

Tip Styles

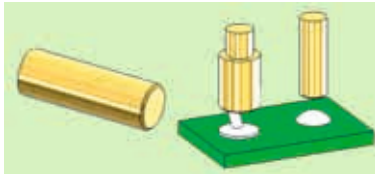
01	02	03	04	05	06	07
Conical Shaft 90°	Conical Head 90°	Conical Shaft 60°	Conical Head 60°	Concave	Serrated Head	Hexagonal Head 90°
08	09	10	11	12	14	15
Hexagonal Head 60°	Inverted Hexagonal Crown 120°	Flexible Needle	Spherical Shaft	Spherical Head	4-Point Crown Head (self cleaning)	Triangular Head 45°
16	17	18	19	20	21	27
Flat Shaft	Flat Head	Conical Shaft 30°	Hexagonal Shaft 90°	4-Point Crown Head (tapered)	4-Point Crown Shaft (self cleaning)	Conical Head 120°
28	29	30	31	32	33	34
4-Point Crown Head	4-Point Crown Shaft	Triangular Shaft 45°	6-Point Crown 120°	Rigid Needle 10°	Lance Shaft 38°	Rigid Needle Head 15°
35	36	37	38	39	40	41
3-Point-Crown (tapered)	Tulip Head	4-Point Crown (tapered)	Lance Shaft 140°	Conical Shaft 30° (flat)	6-Point Crown Shaft	6-Point Crown Head (self cleaning)
42	43	45	46	50	55	60
5-Point Crown Head	Lance Shaft 90°	Conical Head 120° (with eccentric cut)	W-Profile	Concave Head (with drill hole)	Concave (self cleaning)	3-Point Crown (reduced)
61	62	63	64	65	80	81
Head for Multipoint Connectors (female)	Triangular Shaft 30°	8-Point Crown Head (self cleaning)	Serrated Head (reduced)	Reduced Rigid Needle	Reduced Spade	Reduced Spad (tapered)
82	83	84	85	86	89	90
Spade Shaft	Spade Head	Spade Head (tapered)	Square Spade	Asymmetric Spade	Special Spade Variant	Ball Head

Special Versions

(17)H	(17)T	C	SP	PT	IK	IP
H = Synthetic Head with Ring	T = Insulated BeCu Head	C = High Current (Groove Mark)	SP = Step Probe	PT = Position Test	IK = Insulating Cap	IP = Insulated Pin



Typical Tip Styles and Applications



Flat
Suitable for solder pads and contact pins.



Spherical
For testing clean contact surfaces, does not leave marks or scratches.



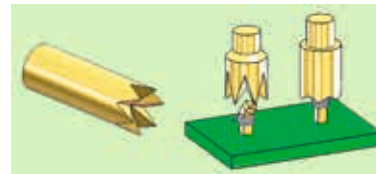
Conical
Universal tip style with different angles of 10°, 15°, 30°, 60°, 90° or 120° for contacting solder pads and holes.



Multipoint connectors
This probe tip was designed for contacting multipoint connectors.



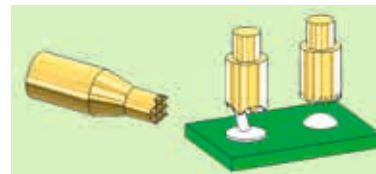
4-Point Crown
For pad surfaces and soldered pins. The sharp edges penetrate flux residues and oxide layers.



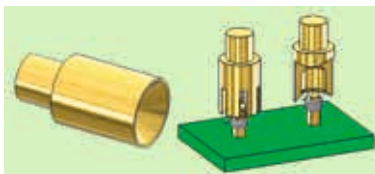
Crown
For wire wrap posts, even if the contacts are bent or twisted.



Star
For testing plated through holes and pads. The sharp edges penetrate contamination and oxide layers.



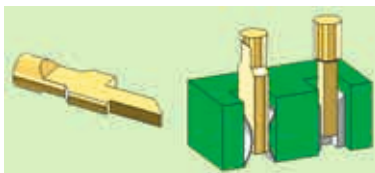
Serrated
Universal tip style for wires, contact pins and wire wrap posts, even for bent component leads.



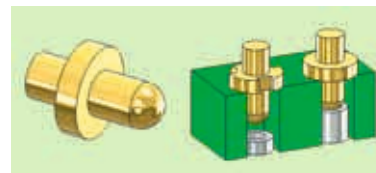
Concave
For a smooth contact of pins and wire wrap posts. The risk of contamination can be minimized by using a self cleaning version of this tip style.



Tulip
Used for severe contacting of plated or filled through holes.



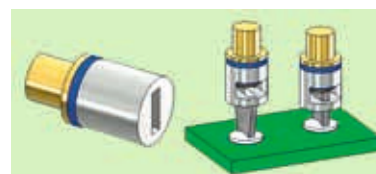
Spade
For twist proof contacting of connector elements.



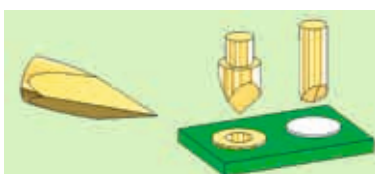
Step Probes
For position and presence tests of connectors.



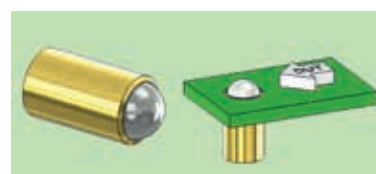
Insulating Cap
For detecting the correct length and straightness of pins.



Insulating Cap, slotted
For detecting the correct length and straightness of flat pins.



Multi-sided
For via holes and solder pads. The sharp edges penetrate flux residues and oxide layers.



Rolling ball
For side contacts with lateral movements of the test item. The contact element is a rolling ball.