

Abrel Products - Database of currently tooled Test Probes

(Last update July 2009)



Dual in-line				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
8	300mil	2.54mm		613-0080316							
14	300mil	2.54mm		613-0140316		IC37NPB-1403-G4					
16	300mil	2.54mm		613-0160316		IC37NPB-1603-G4					
18	300mil	2.54mm		613-0180316		IC37NPB-1803-G4					
20	300mil	2.54mm		613-0200316		IC37NPB-2003-G4					
22	300mil	2.54mm		613-0220316		IC37NPB-2203-G4					
24	300mil	2.54mm		613-0240316		IC37NPB-2403-G4					
24	600mil	2.54mm		613-7240316		IC37NPB-2406-G4					
28	300mil	2.54mm		613-0280316		IC37NPB-2803-G4					
28	600mil	2.54mm		613-7280316		IC37NPB-2806-G4					
40	600mil	2.54mm		613-7400316		IC37NPB-4006-G4					
48	600mil	2.54mm		603-5480316							

LCC				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
28			JLCC			IC51-0284-399					
20								P2020S			
20					LCC20-1.27-01						
20											202-4959
20											202-5573
24				635-0240312							
28				635-0280312				P2028S			
28					LCC28-1.27-01						
32					LCC32-1.27-03						
40								P2040S			
40										6040-040-40	
44								P2040S			
48											248-3659-1-1102
52				635052212							
56						IC51-0564-436					
64								P2064S			
80						IC53-0804-415					
84											284-5087

PLCC				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
28					PLCC28-1.27-30						

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	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
28		1.27mm	Carrier	628-0282315							
32		0.8mm	Opentop		OTQ32-0.8-02						
32		0.5mm		7007-032-01-07A							
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					
44			Opentop			IC218-0444-006P					
48		0.8mm	Opentop	7007-048-1-07							
48		0.5mm	Opentop		OTQ48-0.5-04						
48		0.5mm	Opentop		OTQ48-0.5-08						
48		0.5mm	Clamshell			IC51-0484-806					
52		0.4mm	Clamshell						8500-040-52		
52		0.635mm	Clamshell	646-4560345							
52		0.65mm	Opentop		OTQ52-0.65-03						
52		0.65mm	Opentop	7010-052-1-08							
52		0.65mm	Opentop	7310-052-1-08							
52		1.0mm	Clamshell		FPQ52-1.0-06						
64		0.5mm	Opentop		OTQ64-0.5-01						
64		0.5mm	Opentop		OTQ64-0.5-07						
64		0.8mm	Opentop	7014-064-1-08							
48		0.635mm	Carrier	646-4480345							
64		0.635mm	Clamshell		FPQ64(196)-0.635-02						
64			Clamshell			IC51-0644-839					
64			Clamshell			IC51-0644-1819					
64			Clamshell			IC51-0644-807-4					
64		0.65mm	Clamshell			IC51-0644-1972					
64		0.65mm	Clamshell			IC51-0804-956-2					
64		1.0mm	Clamshell			IC51-0644-820-4					
68		1.27mm	Carrier	619-068-0811							

72	0.25mm	Clamshell								9500-025-72
80	0.5mm	Opentop		OTQ80-0.5-02						
80	0.5mm	Opentop		OTQ80-0.5-09						
80		Clamshell				IC51-0804-840				
80		Clamshell				IC51-0804-1818				
80	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	0.8mm	Clamshell				IC51-819-KS12720				
84	1.27mm	Carrier	619-0841611							
84			619-100161-001							
208	0.5mm	Opentop				IC201-2084-096				
100		Clamshell				IC51-1004-852				
100	0.5mm	Opentop	7014-100-1-08							
100	0.5mm	Clamshell				IC51-1004-809				
100	0.5mm	Opentop		OTQ100-0.5-01						
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						
120	0.80mm	Opentop		OTQ120-0.8-01						
120	0.80mm	Clamshell		FPQ120-0.8-02						
128	0.40mm	Clamshell		FPQ128-0.4-XX						
128	0.50mm	Clamshell		FPQ128-0.5-03A						
132	0.635mm	Clamshell		FPQ132-0.635-01						
144	0.65mm	Clamshell				IC51-1444-1014				
144	0.50mm	Clamshell				IC51-1444-026				
144	0.50mm	Opentop				IC201-1444-034				
160	0.65mm	Clamshell				IC51-1604-845-4				
160	0.65mm	Carrier	620-160-0811-004							
172	0.635mm	Opentop		OTQ172(196)-0.635-04						
176	0.5mm	Opentop	OTQ176-0.5-04							
180	0.3mm								8500-030-180	
196	0.635mm	Clamshell		FPQ196-0.635-01						
256	0.50mm	Clamshell		FPQ256(352)-0.5-01						

SOP				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
8		0.65mm	Opentop	656-1082211							
8	4.4mm	1.27mm	Opentop	652B0082211							
8	150mil	1.27mm	Opentop		OTS8(16)-1.27-03						
10		0.51mm	Opentop	656-0102211							
14	150mil	1.27mm	Opentop		OTS14(16)-1.27-03						
16	150mil	1.27mm	Opentop		OTS16-1.27-03						

16	150mil		Opentop	652B0162211-002	
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		0.65mm	Clamshell		FP28(30)-0.65-01A
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	
36			Opentop		OTS36-0.65-02

SSOP				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
							OTS14(24)-0.65-01				
14		0.65mm	Opentop				OTS14(24)-0.65-01				
16		0.65mm	Opentop				OTS16(24)-0.65-01				
18		0.65mm	Opentop				OTS18(24)-0.65-01				
20		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		0.8mm	Opentop				OTS36(44)-0.8-20				

DISCRETES				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
6			SOT23	499-044-10							
3			SOT23	499-036-00							
15			TO263						4230-151		
28			SOIC28 Wide						4337-281B		
20			Heat Slug						4337-201		
3			TO263						4246-041		
4			PSMP						4245-041		
4			SOT23						4243-041		
5			SOT595						4234-101		
5			TO252						4244-041		
11			SIP						03551-11		
3			SOT23						03333-061		
7			TO263						4255-071-6217		
6			TO220						4235-071-6215		

6 SC70 03256-181											
TSSOP											
				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
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						
30		0.5mm	Opentop		OTS30(44)-0.5-01						
32		0.65mm	Opentop		OTS32(44)-0.65-02						
TSOP											
				Wells-Cti	Enplas	Yamaichi	Texas	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	Texas	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	Texas	Plastronics	Loranger	Azimuth	3M
Pins	Size	Pitch	Notes								
36		1.27mm						36BG12AL127			
48							CBG048-020D				

64	0.8mm		NP351-09663-A10115					
74	1.0mm	8112-074-1A-00						
81	1.0mm					081BG10B226		
84	0.8mm		OTB84(144)-0.8-XX					
100	0.5mm					CBG100(88)-081AE-C		
100	0.8mm						2100-9016-XX-2501	
100	1.0mm		OTB100(256)-1.0-43					
108	1.0mm						2108 9302 01 2401	
121	0.65mm		NP378-1134.A101154-001					
121	1.0mm					120SQU121B6617		2121-9300-XX-3401
144	0.65mm		NP378-14164-A102208001					
144	0.8mm					144SB8AA2131		
144	1.0mm		OTB144(256)-1.0-00					
172	1.0mm						2172-9306-0A-2401	
196	0.8mm		NP351-18464-4-AC23530			CBG196-056C		
220	1.0mm						220-9110-XX-1101	
352	1.0mm						2352-9228-02-2501	
380	1.27mm		BGA-380(841)-1.27-01					
456	1.0mm						2456-9314-91-2401	
484	1.0mm						2484-9314-62501	
676	1.0mm						2676-9120-02-1101	
817	1.27mm						2817-9237-00-2401	

QFN				Wells-Cti	Enplas	Yamaichi	Texas	Plastronics	Loranger	3M
Pins	Size	Pitch	Notes							
10	2x2mm	0.5mm	Clamshell					08QN50T22020		
10	3x3mm	0.5mm	Clamshell					10QN50T13030		
10	3x3mm	0.5mm	Clamshell					10QN50AW13030		
10	1.6x1.3mm	0.4mm	Clamshell						01601310J6617	
14	4x4mm	0.5mm	Clamshell					14QN50T14040		
16	5x5mm	0.8mm	Clamshell					16QN80T15050		
16	6x6mm	0.8mm	Clamshell			QFN11T024-004.A104608				
20	4x4mm	0.5mm	Clamshell					20QN50K14040		
20	5x5mm	0.65mm	Clamshell					20QN65K15050		
24	5x4mm	0.5mm							03713-251-X218E	
28	6x6mm	0.65mm						28QN65T16060		
32	5x5mm	5.5mm	Opentop			OQN32S-0.5-003				
32	5x5mm	0.5mm	Opentop					32LQ50S15050		
32	6x6mm	0.5mm	Clamshell			QFN11T040-A103327				
40	5x5mm	0.4mm	Clamshell					40QN40S15050		
40	6x6mm	0.5mm	Clamshell					40QN50S16060		
40	6x6mm	0.5mm	Opentop			790-42040-101T				
44	9x9mm	0.65mm	Opentop					44LQ65F19090		
44	9x9mm	0.65mm	Clamshell					44QN65T19090		
44	7x7mm	0.65mm	Opentop					44LQ65S19090		
48	7x7mm	0.5mm	Opentop					48LQ50K17070		

48	7x7mm	0.5mm	Opentop							48QN50T17070
72	10x10mm	0.5mm	Opentop							72QN50S1100100
80	12x12mm	0.5mm		776P4080-111P						

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

