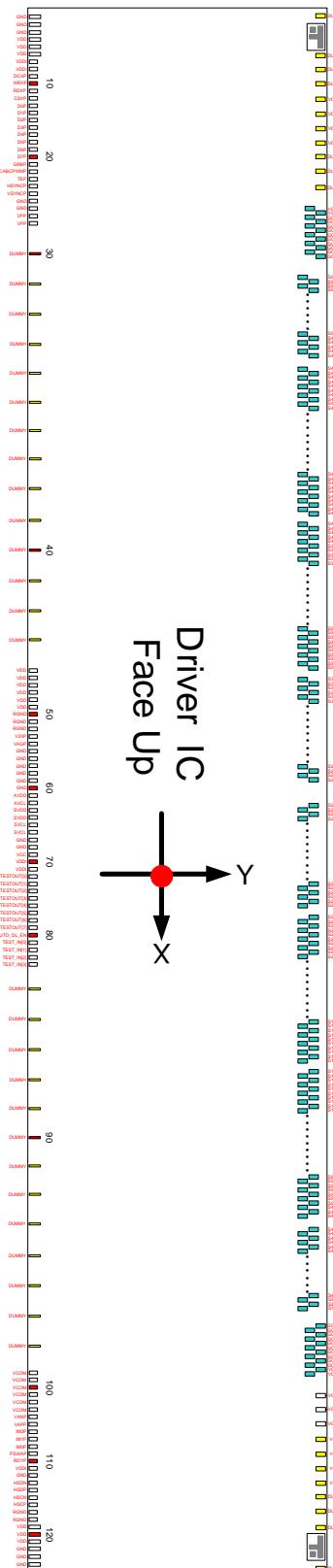


3 PAD ARRANGEMENT

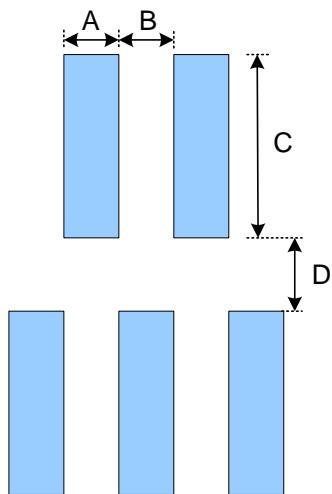
3.1 Output Bump Dimension

Au bump height	9um
Au bump size	<p>13μm x 80μm : Dummy、VCOM、VCOML、VGH、VGHS、VGL GIP : VGHOR、VGHOL、VGL、GO1~GO10 Source : S1~S540</p> <p>30μm x 100μm : Pad 1 to Pad 6、Pad 119 to Pad 124</p> <p>30μm x 75μm : Pad 7 to Pad 29、Pad 44 to Pad 84、Pad 98 to Pad 118</p> <p>15μm x 75μm : Pad 30 to Pad 43、Pad 85 to Pad 97</p>



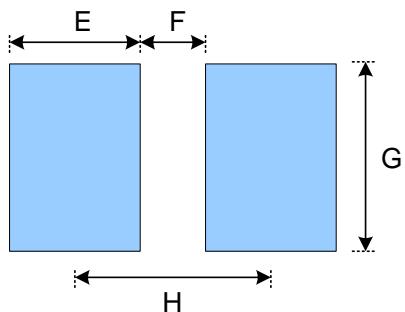
3.2 Bump Dimension

●Output Pads

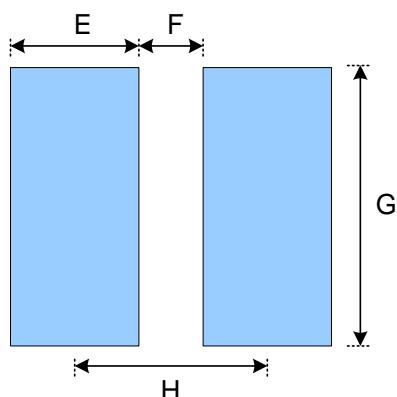


Symbol	Item	Size
A	Bump Width	13 um
B	Bump Gap 1 (Horizontal)	15 um
C	Bump Height	80 um
D	Bump Gap 2 (Vertical)	20 um

●Input Pads



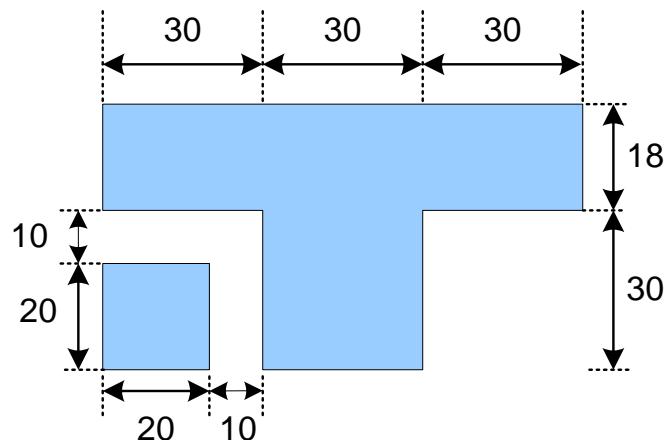
Symbol	Item	Size
E	Bump Width	30 um
F	Bump Gap	15 um
G	Bump Height	75 um
H	Bump Pitch	45 or 49 um



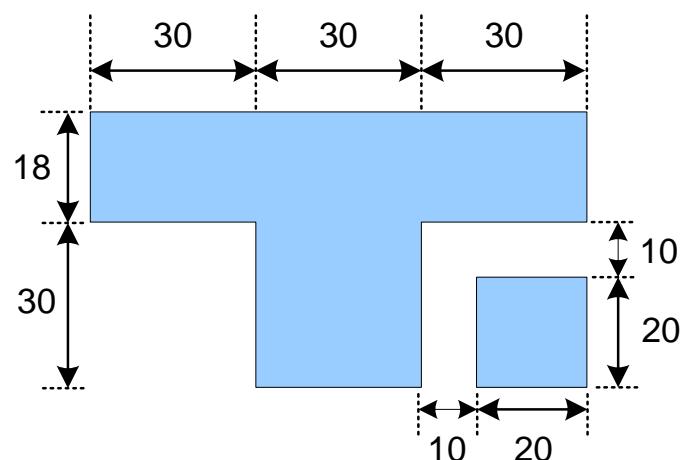
Symbol	Item	Size
E	Bump Width	30 um
F	Bump Gap	15 um
G	Bump Height	100 um
H	Bump Pitch	45 um

3.3 Alignment Mark Dimension

- Alignment Mark Left: L(X,Y)=(-5504.25, 375.1)



- Alignment Mark Right: R(X,Y)= (5504.25, 375.1)



3.4 Chip Information

Chip size	11326 um x 826 um
Chip thickness	250um
Pad Location	Pad center
Coordinate Origin	Chip center

Note: The chip size is not include the scribe line.

4 PAD ARRANGEMENT

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
1	GND	-5617.5	-355	34	DUMMY	-3148.35	-367.5
2	GND	-5572.5	-355	35	DUMMY	-2912.85	-367.5
3	GND	-5527.5	-355	36	DUMMY	-2677.35	-367.5
4	VDD	-5482.5	-355	37	DUMMY	-2441.85	-367.5
5	VDD	-5437.5	-355	38	DUMMY	-2206.35	-367.5
6	VDD	-5392.5	-355	39	DUMMY	-1970.85	-367.5
7	VDDI	-5347.5	-367.5	40	DUMMY	-1735.35	-367.5
8	VDDI	-5302.5	-367.5	41	DUMMY	-1499.85	-367.5
9	DCXP	-5257.5	-367.5	42	DUMMY	-1264.35	-367.5
10	WRXP	-5212.5	-367.5	43	DUMMY	-1028.6	-367.5
11	RDXP	-5167.5	-367.5	44	VDD	-785.5	-367.5
12	CSXP	-5122.5	-367.5	45	VDD	-740.5	-367.5
13	D0P	-5077.5	-367.5	46	VDD	-695.5	-367.5
14	D1P	-5028.5	-367.5	47	VDD	-650.5	-367.5
15	D2P	-4979.5	-367.5	48	VDD	-605.5	-367.5
16	D3P	-4930.5	-367.5	49	VDD	-560.5	-367.5
17	D4P	-4881.5	-367.5	50	RGND	-515.5	-367.5
18	D5P	-4832.5	-367.5	51	RGND	-470.5	-367.5
19	D6P	-4783.5	-367.5	52	RGND	-425.5	-367.5
20	D7P	-4738.5	-367.5	53	V20P	-380.5	-367.5
21	GRBP	-4693.5	-367.5	54	VAGP	-335.5	-367.5
22	CABCPWMP	-4648.5	-367.5	55	GND	-290.5	-367.5
23	TEP	-4603.5	-367.5	56	GND	-245.5	-367.5
24	HSYNCP	-4558.5	-367.5	57	GND	-200.5	-367.5
25	VSYNCP	-4513.5	-367.5	58	GND	-155.5	-367.5
26	GND	-4468.5	-367.5	59	GND	-110.5	-367.5
27	GND	-4423.5	-367.5	60	GND	-65.5	-367.5
28	VPP	-4378.5	-367.5	61	AVDD	-20.5	-367.5
29	VPP	-4333.5	-367.5	62	AVCL	24.5	-367.5
30	DUMMY	-4090.35	-367.5	63	SVDD	69.5	-367.5
31	DUMMY	-3854.85	-367.5	64	SVDD	114.5	-367.5
32	DUMMY	-3619.35	-367.5	65	SVCL	159.5	-367.5
33	DUMMY	-3383.85	-367.5	66	SVCL	204.5	-367.5

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
67	GND	249.5	-367.5	101	VCOM	4582.5	-367.5
68	GND	294.5	-367.5	102	VCOM	4627.5	-367.5
69	VCC	339.5	-367.5	103	VCOM	4672.5	-367.5
70	VDDI	384.5	-367.5	104	VANP	4717.5	-367.5
71	VDDI	429.5	-367.5	105	VAPP	4762.5	-367.5
72	TESTOUTP[0]	474.5	-367.5	106	IM2P	4807.5	-367.5
73	TESTOUTP[1]	519.5	-367.5	107	IM1P	4852.5	-367.5
74	TESTOUTP[2]	564.5	-367.5	108	IM0P	4897.5	-367.5
75	TESTOUTP[3]	609.5	-367.5	109	PSWAP	4942.5	-367.5
76	TESTOUTP[4]	654.5	-367.5	110	RDYP	4987.5	-367.5
77	TESTOUTP[5]	699.5	-367.5	111	VDDI	5032.5	-367.5
78	TESTOUTP[6]	744.5	-367.5	112	GND	5077.5	-367.5
79	TESTOUTP[7]	789.5	-367.5	113	DN	5122.5	-367.5
80	AUTO_DL_ENP	834.5	-367.5	114	DP	5167.5	-367.5
81	TEST_INP[0]	879.5	-367.5	115	CN	5212.5	-367.5
82	TEST_INP[1]	924.5	-367.5	116	CP	5257.5	-367.5
83	TEST_INP[2]	969.5	-367.5	117	RGND	5302.5	-367.5
84	TEST_INP[3]	1014.5	-367.5	118	RGND	5347.5	-367.5
85	DUMMY	1267	-367.5	119	VDD	5392.5	-355
86	DUMMY	1511	-367.5	120	VDD	5437.5	-355
87	DUMMY	1755	-367.5	121	VDD	5482.5	-355
88	DUMMY	1999	-367.5	122	GND	5527.5	-355
89	DUMMY	2243	-367.5	123	GND	5572.5	-355
90	DUMMY	2487	-367.5	124	GND	5617.5	-355
91	DUMMY	2731	-367.5	125	DUMMY	5626	365
92	DUMMY	2975	-367.5	126	DUMMY	5415	365
93	DUMMY	3219	-367.5	127	DUMMY	5325	365
94	DUMMY	3463	-367.5	128	DUMMY	5235	365
95	DUMMY	3707	-367.5	129	VCOM	5145	365
96	DUMMY	3951	-367.5	130	VCOM	5055	365
97	DUMMY	4195	-367.5	131	VCOM	4965	365
98	VCOM	4447.5	-367.5	132	VCOM	4875	365
99	VCOM	4492.5	-367.5	133	VGH	4785	365
100	VCOM	4537.5	-367.5	134	VGHS	4695	365

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
135	VGL	4605	365	169	SO[22]	3893.5	303.3
136	VGHOR	4455.5	265	170	SO[23]	3879.5	203.3
137	VGL	4441.5	365	171	SO[24]	3865.5	303.3
138	GOR[1]	4427.5	265	172	SO[25]	3851.5	203.3
139	GOR[2]	4413.5	365	173	SO[26]	3837.5	303.3
140	GOR[3]	4399.5	265	174	SO[27]	3823.5	203.3
141	GOR[4]	4385.5	365	175	SO[28]	3809.5	303.3
142	GOR[5]	4371.5	265	176	SO[29]	3795.5	203.3
143	GOR[6]	4357.5	365	177	SO[30]	3781.5	303.3
144	GOR[7]	4343.5	265	178	SO[31]	3767.5	203.3
145	GOR[8]	4329.5	365	179	SO[32]	3753.5	303.3
146	GOR[9]	4315.5	265	180	SO[33]	3739.5	203.3
147	GOR[10]	4301.5	365	181	SO[34]	3725.5	303.3
148	SO[1]	4187.5	203.3	182	SO[35]	3711.5	203.3
149	SO[2]	4173.5	303.3	183	SO[36]	3697.5	303.3
150	SO[3]	4159.5	203.3	184	SO[37]	3683.5	203.3
151	SO[4]	4145.5	303.3	185	SO[38]	3669.5	303.3
152	SO[5]	4131.5	203.3	186	SO[39]	3655.5	203.3
153	SO[6]	4117.5	303.3	187	SO[40]	3641.5	303.3
154	SO[7]	4103.5	203.3	188	SO[41]	3627.5	203.3
155	SO[8]	4089.5	303.3	189	SO[42]	3613.5	303.3
156	SO[9]	4075.5	203.3	190	SO[43]	3599.5	203.3
157	SO[10]	4061.5	303.3	191	SO[44]	3585.5	303.3
158	SO[11]	4047.5	203.3	192	SO[45]	3571.5	203.3
159	SO[12]	4033.5	303.3	193	SO[46]	3557.5	303.3
160	SO[13]	4019.5	203.3	194	SO[47]	3435	203.3
161	SO[14]	4005.5	303.3	195	SO[48]	3421	303.3
162	SO[15]	3991.5	203.3	196	SO[49]	3407	203.3
163	SO[16]	3977.5	303.3	197	SO[50]	3393	303.3
164	SO[17]	3963.5	203.3	198	SO[51]	3379	203.3
165	SO[18]	3949.5	303.3	199	SO[52]	3365	303.3
166	SO[19]	3935.5	203.3	200	SO[53]	3351	203.3
167	SO[20]	3921.5	303.3	201	SO[54]	3337	303.3
168	SO[21]	3907.5	203.3	202	SO[55]	3323	203.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
203	SO[56]	3309	303.3	237	SO[90]	2833	303.3
204	SO[57]	3295	203.3	238	SO[91]	2819	203.3
205	SO[58]	3281	303.3	239	SO[92]	2805	303.3
206	SO[59]	3267	203.3	240	SO[93]	2791	203.3
207	SO[60]	3253	303.3	241	SO[94]	2777	303.3
208	SO[61]	3239	203.3	242	SO[95]	2763	203.3
209	SO[62]	3225	303.3	243	SO[96]	2749	303.3
210	SO[63]	3211	203.3	244	SO[97]	2735	203.3
211	SO[64]	3197	303.3	245	SO[98]	2721	303.3
212	SO[65]	3183	203.3	246	SO[99]	2707	203.3
213	SO[66]	3169	303.3	247	SO[100]	2693	303.3
214	SO[67]	3155	203.3	248	SO[101]	2679	203.3
215	SO[68]	3141	303.3	249	SO[102]	2665	303.3
216	SO[69]	3127	203.3	250	SO[103]	2651	203.3
217	SO[70]	3113	303.3	251	SO[104]	2637	303.3
218	SO[71]	3099	203.3	252	SO[105]	2623	203.3
219	SO[72]	3085	303.3	253	SO[106]	2609	303.3
220	SO[73]	3071	203.3	254	SO[107]	2595	203.3
221	SO[74]	3057	303.3	255	SO[108]	2581	303.3
222	SO[75]	3043	203.3	256	SO[109]	2567	203.3
223	SO[76]	3029	303.3	257	SO[110]	2553	303.3
224	SO[77]	3015	203.3	258	SO[111]	2539	203.3
225	SO[78]	3001	303.3	259	SO[112]	2525	303.3
226	SO[79]	2987	203.3	260	SO[113]	2511	203.3
227	SO[80]	2973	303.3	261	SO[114]	2497	303.3
228	SO[81]	2959	203.3	262	SO[115]	2483	203.3
229	SO[82]	2945	303.3	263	SO[116]	2469	303.3
230	SO[83]	2931	203.3	264	SO[117]	2455	203.3
231	SO[84]	2917	303.3	265	SO[118]	2441	303.3
232	SO[85]	2903	203.3	266	SO[119]	2427	203.3
233	SO[86]	2889	303.3	267	SO[120]	2413	303.3
234	SO[87]	2875	203.3	268	SO[121]	2399	203.3
235	SO[88]	2861	303.3	269	SO[122]	2385	303.3
236	SO[89]	2847	203.3	270	SO[123]	2371	203.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
271	SO[124]	2357	303.3	305	SO[158]	1772.5	303.3
272	SO[125]	2343	203.3	306	SO[159]	1758.5	203.3
273	SO[126]	2329	303.3	307	SO[160]	1744.5	303.3
274	SO[127]	2315	203.3	308	SO[161]	1730.5	203.3
275	SO[128]	2301	303.3	309	SO[162]	1716.5	303.3
276	SO[129]	2287	203.3	310	SO[163]	1702.5	203.3
277	SO[130]	2273	303.3	311	SO[164]	1688.5	303.3
278	SO[131]	2259	203.3	312	SO[165]	1674.5	203.3
279	SO[132]	2245	303.3	313	SO[166]	1660.5	303.3
280	SO[133]	2231	203.3	314	SO[167]	1646.5	203.3
281	SO[134]	2217	303.3	315	SO[168]	1632.5	303.3
282	SO[135]	2203	203.3	316	SO[169]	1618.5	203.3
283	SO[136]	2189	303.3	317	SO[170]	1604.5	303.3
284	SO[137]	2066.5	203.3	318	SO[171]	1590.5	203.3
285	SO[138]	2052.5	303.3	319	SO[172]	1576.5	303.3
286	SO[139]	2038.5	203.3	320	SO[173]	1562.5	203.3
287	SO[140]	2024.5	303.3	321	SO[174]	1548.5	303.3
288	SO[141]	2010.5	203.3	322	SO[175]	1534.5	203.3
289	SO[142]	1996.5	303.3	323	SO[176]	1520.5	303.3
290	SO[143]	1982.5	203.3	324	SO[177]	1506.5	203.3
291	SO[144]	1968.5	303.3	325	SO[178]	1492.5	303.3
292	SO[145]	1954.5	203.3	326	SO[179]	1478.5	203.3
293	SO[146]	1940.5	303.3	327	SO[180]	1464.5	303.3
294	SO[147]	1926.5	203.3	328	SO[181]	1450.5	203.3
295	SO[148]	1912.5	303.3	329	SO[182]	1436.5	303.3
296	SO[149]	1898.5	203.3	330	SO[183]	1422.5	203.3
297	SO[150]	1884.5	303.3	331	SO[184]	1408.5	303.3
298	SO[151]	1870.5	203.3	332	SO[185]	1394.5	203.3
299	SO[152]	1856.5	303.3	333	SO[186]	1380.5	303.3
300	SO[153]	1842.5	203.3	334	SO[187]	1366.5	203.3
301	SO[154]	1828.5	303.3	335	SO[188]	1352.5	303.3
302	SO[155]	1814.5	203.3	336	SO[189]	1338.5	203.3
303	SO[156]	1800.5	303.3	337	SO[190]	1324.5	303.3
304	SO[157]	1786.5	203.3	338	SO[191]	1310.5	203.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
339	SO[192]	1296.5	303.3	373	SO[226]	820.5	303.3
340	SO[193]	1282.5	203.3	374	SO[227]	669.5	203.3
341	SO[194]	1268.5	303.3	375	SO[228]	655.5	303.3
342	SO[195]	1254.5	203.3	376	SO[229]	641.5	203.3
343	SO[196]	1240.5	303.3	377	SO[230]	627.5	303.3
344	SO[197]	1226.5	203.3	378	SO[231]	613.5	203.3
345	SO[198]	1212.5	303.3	379	SO[232]	599.5	303.3
346	SO[199]	1198.5	203.3	380	SO[233]	585.5	203.3
347	SO[200]	1184.5	303.3	381	SO[234]	571.5	303.3
348	SO[201]	1170.5	203.3	382	SO[235]	557.5	203.3
349	SO[202]	1156.5	303.3	383	SO[236]	543.5	303.3
350	SO[203]	1142.5	203.3	384	SO[237]	529.5	203.3
351	SO[204]	1128.5	303.3	385	SO[238]	515.5	303.3
352	SO[205]	1114.5	203.3	386	SO[239]	501.5	203.3
353	SO[206]	1100.5	303.3	387	SO[240]	487.5	303.3
354	SO[207]	1086.5	203.3	388	SO[241]	473.5	203.3
355	SO[208]	1072.5	303.3	389	SO[242]	459.5	303.3
356	SO[209]	1058.5	203.3	390	SO[243]	445.5	203.3
357	SO[210]	1044.5	303.3	391	SO[244]	431.5	303.3
358	SO[211]	1030.5	203.3	392	SO[245]	417.5	203.3
359	SO[212]	1016.5	303.3	393	SO[246]	403.5	303.3
360	SO[213]	1002.5	203.3	394	SO[247]	389.5	203.3
361	SO[214]	988.5	303.3	395	SO[248]	375.5	303.3
362	SO[215]	974.5	203.3	396	SO[249]	361.5	203.3
363	SO[216]	960.5	303.3	397	SO[250]	347.5	303.3
364	SO[217]	946.5	203.3	398	SO[251]	333.5	203.3
365	SO[218]	932.5	303.3	399	SO[252]	319.5	303.3
366	SO[219]	918.5	203.3	400	SO[253]	305.5	203.3
367	SO[220]	904.5	303.3	401	SO[254]	291.5	303.3
368	SO[221]	890.5	203.3	402	SO[255]	277.5	203.3
369	SO[222]	876.5	303.3	403	SO[256]	263.5	303.3
370	SO[223]	862.5	203.3	404	SO[257]	249.5	203.3
371	SO[224]	848.5	303.3	405	SO[258]	235.5	303.3
372	SO[225]	834.5	203.3	406	SO[259]	221.5	203.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
407	SO[260]	207.5	303.3	441	SO[294]	-389.5	203.3
408	SO[261]	193.5	203.3	442	SO[295]	-403.5	303.3
409	SO[262]	179.5	303.3	443	SO[296]	-417.5	203.3
410	SO[263]	165.5	203.3	444	SO[297]	-431.5	303.3
411	SO[264]	151.5	303.3	445	SO[298]	-445.5	203.3
412	SO[265]	137.5	203.3	446	SO[299]	-459.5	303.3
413	SO[266]	123.5	303.3	447	SO[300]	-473.5	203.3
414	SO[267]	109.5	203.3	448	SO[301]	-487.5	303.3
415	SO[268]	95.5	303.3	449	SO[302]	-501.5	203.3
416	SO[269]	81.5	203.3	450	SO[303]	-515.5	303.3
417	SO[270]	67.5	303.3	451	SO[304]	-529.5	203.3
418	SO[271]	-67.5	303.3	452	SO[305]	-543.5	303.3
419	SO[272]	-81.5	203.3	453	SO[306]	-557.5	203.3
420	SO[273]	-95.5	303.3	454	SO[307]	-571.5	303.3
421	SO[274]	-109.5	203.3	455	SO[308]	-585.5	203.3
422	SO[275]	-123.5	303.3	456	SO[309]	-599.5	303.3
423	SO[276]	-137.5	203.3	457	SO[310]	-613.5	203.3
424	SO[277]	-151.5	303.3	458	SO[311]	-627.5	303.3
425	SO[278]	-165.5	203.3	459	SO[312]	-641.5	203.3
426	SO[279]	-179.5	303.3	460	SO[313]	-655.5	303.3
427	SO[280]	-193.5	203.3	461	SO[314]	-669.5	203.3
428	SO[281]	-207.5	303.3	462	SO[315]	-820.5	303.3
429	SO[282]	-221.5	203.3	463	SO[316]	-834.5	203.3
430	SO[283]	-235.5	303.3	464	SO[317]	-848.5	303.3
431	SO[284]	-249.5	203.3	465	SO[318]	-862.5	203.3
432	SO[285]	-263.5	303.3	466	SO[319]	-876.5	303.3
433	SO[286]	-277.5	203.3	467	SO[320]	-890.5	203.3
434	SO[287]	-291.5	303.3	468	SO[321]	-904.5	303.3
435	SO[288]	-305.5	203.3	469	SO[322]	-918.5	203.3
436	SO[289]	-319.5	303.3	470	SO[323]	-932.5	303.3
437	SO[290]	-333.5	203.3	471	SO[324]	-946.5	203.3
438	SO[291]	-347.5	303.3	472	SO[325]	-960.5	303.3
439	SO[292]	-361.5	203.3	473	SO[326]	-974.5	203.3
440	SO[293]	-375.5	303.3	474	SO[327]	-988.5	303.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
475	SO[328]	-1002.5	203.3	509	SO[362]	-1478.5	203.3
476	SO[329]	-1016.5	303.3	510	SO[363]	-1492.5	303.3
477	SO[330]	-1030.5	203.3	511	SO[364]	-1506.5	203.3
478	SO[331]	-1044.5	303.3	512	SO[365]	-1520.5	303.3
479	SO[332]	-1058.5	203.3	513	SO[366]	-1534.5	203.3
480	SO[333]	-1072.5	303.3	514	SO[367]	-1548.5	303.3
481	SO[334]	-1086.5	203.3	515	SO[368]	-1562.5	203.3
482	SO[335]	-1100.5	303.3	516	SO[369]	-1576.5	303.3
483	SO[336]	-1114.5	203.3	517	SO[370]	-1590.5	203.3
484	SO[337]	-1128.5	303.3	518	SO[371]	-1604.5	303.3
485	SO[338]	-1142.5	203.3	519	SO[372]	-1618.5	203.3
486	SO[339]	-1156.5	303.3	520	SO[373]	-1632.5	303.3
487	SO[340]	-1170.5	203.3	521	SO[374]	-1646.5	203.3
488	SO[341]	-1184.5	303.3	522	SO[375]	-1660.5	303.3
489	SO[342]	-1198.5	203.3	523	SO[376]	-1674.5	203.3
490	SO[343]	-1212.5	303.3	524	SO[377]	-1688.5	303.3
491	SO[344]	-1226.5	203.3	525	SO[378]	-1702.5	203.3
492	SO[345]	-1240.5	303.3	526	SO[379]	-1716.5	303.3
493	SO[346]	-1254.5	203.3	527	SO[380]	-1730.5	203.3
494	SO[347]	-1268.5	303.3	528	SO[381]	-1744.5	303.3
495	SO[348]	-1282.5	203.3	529	SO[382]	-1758.5	203.3
496	SO[349]	-1296.5	303.3	530	SO[383]	-1772.5	303.3
497	SO[350]	-1310.5	203.3	531	SO[384]	-1786.5	203.3
498	SO[351]	-1324.5	303.3	532	SO[385]	-1800.5	303.3
499	SO[352]	-1338.5	203.3	533	SO[386]	-1814.5	203.3
500	SO[353]	-1352.5	303.3	534	SO[387]	-1828.5	303.3
501	SO[354]	-1366.5	203.3	535	SO[388]	-1842.5	203.3
502	SO[355]	-1380.5	303.3	536	SO[389]	-1856.5	303.3
503	SO[356]	-1394.5	203.3	537	SO[390]	-1870.5	203.3
504	SO[357]	-1408.5	303.3	538	SO[391]	-1884.5	303.3
505	SO[358]	-1422.5	203.3	539	SO[392]	-1898.5	203.3
506	SO[359]	-1436.5	303.3	540	SO[393]	-1912.5	303.3
507	SO[360]	-1450.5	203.3	541	SO[394]	-1926.5	203.3
508	SO[361]	-1464.5	303.3	542	SO[395]	-1940.5	303.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
543	SO[396]	-1954.5	203.3	577	SO[430]	-2539	203.3
544	SO[397]	-1968.5	303.3	578	SO[431]	-2553	303.3
545	SO[398]	-1982.5	203.3	579	SO[432]	-2567	203.3
546	SO[399]	-1996.5	303.3	580	SO[433]	-2581	303.3
547	SO[400]	-2010.5	203.3	581	SO[434]	-2595	203.3
548	SO[401]	-2024.5	303.3	582	SO[435]	-2609	303.3
549	SO[402]	-2038.5	203.3	583	SO[436]	-2623	203.3
550	SO[403]	-2052.5	303.3	584	SO[437]	-2637	303.3
551	SO[404]	-2066.5	203.3	585	SO[438]	-2651	203.3
552	SO[405]	-2189	303.3	586	SO[439]	-2665	303.3
553	SO[406]	-2203	203.3	587	SO[440]	-2679	203.3
554	SO[407]	-2217	303.3	588	SO[441]	-2693	303.3
555	SO[408]	-2231	203.3	589	SO[442]	-2707	203.3
556	SO[409]	-2245	303.3	590	SO[443]	-2721	303.3
557	SO[410]	-2259	203.3	591	SO[444]	-2735	203.3
558	SO[411]	-2273	303.3	592	SO[445]	-2749	303.3
559	SO[412]	-2287	203.3	593	SO[446]	-2763	203.3
560	SO[413]	-2301	303.3	594	SO[447]	-2777	303.3
561	SO[414]	-2315	203.3	595	SO[448]	-2791	203.3
562	SO[415]	-2329	303.3	596	SO[449]	-2805	303.3
563	SO[416]	-2343	203.3	597	SO[450]	-2819	203.3
564	SO[417]	-2357	303.3	598	SO[451]	-2833	303.3
565	SO[418]	-2371	203.3	599	SO[452]	-2847	203.3
566	SO[419]	-2385	303.3	600	SO[453]	-2861	303.3
567	SO[420]	-2399	203.3	601	SO[454]	-2875	203.3
568	SO[421]	-2413	303.3	602	SO[455]	-2889	303.3
569	SO[422]	-2427	203.3	603	SO[456]	-2903	203.3
570	SO[423]	-2441	303.3	604	SO[457]	-2917	303.3
571	SO[424]	-2455	203.3	605	SO[458]	-2931	203.3
572	SO[425]	-2469	303.3	606	SO[459]	-2945	303.3
573	SO[426]	-2483	203.3	607	SO[460]	-2959	203.3
574	SO[427]	-2497	303.3	608	SO[461]	-2973	303.3
575	SO[428]	-2511	203.3	609	SO[462]	-2987	203.3
576	SO[429]	-2525	303.3	610	SO[463]	-3001	303.3

PAD No.	PIN Name	X	Y	PAD No.	PIN Name	X	Y
611	SO[464]	-3015	203.3	645	SO[498]	-3599.5	203.3
612	SO[465]	-3029	303.3	646	SO[499]	-3613.5	303.3
613	SO[466]	-3043	203.3	647	SO[500]	-3627.5	203.3
614	SO[467]	-3057	303.3	648	SO[501]	-3641.5	303.3
615	SO[468]	-3071	203.3	649	SO[502]	-3655.5	203.3
616	SO[469]	-3085	303.3	650	SO[503]	-3669.5	303.3
617	SO[470]	-3099	203.3	651	SO[504]	-3683.5	203.3
618	SO[471]	-3113	303.3	652	SO[505]	-3697.5	303.3
619	SO[472]	-3127	203.3	653	SO[506]	-3711.5	203.3
620	SO[473]	-3141	303.3	654	SO[507]	-3725.5	303.3
621	SO[474]	-3155	203.3	655	SO[508]	-3739.5	203.3
622	SO[475]	-3169	303.3	656	SO[509]	-3753.5	303.3
623	SO[476]	-3183	203.3	657	SO[510]	-3767.5	203.3
624	SO[477]	-3197	303.3	658	SO[511]	-3781.5	303.3
625	SO[478]	-3211	203.3	659	SO[512]	-3795.5	203.3
626	SO[479]	-3225	303.3	660	SO[513]	-3809.5	303.3
627	SO[480]	-3239	203.3	661	SO[514]	-3823.5	203.3
628	SO[481]	-3253	303.3	662	SO[515]	-3837.5	303.3
629	SO[482]	-3267	203.3	663	SO[516]	-3851.5	203.3
630	SO[483]	-3281	303.3	664	SO[517]	-3865.5	303.3
631	SO[484]	-3295	203.3	665	SO[518]	-3879.5	203.3
632	SO[485]	-3309	303.3	666	SO[519]	-3893.5	303.3
633	SO[486]	-3323	203.3	667	SO[520]	-3907.5	203.3
634	SO[487]	-3337	303.3	668	SO[521]	-3921.5	303.3
635	SO[488]	-3351	203.3	669	SO[522]	-3935.5	203.3
636	SO[489]	-3365	303.3	670	SO[523]	-3949.5	303.3
637	SO[490]	-3379	203.3	671	SO[524]	-3963.5	203.3
638	SO[491]	-3393	303.3	672	SO[525]	-3977.5	303.3
639	SO[492]	-3407	203.3	673	SO[526]	-3991.5	203.3
640	SO[493]	-3421	303.3	674	SO[527]	-4005.5	303.3
641	SO[494]	-3435	203.3	675	SO[528]	-4019.5	203.3
642	SO[495]	-3557.5	303.3	676	SO[529]	-4033.5	303.3
643	SO[496]	-3571.5	203.3	677	SO[530]	-4047.5	203.3
644	SO[497]	-3585.5	303.3	678	SO[531]	-4061.5	303.3

PAD No.	PIN Name	X	Y
679	SO[532]	-4075.5	203.3
680	SO[533]	-4089.5	303.3
681	SO[534]	-4103.5	203.3
682	SO[535]	-4117.5	303.3
683	SO[536]	-4131.5	203.3
684	SO[537]	-4145.5	303.3
685	SO[538]	-4159.5	203.3
686	SO[539]	-4173.5	303.3
687	SO[540]	-4187.5	203.3
688	GOL[10]	-4301.5	365
689	GOL[9]	-4315.5	265
690	GOL[8]	-4329.5	365
691	GOL[7]	-4343.5	265
692	GOL[6]	-4357.5	365
693	GOL[5]	-4371.5	265
694	GOL[4]	-4385.5	365
695	GOL[3]	-4399.5	265
696	GOL[2]	-4413.5	365
697	GOL[1]	-4427.5	265
698	VGL	-4441.5	365
699	VGHOL	-4455.5	265
700	DUMMY	-4605	365
701	DUMMY	-4695	365
702	DUMMY	-4785	365
703	VCOML	-4875	365
704	VCOML	-4965	365
705	VCOML	-5055	365
706	VCOML	-5145	365
707	DUMMY	-5235	365
708	DUMMY	-5325	365
709	DUMMY	-5415	365
710	DUMMY	-5626	365

Note: The Pad Location is not include the Temperature Compensation (TC).