

HCD66130BP PAD Coordinate

Chip size : 18.22mm x 1.34mm
 Coordinate : Pad center
 Origin : Chip center
 PAD size :

PAD No.	PAD Name	AL size (Typ)		BUMP size (Typ)		
		X (μm)	Y (μm)	X (μm)	Y (μm)	h (μm)
466	DMY1	80	80	70	70	20
467	DMY2					
468	DMY3					
469	DMY4					
1	Y1	80	50	70	40	20
⋮	⋮					
14	Y14					
307	Y307					
⋮	⋮					
320	Y320					
	Other Pads	50	80	40	70	20

(Note 1)

1. Input same voltage to VMR and VML
2. Input same voltage to V0R and V0L
3. Input same voltage to V1R and V1L
4. PAD No.365 to No.368 and No.438 to No.441 have to connect GND pin.

(Note2) Handring the pin of NC PAD and Dummy PAD.

Don't connect any wires to these terminals.

(Note 3)

Out put pin checked total 84 pin cpunt. Please show table 2.

(Note 4)

This table shows the measured data of the 1'st cut sample. The final specification will be issued as CAS

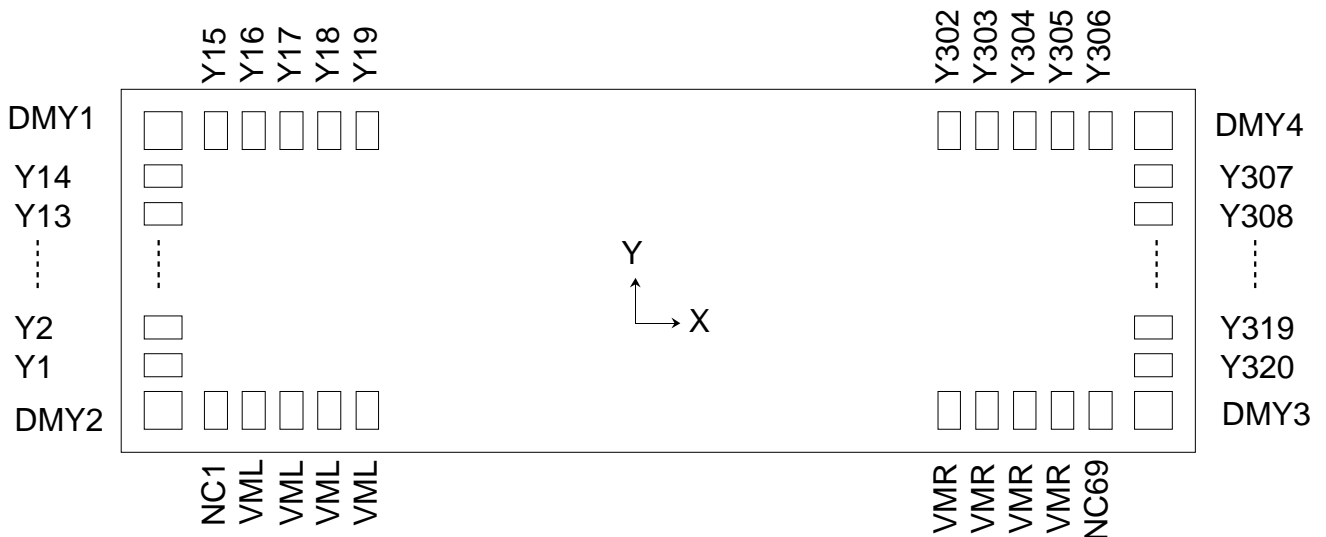


Table 1. HCD66130BP PAD coordinate

PAD No.	PAD Name	Coordinate		PAD No.	PAD Name	Coordinate		PAD No.	PAD Name	Coordinate		PAD No.	PAD Name	Coordinate	
		X	Y			X	Y			X	Y			X	Y
1	Y1	-8875	-416	41	Y41	-7170	439	81	Y81	-4770	439	121	Y121	-2370	439
2	Y2	-8875	-356	42	Y42	-7110	439	82	Y82	-4710	439	122	Y122	-2310	439
3	Y3	-8875	-296	43	Y43	-7050	439	83	Y83	-4650	439	123	Y123	-2250	439
4	Y4	-8875	-236	44	Y44	-6990	439	84	Y84	-4590	439	124	Y124	-2190	439
5	Y5	-8875	-176	45	Y45	-6930	439	85	Y85	-4530	439	125	Y125	-2130	439
6	Y6	-8875	-116	46	Y46	-6870	439	86	Y86	-4470	439	126	Y126	-2070	439
7	Y7	-8875	-56	47	Y47	-6810	439	87	Y87	-4410	439	127	Y127	-2010	439
8	Y8	-8875	4	48	Y48	-6750	439	88	Y88	-4350	439	128	Y128	-1950	439
9	Y9	-8875	64	49	Y49	-6690	439	89	Y89	-4290	439	129	Y129	-1890	439
10	Y10	-8875	124	50	Y50	-6630	439	90	Y90	-4230	439	130	Y130	-1830	439
11	Y11	-8875	184	51	Y51	-6570	439	91	Y91	-4170	439	131	Y131	-1770	439
12	Y12	-8875	244	52	Y52	-6510	439	92	Y92	-4110	439	132	Y132	-1710	439
13	Y13	-8875	304	53	Y53	-6450	439	93	Y93	-4050	439	133	Y133	-1650	439
14	Y14	-8875	364	54	Y54	-6390	439	94	Y94	-3990	439	134	Y134	-1590	439
15	Y15	-8730	439	55	Y55	-6330	439	95	Y95	-3930	439	135	Y135	-1530	439
16	Y16	-8670	439	56	Y56	-6270	439	96	Y96	-3870	439	136	Y136	-1470	439
17	Y17	-8610	439	57	Y57	-6210	439	97	Y97	-3810	439	137	Y137	-1410	439
18	Y18	-8550	439	58	Y58	-6150	439	98	Y98	-3750	439	138	Y138	-1350	439
19	Y19	-8490	439	59	Y59	-6090	439	99	Y99	-3690	439	139	Y139	-1290	439
20	Y20	-8430	439	60	Y60	-6030	439	100	Y100	-3630	439	140	Y140	-1230	439
21	Y21	-8370	439	61	Y61	-5970	439	101	Y101	-3570	439	141	Y141	-1170	439
22	Y22	-8310	439	62	Y62	-5910	439	102	Y102	-3510	439	142	Y142	-1110	439
23	Y23	-8250	439	63	Y63	-5850	439	103	Y103	-3450	439	143	Y143	-1050	439
24	Y24	-8190	439	64	Y64	-5790	439	104	Y104	-3390	439	144	Y144	-990	439
25	Y25	-8130	439	65	Y65	-5730	439	105	Y105	-3330	439	145	Y145	-930	439
26	Y26	-8070	439	66	Y66	-5670	439	106	Y106	-3270	439	146	Y146	-870	439
27	Y27	-8010	439	67	Y67	-5610	439	107	Y107	-3210	439	147	Y147	-810	439
28	Y28	-7950	439	68	Y68	-5550	439	108	Y108	-3150	439	148	Y148	-750	439
29	Y29	-7890	439	69	Y69	-5490	439	109	Y109	-3090	439	149	Y149	-690	439
30	Y30	-7830	439	70	Y70	-5430	439	110	Y110	-3030	439	150	Y150	-630	439
31	Y31	-7770	439	71	Y71	-5370	439	111	Y111	-2970	439	151	Y151	-570	439
32	Y32	-7710	439	72	Y72	-5310	439	112	Y112	-2910	439	152	Y152	-510	439
33	Y33	-7650	439	73	Y73	-5250	439	113	Y113	-2850	439	153	Y153	-450	439
34	Y34	-7590	439	74	Y74	-5190	439	114	Y114	-2790	439	154	Y154	-390	439
35	Y35	-7530	439	75	Y75	-5130	439	115	Y115	-2730	439	155	Y155	-330	439
36	Y36	-7470	439	76	Y76	-5070	439	116	Y116	-2670	439	156	Y156	-270	439
37	Y37	-7410	439	77	Y77	-5010	439	117	Y117	-2610	439	157	Y157	-210	439
38	Y38	-7350	439	78	Y78	-4950	439	118	Y118	-2550	439	158	Y158	-150	439
39	Y39	-7290	439	79	Y79	-4890	439	119	Y119	-2490	439	159	Y159	-90	439
40	Y40	-7230	439	80	Y80	-4830	439	120	Y120	-2430	439	160	Y160	-30	439

PAD No.	PAD Name	Coordinate		PAD No.	PAD Name	Coordinate		PAD No.	PAD Name	Coordinate		PAD No.	PAD Name	Coordinate	
		X	Y			X	Y			X	Y			X	Y
161	Y161	30	439	201	Y201	2430	439	241	Y241	4830	439	281	Y281	7230	439
162	Y162	90	439	202	Y202	2490	439	242	Y242	4890	439	282	Y282	7290	439
163	Y163	150	439	203	Y203	2550	439	243	Y243	4950	439	283	Y283	7350	439
164	Y164	210	439	204	Y204	2610	439	244	Y244	5010	439	284	Y284	7410	439
165	Y165	270	439	205	Y205	2670	439	245	Y245	5070	439	285	Y285	7470	439
166	Y166	330	439	206	Y206	2730	439	246	Y246	5130	439	286	Y286	7530	439
167	Y167	390	439	207	Y207	2790	439	247	Y247	5190	439	287	Y287	7590	439
168	Y168	450	439	208	Y208	2850	439	248	Y248	5250	439	288	Y288	7650	439
169	Y169	510	439	209	Y209	2910	439	249	Y249	5310	439	289	Y289	7710	439
170	Y170	570	439	210	Y210	2970	439	250	Y250	5370	439	290	Y290	7770	439
171	Y171	630	439	211	Y211	3030	439	251	Y251	5430	439	291	Y291	7830	439
172	Y172	690	439	212	Y212	3090	439	252	Y252	5490	439	292	Y292	7890	439
173	Y173	750	439	213	Y213	3150	439	253	Y253	5550	439	293	Y293	7950	439
174	Y174	810	439	214	Y214	3210	439	254	Y254	5610	439	294	Y294	8010	439
175	Y175	870	439	215	Y215	3270	439	255	Y255	5670	439	295	Y295	8070	439
176	Y176	930	439	216	Y216	3330	439	256	Y256	5730	439	296	Y296	8130	439
177	Y177	990	439	217	Y217	3390	439	257	Y257	5790	439	297	Y297	8190	439
178	Y178	1050	439	218	Y218	3450	439	258	Y258	5850	439	298	Y298	8250	439
179	Y179	1110	439	219	Y219	3510	439	259	Y259	5910	439	299	Y299	8310	439
180	Y180	1170	439	220	Y220	3570	439	260	Y260	5970	439	300	Y300	8370	439
181	Y181	1230	439	221	Y221	3630	439	261	Y261	6030	439	301	Y301	8430	439
182	Y182	1290	439	222	Y222	3690	439	262	Y262	6090	439	302	Y302	8490	439
183	Y183	1350	439	223	Y223	3750	439	263	Y263	6150	439	303	Y303	8550	439
184	Y184	1410	439	224	Y224	3810	439	264	Y264	6210	439	304	Y304	8610	439
185	Y185	1470	439	225	Y225	3870	439	265	Y265	6270	439	305	Y305	8670	439
186	Y186	1530	439	226	Y226	3930	439	266	Y266	6330	439	306	Y306	8730	439
187	Y187	1590	439	227	Y227	3990	439	267	Y267	6390	439	307	Y307	8875	364
188	Y188	1650	439	228	Y228	4050	439	268	Y268	6450	439	308	Y308	8875	304
189	Y189	1710	439	229	Y229	4110	439	269	Y269	6510	439	309	Y309	8875	244
190	Y190	1770	439	230	Y230	4170	439	270	Y270	6570	439	310	Y310	8875	184
191	Y191	1830	439	231	Y231	4230	439	271	Y271	6630	439	311	Y311	8875	124
192	Y192	1890	439	232	Y232	4290	439	272	Y272	6690	439	312	Y312	8875	64
193	Y193	1950	439	233	Y233	4350	439	273	Y273	6750	439	313	Y313	8875	4
194	Y194	2010	439	234	Y234	4410	439	274	Y274	6810	439	314	Y314	8875	-56
195	Y195	2070	439	235	Y235	4470	439	275	Y275	6870	439	315	Y315	8875	-116
196	Y196	2130	439	236	Y236	4530	439	276	Y276	6930	439	316	Y316	8875	-176
197	Y197	2190	439	237	Y237	4590	439	277	Y277	6990	439	317	Y317	8875	-236
198	Y198	2250	439	238	Y238	4650	439	278	Y278	7050	439	318	Y318	8875	-296
199	Y199	2310	439	239	Y239	4710	439	279	Y279	7110	439	319	Y319	8875	-356
200	Y200	2370	439	240	Y240	4770	439	280	Y280	7170	439	320	Y320	8875	-416

PA D No	PAD NAME	Coordinate		PA D No	PAD NAME	Coordinate		PA D No	PAD NAME	Coordinate		PA D No	PAD NAME	Coordinate	
		X	Y			X	Y			X	Y			X	Y
321	NC1	-8583	-494	361	BS	-4489	-494	401	D4	845	-494	441	GND	6048	-494
322	VML	-8353	-494	362	NC19	-4264	-494	402	D4	915	-494	442	NC61	6147	-494
323	VML	-8283	-494	363	NC20	-4187	-494	403	NC40	1139	-494	443	NC62	6217	-494
324	VML	-8213	-494	364	NC21	-4117	-494	404	NC41	1220	-494	444	NC63	6287	-494
325	VML	-8143	-494	365	GND	-4047	-494	405	D5	1445	-494	445	NC64	6358	-494
326	VML	-8073	-494	366	GND	-3977	-494	406	D5	1515	-494	446	V1R	6563	-494
327	NC2	-7868	-494	367	GND	-3907	-494	407	NC42	1734	-494	447	V1R	6633	-494
328	NC3	-7798	-494	368	GND	-3837	-494	408	NC43	1804	-494	448	V1R	6703	-494
329	V0L	-7592	-494	369	NC22	-3755	-494	409	D6	2024	-494	449	V1R	6773	-494
330	V0L	-7522	-494	370	NC23	-3678	-494	410	D6	2094	-494	450	V1R	6843	-494
331	V0L	-7452	-494	371	NC24	-3608	-494	411	NC44	2319	-494	451	NC65	7043	-494
332	V0L	-7382	-494	372	NC25	-3532	-494	412	NC45	2399	-494	452	NC66	7113	-494
333	V0L	-7312	-494	373	SHL	-3307	-494	413	D7	2624	-494	453	V0R	7312	-494
334	NC4	-7113	-494	374	SHL	-3237	-494	414	D7	2694	-494	454	V0R	7382	-494
335	NC5	-7043	-494	375	NC26	-3017	-494	415	NC46	2914	-494	455	V0R	7452	-494
336	V1L	-6843	-494	376	NC27	-2947	-494	416	NC47	2984	-494	456	V0R	7522	-494
337	V1L	-6773	-494	377	EIO1	-2728	-494	417	CL2	3203	-494	457	V0R	7592	-494
338	V1L	-6703	-494	378	EIO1	-2658	-494	418	CL2	3273	-494	458	NC67	7798	-494
339	V1L	-6633	-494	379	NC28	-2400	-494	419	NC48	3498	-494	459	NC68	7868	-494
340	V1L	-6563	-494	380	NC29	-2319	-494	420	NC49	3578	-494	460	VMR	8073	-494
341	NC6	-6357	-494	381	DISP	-2094	-494	421	CL1	3803	-494	461	VMR	8143	-494
342	NC7	-6287	-494	382	DISP	-2024	-494	422	CL1	3873	-494	462	VMR	8213	-494
343	NC8	-6217	-494	383	NC30	-1804	-494	423	NC50	4093	-494	463	VMR	8283	-494
344	NC9	-6147	-494	384	NC31	-1734	-494	424	NC51	4163	-494	464	VMR	8353	-494
345	NC10	-6077	-494	385	D0	-1515	-494	425	M	4383	-494	465	NC69	8583	-494
346	VCC	-6007	-494	386	D0	-1445	-494	426	M	4453	-494	466	DMY1	-8875	439
347	VCC	-5937	-494	387	NC32	-1220	-494	427	NC52	4677	-494	467	DMY2	-8875	-494
348	VCC	-5867	-494	388	NC33	-1139	-494	428	NC53	4761	-494	468	DMY3	8875	-494
349	VCC	-5797	-494	389	D1	-915	-494	429	NC54	4847	-494	469	DMY4	8875	439
350	NC11	-5719	-494	390	D1	-845	-494	430	EIO2	5105	-494				
351	NC12	-5649	-494	391	NC34	-625	-494	431	EIO2	5175	-494				
352	NC13	-5579	-494	392	NC35	-555	-494	432	NC55	5395	-494				
353	NC14	-5509	-494	393	D2	-335	-494	433	NC56	5465	-494				
354	NC15	-5439	-494	394	D2	-265	-494	434	NC57	5535	-494				
355	NC16	-5363	-494	395	NC36	-41	-494	435	NC58	5605	-494				
356	MODE	-5138	-494	396	NC37	41	-494	436	NC59	5675	-494				
357	MODE	-5068	-494	397	D3	265	-494	437	NC60	5745	-494				
358	NC17	-4848	-494	398	D3	335	-494	438	GND	5838	-494				
359	NC18	-4778	-494	399	NC38	555	-494	439	GND	5908	-494				
360	BS	-4559	-494	400	NC39	625	-494	440	GND	5978	-494				

Table 2. Number of output check pins

PAD No.	PAD Name	Check pin	PAD No.	PAD Name	Check pin	PAD No.	PAD Name	Check pin	PAD No.	PAD Name	Check pin
1	Y1	○	41	Y41		81	Y81		121	Y121	
2	Y2		42	Y42	○	82	Y82		122	Y122	
3	Y3	○	43	Y43		83	Y83	○	123	Y123	
4	Y4		44	Y44	○	84	Y84		124	Y124	○
5	Y5	○	45	Y45		85	Y85		125	Y125	
6	Y6		46	Y46	○	86	Y86		126	Y126	
7	Y7		47	Y47		87	Y87	○	127	Y127	
8	Y8		48	Y48		88	Y88		128	Y128	○
9	Y9		49	Y49	○	89	Y89		129	Y129	
10	Y10	○	50	Y50		90	Y90	○	130	Y130	
11	Y11		51	Y51		91	Y91		131	Y131	○
12	Y12		52	Y52		92	Y92		132	Y132	
13	Y13		53	Y53	○	93	Y93		133	Y133	
14	Y14	○	54	Y54		94	Y94	○	134	Y134	
15	Y15		55	Y55		95	Y95		135	Y135	○
16	Y16		56	Y56		96	Y96		136	Y136	
17	Y17		57	Y57		97	Y97	○	137	Y137	
18	Y18		58	Y58	○	98	Y98		138	Y138	○
19	Y19	○	59	Y59		99	Y99		139	Y139	
20	Y20		60	Y60		100	Y100		140	Y140	
21	Y21		61	Y61		101	Y101	○	141	Y141	
22	Y22		62	Y62	○	102	Y102		142	Y142	○
23	Y23	○	63	Y63		103	Y103		143	Y143	
24	Y24		64	Y64		104	Y104		144	Y144	
25	Y25		65	Y65		105	Y105		145	Y145	○
26	Y26		66	Y66		106	Y106	○	146	Y146	
27	Y27		67	Y67	○	107	Y107		147	Y147	
28	Y28	○	68	Y68		108	Y108		148	Y148	
29	Y29		69	Y69		109	Y109		149	Y149	○
30	Y30		70	Y70		110	Y110	○	150	Y150	
31	Y31		71	Y71	○	111	Y111		151	Y151	
32	Y32	○	72	Y72		112	Y112		152	Y152	
33	Y33		73	Y73		113	Y113		153	Y153	
34	Y34		74	Y74		114	Y114		154	Y154	○
35	Y35	○	75	Y75		115	Y115	○	155	Y155	
36	Y36		76	Y76	○	116	Y116		156	Y156	
37	Y37		77	Y77		117	Y117		157	Y157	
38	Y38		78	Y78		118	Y118		158	Y158	○
39	Y39	○	79	Y79		119	Y119	○	159	Y159	
40	Y40		80	Y80	○	120	Y120		160	Y160	

PAD No.	PAD Name	Check pin	PAD No.	PAD Name	Check pin	PAD No.	PAD Name	Check pin	PAD No.	PAD Name	Check pin
161	Y161		201	Y201		241	Y241		281	Y281	
162	Y162	○	202	Y202		242	Y242		282	Y282	
163	Y163		203	Y203	○	243	Y243		283	Y283	○
164	Y164		204	Y204		244	Y244	○	284	Y284	
165	Y165		205	Y205		245	Y245		285	Y285	
166	Y166	○	206	Y206		246	Y246		286	Y286	
167	Y167		207	Y207	○	247	Y247		287	Y287	○
168	Y168		208	Y208		248	Y248	○	288	Y288	
169	Y169	○	209	Y209		249	Y249		289	Y289	
170	Y170		210	Y210	○	250	Y250		290	Y290	
171	Y171		211	Y211		251	Y251	○	291	Y291	
172	Y172		212	Y212		252	Y252		292	Y292	○
173	Y173	○	213	Y213		253	Y253		293	Y293	
174	Y174		214	Y214	○	254	Y254		294	Y294	
175	Y175		215	Y215		255	Y255	○	295	Y295	
176	Y176		216	Y216		256	Y256		296	Y296	○
177	Y177		217	Y217	○	257	Y257		297	Y297	
178	Y178	○	218	Y218		258	Y258	○	298	Y298	
179	Y179		219	Y219		259	Y259		299	Y299	○
180	Y180		220	Y220		260	Y260		300	Y300	
181	Y181		221	Y221	○	261	Y261		301	Y301	
182	Y182	○	222	Y222		262	Y262	○	302	Y302	
183	Y183		223	Y223		263	Y263		303	Y303	○
184	Y184		224	Y224		264	Y264		304	Y304	
185	Y185		225	Y225		265	Y265	○	305	Y305	
186	Y186		226	Y226	○	266	Y266		306	Y306	○
187	Y187	○	227	Y227		267	Y267		307	Y307	
188	Y188		228	Y228		268	Y268		308	Y308	
189	Y189		229	Y229		269	Y269	○	309	Y309	
190	Y190		230	Y230	○	270	Y270		310	Y310	○
191	Y191	○	231	Y231		271	Y271		311	Y311	
192	Y192		232	Y232		272	Y272		312	Y312	
193	Y193		233	Y233		273	Y273		313	Y313	○
194	Y194		234	Y234		274	Y274	○	314	Y314	
195	Y195		235	Y235		275	Y275		315	Y315	
196	Y196	○	236	Y236	○	276	Y276		316	Y316	
197	Y197		237	Y237		277	Y277		317	Y317	○
198	Y198		238	Y238		278	Y278	○	318	Y318	
199	Y199		239	Y239	○	279	Y279		319	Y319	○
200	Y200	○	240	Y240		280	Y280	○	320	Y320	