

28				PLCC28-1.27-30	IC120-0284-408					
32				PLCC32-1.27-30						
32								P7032RP		
44				PLCC44-1.27-30						
44			Live Bug	PLCC44-1.27-31						
44			Clamshell		IC51-0444-400					
52				PLCC52-1.27-30						
52								P7052SP		
52			Clamshell		IC51-0524-411-1					
68				PLCC68-1.27-30						
68								P7068SP		
68			Live Bug		IC120-0684-304					
84				PLCC84-1.27-30						
84								P7084SP		

QFP				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
72		0.25mm	Clamshell							9500-025-72	
180		0.3mm	Clamshell							8500-030-180	
52		0.4mm	Clamshell							8500-040-52	
128		0.4mm	Clamshell		FPQ128-0.4-XX						
256		0.508mm	Clamshell		FPQ256-0.508-01						
32		0.5mm		7007-032-01-07A							
48		0.5mm	Opentop		OTQ48-0.5-04						
48		0.5mm	Opentop		OTQ48-0.5-08						
48		0.5mm	Opentop		OTQ48-0.5-10						
48		0.5mm	Opentop		OTQ48-0.5-12						
48		0.5mm	Clamshell			IC51-0484-806					
64		0.5mm	Opentop		OTQ64-0.5-01						
64		0.5mm	Opentop		OTQ64-0.5-07						
64		0.5mm	Clamshell			IC51-0644-807-4					
80		0.5mm	Opentop		OTQ80-0.5-02						
80		0.5mm	Opentop		OTQ80-0.5-09						
80		0.5mm	Opentop	7012-080-6-08							
100		0.5mm	Opentop	7014-100-1-08							
100		0.5mm	Clamshell			IC51-1004-809					
100		0.5mm	Opentop		OTQ100-0.5-01						
128		0.5mm	Clamshell		FPQ128-0.5-03A						
144		0.5mm	Clamshell			IC51-1444-026					
144		0.5mm	Opentop			IC201-1444-034					
176		0.5mm	Opentop	OTQ176-0.5-04							
208		0.5mm	Opentop			IC201-2084-096					
256		0.5mm	Clamshell		FPQ256(352)-0.5-01						
48		0.635mm	Carrier	646-4480345							

52		0.635mm	Clamshell	646-4560345					
64		0.635mm	Clamshell		FPQ64(196)-0.635-02				
132		0.635mm	Clamshell		FPQ132-0.635-01				
172		0.635mm	Opentop		OTQ172(196)-0.635-04				
196		0.635mm	Clamshell		FPQ196-0.635-01				
52		0.65mm	Opentop		OTQ52-0.65-03				
52		0.65mm	Opentop	7010-052-1-08					
52		0.65mm	Opentop	7310-052-1-08					
64		0.65mm	Clamshell			IC51-0644-1972			
64	14 X 14	0.65mm	Clamshell			IC51-0804-956-2			
80	14 X 14	0.65mm	Opentop			IC201-0804-012			
80		0.65mm	Opentop		OTQ80-0.65-01				
80		0.65mm	Opentop		OTQ80-0.65-05				
80		0.65mm	Opentop	7014-080-1-08					
80	14 X 14	0.65mm	Clamshell			IC51-0804-795			
100		0.65mm	Opentop			IC51-1004-028			
100		0.65mm	Opentop		OTQ100-0.65-01				
100		0.65mm	Opentop	680-1001111-002					
100		0.65mm	Clamshell			IC51-814-KS12033			
100		0.65mm	Clamshell		FPQ100-0.65-16A				
144	28 X 28	0.65mm	Clamshell			IC51-1444-1014			
160	28 X 28	0.65mm	Clamshell			IC51-1604-845-4			
160		0.65mm	Carrier	620-160-0811-004					
32		0.8mm	Opentop		OTQ32-0.8-02				
44		0.8mm	Opentop		OTQ44-0.8-04				
44		0.8mm	Opentop		OTQ44-0.8-03				
44		0.8mm	Opentop	7010-044-1-00					
44		0.8mm	Clamshell			IC51-467AC-15687			
48		0.8mm	Opentop	7007-048-1-07					
64		0.8mm	Opentop	7014-064-1-08					
80		0.8mm	Clamshell			IC51-819-KS12720			
80		0.8mm	Opentop		OTQ80-0.8-04				
120		0.8mm	Opentop		OTQ120-0.8-01				
120		0.8mm	Clamshell		FPQ120-0.8-02				
52		1.0mm	Clamshell		FPQ52-1.0-06				
64		1.0mm	Clamshell			IC51-0644-820-4			
28		1.27mm	Carrier	628-0282315					
68		1.27mm	Carrier	619-068-0811					
84		1.27mm	Carrier	619-0841611					
44			Opentop			IC218-0444-006P			
64			Clamshell			IC51-0644-839			
64			Clamshell			IC51-0644-1819			
80			Clamshell			IC51-0804-840			
80			Clamshell			IC51-0804-1818			
84				619-100161-001					
100			Clamshell			IC51-1004-852			

SOP				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
10		0.51mm	Opentop	656-0102211							
8		0.65mm	Opentop	656-1082211							
28		0.65mm	Clamshell		FP28(30)-0.65-01A						
36			Opentop		OTS36-0.65-02						
8	4.4mm	1.27mm	Opentop	652B0082211							
8	150mil	1.27mm	Opentop		OTS8(16)-1.27-03						
14	150mil	1.27mm	Opentop		OTS14(16)-1.27-03						
16	150mil	1.27mm	Opentop		OTS16-1.27-03						
16	150mil	1.27mm	Opentop	652B0162211-002							
16	150mil	1.27mm	Opentop	652D0162212W501							
16	300mil	1.27mm	Opentop		OTS16(28)-1.27-04						
20	5.4mm	1.27mm	Opentop		OTS20-1.27-01						
20	300mil	1.27mm	Opentop		OTS20(28)-1.27-04						
20	433mil	1.27mm	Opentop		OTS20-1.27-04						
24		1.27mm	Clamshell		FP24-1.27-07						
24	300mil	1.27mm	Opentop		OTS24(28)-1.27-04						
28		1.27mm	Clamshell		FP28-1.27-07						
28	300mil	1.27mm	Opentop		OTS28-1.27-04						
28	350mil	1.27mm	Opentop		OTS28-1.27-01A						
32	300mil		Opentop	652D0322211-001							

SSOP				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
14		0.65mm	Opentop		OTS14(24)-0.65-01						
16		0.65mm	Opentop		OTS14(24)-0.65-01						
18		0.65mm	Opentop		OTS16(24)-0.65-01						
20		0.65mm	Opentop		OTS18(24)-0.65-01						
24		0.65mm	Opentop		OTS20(34)-0.65-01						
24		0.65mm	Opentop		OTS24(34)-0.65-01						
28		0.65mm	Opentop		OTS28(34)-0.65-01						
30		0.65mm	Opentop		OTS30(34)-0.65-01						
34		0.65mm	Opentop		OTS34-0.65-01						
36		0.65mm	Opentop		OTS36SG-0.65-01						
36		0.8mm	Opentop		OTS36(44)-0.8-20						

DISCRETES				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
3			SOT23	499-036-00							
3			TO263						4246-041		
3			SOT23						03333-061		
4			PSMP						4245-041		
4			SOT23						4243-041		

4			TO4							02950-041-6218A	
5			SOT595							4234-101	
5			TO252							4244-041	
6			SOT23	499-044-10							
6			TO220							4235-071-6215	
6			SC70							03256-181	
7			TO263							4255-071-6217	
7			TO							04524-071-x215	
9			TO							04231-091-x215	
11			SIP							03551-11	
15			TO263							4230-151	
15			SIP15							03551-151-6215	
20			Heat Slug							4337-201	
28			SOIC28 Wide							4337-281B	

TSSOP				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
30		0.5mm	Opentop		OTS30(44)-0.5-01						
16		0.635mm	Opentop		OTS16(28)-0.635-03						
16		0.635mm	Opentop		OTS16(28)-0.635-02						
20		0.635mm	Opentop		OTS20(28)-0.635-02						
8		0.65mm	Opentop		OTS8(24)-0.65-01						
14		0.65mm	Opentop		OTS14(24)-0.65-01						
14		0.65mm	Opentop		OTS14(28)-0.65-01						
16		0.65mm	Opentop		OTS16(24)-0.65-01						
20		0.65mm	Opentop		OTS20(24)-0.65-01						
24		0.65mm	Opentop		OTS24-0.65-01						
24		0.65mm	Opentop		OTS24(28)-0.65-02						
28		0.65mm	Opentop		OTS28-0.65-01						
32		0.65mm	Opentop		OTS32(44)-0.65-02						

TSOP				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
26			Clamshell		FP-26-1.27-04B						
44				674C1442211-A08							
50				674C1502211-A11							
50				674C1502211-A11							
56				648-0562211							

SOJ				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
26	300mil					IC107-2603-G					

26	350mil						CSJT-026A-57T-*		
28	400mil			644-2280312					
40	400mil						CSJT-040B-57T-43		
42	400mil			644-2420312-014					
42	400mil					IC107-4204-G			

BGA				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	3M
Pins	Size	Pitch	Notes							
64		0.55mm								
80		0.55mm	Clamshell							79300-10-033
100		0.5mm					CBG100(88)-081AE-C			
121		0.65mm				NP378-1134.A101154-001				
144		0.65mm				NP378-14164-A102208001				
32		0.8mm			OTB32(144)-0.8-26					
48		0.8mm			OTB48(144)-0.8-11					
64		0.8mm				NP351-09663-A10115				
84		0.8mm			OTB84(144)-0.8-XX					
100		0.8mm								2100-9016-XX-2501
144		0.8mm		777F1144H202C						
144		0.8mm						144SB8AA2131		
168		0.8mm			OTB168(256)-0.8-074					
196		0.8mm				NP351-18464-4-AC23530	CBG196-056C			
74		1.0mm		8112-074-1A-00						
81		1.0mm						081BG10B226		
100		1.0mm			OTB100(256)-1.0-43					
108		1.0mm								2108 9302 01 2401
121		1.0mm						120SQU121B6617		2121-9300-XX-3401
144		1.0mm			OTB144(256)-1.0-00					
172		1.0mm								2172-9306-0A-2401
220		1.0mm								220-9110-XX-1101
352		1.0mm								2352-9228-02-2501
456		1.0mm								2456-9314-91-2401
484		1.0mm								2484-9314-62501
676		1.0mm								2676-9120-02-1101
36		1.27mm						36BG12AL127		
380		1.27mm			BGA-380(841)-1.27-01					
817		1.27mm								2817-9237-00-2401
48							CBG048-020D			79300-10-015

QFN				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	3M
Pins	Size	Pitch	Notes							
48	6x6mm	0.4mm	Clamshell					48QN40TS16060		
10	1.6x1.3mm	0.4mm	Clamshell						01601310J6617	
40	5x5mm	0.4mm	Clamshell					40QN40S15050		

56	7x7mm	0.4mm	Clamshell						56QN40T17070		
10	2x2mm	0.5mm	Clamshell						08QN50T22020		
10	3x3mm	0.5mm	Clamshell						10QN50T13030		
10	3x3mm	0.5mm	Clamshell						10QN50AW13030		
14	4x4mm	0.5mm	Clamshell						14QN50T14040		
16	5x5mm	0.5mm	Clamshell							03714-331-6218D	
20	4x4mm	0.5mm	Clamshell						20QN50K14040		
24	5x4mm	0.5mm								03713-251-X218E	
28	6x6mm	0.5mm	Clamshell				QFN11T040-A103327				
28	5x5mm	0.5mm	Opentop				NP506-028-028				
32	5x5mm	0.5mm	Opentop			OQN32S-0.5-003					
32	5x5mm	0.5mm	Opentop						32LQ50S15050		
32	6x6mm	0.5mm	Clamshell				QFN11T040-A103327				
36	6x6mm	0.5mm	Opentop				NP506-036-034-C				
40	6x6mm	0.5mm	Clamshell						40QN50S16060		
40	6x6mm	0.5mm	Opentop	790-42040-101T							
48	7x7mm	0.5mm	Opentop						48LQ50S17070		
48	7x7mm	0.5mm	Opentop			QFN48(56)-BT-0.5-01			48QN50S17070		
64	9x9mm	0.5mm	Opentop	790-42064-101T							
72	10x10mm	0.5mm	Opentop						72QN50S1100100		
80	12x12mm	0.5mm				776P4080-111P					
88	12x12mm	0.5mm	Opentop	790-42088-101T							
20	5x5mm	0.65mm	Clamshell						20QN65K15050		
28	6x6mm	0.65mm	Clamshell						28QN65T16060		
44	9x9mm	0.65mm	Opentop						44LQ65F19090		
44	9x9mm	0.65mm	Clamshell						44QN65T19090		
44	7x7mm	0.65mm	Opentop						44LQ65S19090		
16	5x5mm	0.8mm	Clamshell						16QN80T15050		
16	6x6mm	0.8mm	Clamshell				QFN11T024-004.A104608				
9	4x5mm	1.0mm	Clamshell				IC553-0093-001				

Custom				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
12			Contactora							63069-007A-4	
8			Multiwatt						02997-091-X218C		
22	9.2mmx9.2mm		LGA					22LHCA01			

LGA				Wells-Cti	Enplas	Yamaichi	Sensata	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
188		1.27mm			LGA188(841)-1.27-XX						

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