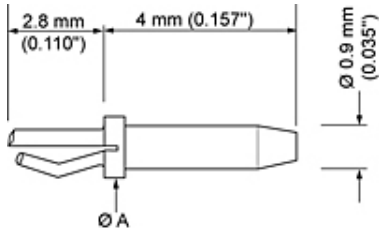


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Item # 028/30P/KP2, Kinky Pin Plated Through Hole (PTH) Connectors

List Price QUOTE



Kinky Pin Plated Through Hole (PTH) Connectors

Features

- Unique kinked retention mechanism retains pin in PCB plated through hole (PTH) prior to soldering.
- Low insertion force avoids damage to plating of PTH during assembly.
- Slotted design enhances solderability and reliability.
- Family optimised for a wide range of PTH diameters 0.508 mm (0.020") - 1.524 mm (0.060").
- Capable of hand and semi-automatic machine insertion.
- Available in a wide range of styles and finishes for alternative applications.
- Vibratory bowl fed semi-automatic insertion machines available, details on request.

Application

- Self retaining compliant pin for plated through holes in multilayer printed circuit boards.

[SPECIFICATIONS](#) · [DESCRIPTION& NBSP;](#)

SPECIFICATIONS

Mounting Style	Compliant Pin
Mounting Hole Diameter	0.68 to 0.84 mm 0.027 to 0.033 in
Pin Length	2.8 mm 0.110 in
Type	Kinky Pin Test Points
Min. Pitch Using Assembly Tool	2.5 mm 0.098 in
Shoulder Diameter A	1.6 mm 0.063 in
Minimum Board Thickness	1.40 mm 0.055 in
Pin Material	Copper alloy
Contact Socket Material	Brass
Insulation Socket Material	High dispersion grade PTFE

Pin Finish	Gold (standard on Snaplox Kinky Pins) Tin Lead (standard)
Socket Finish	Silver (standard) Gold
Contact Resistance (with Socket)	less than 5 mΩ
Current for 10 °C Rise Above Ambient	7 A
Climatic Category	-55 to +125 °C
Solderability	Exceeds Requirements of BS 2011 (IEC 68) Test T

DESCRIPTION&NBSP;

Kinky Pins were designed specifically to meet the demands of plated through hole (PTH) technology introduced in printed circuit boards. They tend to be used with flexi-circuit termination and as solder terminals, connectors and in multiway pin arrays.

They use a unique kinked retention mechanism which gives a fit in the PTH that is unsurpassed. The kinked leg provides a tight non-aggressive spring loaded fit whilst the straight leg ensures the pin is kept perpendicular to the PCB prior to soldering.

This Kinky Pin mechanism gives an additional benefit which is a key part of its operation. The slotted design induces wicking of the solder up into the kink and up to the flange which means that the solder joint is solid and free of air pockets. This reduces the possibility of dry joints developing and the life of the solder joint is therefore increased. In our opinion and that of our customers, there is no better PTH solder-in terminal!

The Kinky Pin range is comprehensive and our in-house high precision machining capabilities mean that we have the ability to manufacture bespoke versions on request. Standard finishes are tin lead and gold; other finishes are available on request.