

PCB Test Probes

Spring Loaded Contact Probes and Receptacles


IDI



108-332 Contact probe – spear point



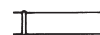
108-333 Contact probe – serrated



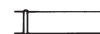
108-334 Contact probe – tapered crown



108-335 Contact probe – tulip

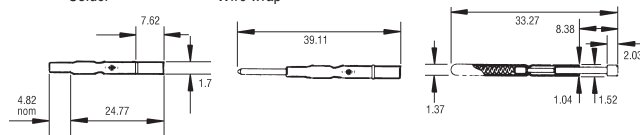


108-336 Solder receptacle



108-337 Wire wrap receptacle

Board mounting receptacles
Solder Wire wrap



A range of professional spring loaded contact probes giving a full travel of 0.25" (6.35mm) designed to mate with either solder or wire-wrap receptacles. The probes are available with either a point, serrated or self cleaning tapered crown and tulip head styles and will suit most major manufacturers high speed vacuum ATE equipment.

Probes	Receptacles
Maximum current	3A dc
Full travel	6.35mm
Spring pressure:	
Pre-load	45g
1/2 travel	113g
Plunger	Gold plated beryllium copper
Barrel	Gold plated nickel silver
Spring	Stainless steel
Recom. min. spacing	2.54mm

Mftrs. List No. S-25-B-4-G = 108-332, S-25-H-4-G = 108-333, S-25-X-4-G = 108-334
S-25-Y-4-G = 108-335, R-25-SC = 108-336, R-25-WW = 108-337

CS223

Order Code	1+	50+	100+	250+	500+
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Spring Loaded Contact Probes

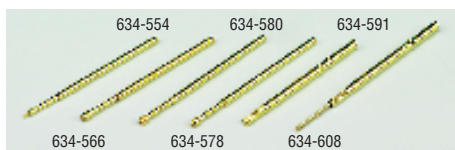
Pointed **108-332**
Serrated **108-333**
Tapered crown **108-334**
Tulip **108-335**

Receptacles for Contact Probes

Solder cup type **108-336**
Wire wrap type **108-337**

Spring Loaded Contact Probes and Receptacles

HARWIN



Probes	Receptacles
Maximum current	3A
Full travel	6.3mm
Spring pressure	Full 150g

- A range of professional spring loaded contact probes, 6.3mm full travel
- Mates with solder or wire-wrap receptacles
- Available with either point, serrated, tapered crown and tulip head
- Ideal for ATE

Mftrs. List No: P25-0126 = 634-554, P25-4026 = 634-566, P25-3226 = 634-578,
P25-1626 = 634-580, S25-056 = 634-591, S25-346 = 634-608

Order Code	1+	50+	100+	250+	500+
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Price Each

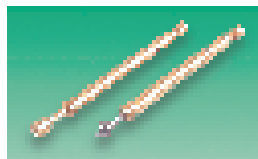
Spring Loaded Contact Probes

Pointed **634-554**
Serrated **634-566**
Tapered Crown **634-578**
Tulip **634-580**

Receptacles for Contact Probes

Solder cup type **634-591**
Wire wrap type **634-608**

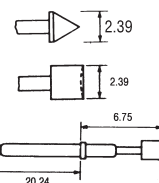
Spring Loaded Contact



143-742 143-743

Mounting hole dia = 1.98 (press-fit), 2.16 (epoxy)

HARWIN



A range of spring loaded contact probes for multipoint testing of PC boards during production. They are designed for either press or epoxy fitting to the test bed. The 143-742 has a gold plated brass concave probe for locating PCB pins and soldered joints, whereas the 143-743 has a stainless steel pointed probe for contact with PCB tracks. Connection is via solder posts.

Spring travel	3.0mm	Contact resistance	9mΩ max
Probe pressure	56 to 114g	Mechanical life	10 ⁷ operations
Maximum current	5A		

Mftrs. List No. P1113SS2 = 143-743, P1113CA2 = 143-742

CS222

Order Code	1+	50+	100+	250+	500+
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Price Each

Point contact probe **.143-743**
Concave contact probe **.143-742**

PCB Test Terminals

Raised Loops



PCB mounted test points ideal for clipping on probes or crocodile clips. Discrete wires, Set-On-Test components or components that require frequent replacement can easily be mounted through the eyelet. The coloured glass bead insulator is suitable for raising hot components off the PCB.

The phosphor bronze tinned spring prevents damage to through plated holes and ensures the terminal remains in place during soldering. Available in two different loop sizes and two different pin lengths.

(A) Loop Dia.	(B) Board Thickness	(C) Pin Length	(D) PCB Hole Dia.	(E) Bead Dia.	(F) Bead Height	(G) Colour	Mftrs. List No.	Order Code
1.3 – 1.5	1.59	2.78	1.0	2.2 – 2.5	3.1 – 3.3	Black	200-203	240-333
1.3 – 1.5	1.59	2.78	1.0	2.2 – 2.5	3.1 – 3.3	Red	200-207	240-345
1.3 – 1.5	1.59	2.78	1.0	2.2 – 2.5	3.1 – 3.3	Green	200-208	240-357
2.03 – 2.16	1.59	2.78	1.32	2.87 – 3.12	2.9 – 3.1	Black	100-103	240-369
2.03 – 2.16	1.59	2.78	1.32	2.87 – 3.12	2.9 – 3.1	Red	100-107	240-370
2.03 – 2.16	1.59	2.78	1.32	2.87 – 3.12	2.9 – 3.1	Green	100-108	240-382
2.03 – 2.16	2.38	3.57	1.32	2.87 – 3.12	2.9 – 3.1	Black	300-303	240-394

CS221

100 Per Pack

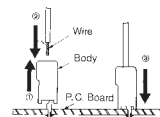
Order Code

240-333
240-345
240-357
240-369
240-370
240-382
240-394

Price Per Pack

1+ 5+ 10+ 50+ 100+

'Wirepost' 3A



H = 11 (above PCB), W = 4,
D = 5.2
PCB hole dia. = 1.5
Wire size Solid, 24-22 AWG, 0.21-0.32mm²,
0.5-0.65 dia.
Wire size Stranded, 26-22 AWG, 0.12-0.32mm²,
Strip length = 7.5, Insulation dia. = 1.2-2.4



The wirepost enables quick and simple connection of discrete wires to a PCB, in a compact space. The pre-stripped wire is inserted into the zero insertion force contact from above. The wire is then locked in position by pressing the housing down giving a gas tight high pressure contact.