

ZIERICK

ENGINEERED INTERCONNECTION SOLUTIONS

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Zierick offers solutions for interconnect applications.

- Wire-to-Board
- Board-to-Board
- Surface Mount
- Thru-Hole
- Assembly Equipment

Our US-based experts can also offer custom stamping solution to fit your needs.

In addition, all phases of production are done in our ISO Certified New York facility.



SURFACE MOUNT INSULATION PIERCING CRIMP TERMINAL FOR COAXIAL CABLE PART NUMBER IPC-2-1-T

Zierick Manufacturing Corporation has developed an extension to our line of Surface Mount Insulation Piercing Crimp Connectors. This patented new product offering allows for termination of RG174/U or RG316/U coaxial cable. The connector uses a series of blades oriented to pierce the center conductor and outside jacket dielectric materials to create an electrical connection to both the signal wire and braid (ground) in a single operation. The cable is terminated in a single step without the need for any additional soldering operations.

This connector is provided as a single component in tape & reel packaging. Insertion requires that the coax cable needs the outer jacket and braid stripped (approximately 0.250"

(6.35mm)). The cable is then inserted into the connector and the housing can be pressed down via a hand tool or small press. This termination method eliminates the soldering and use of additional crimp tools required with traditional coaxial connectors.

The terminal is a perfect fit for applications with a usable range of up to 3.25 GHz while providing a VSWR of less than 1.5:1 (at 2 GHz) and 1.6:1 (at 3 GHz).



SPECIFICATIONS

Taped Part Number	IPC-2-1-T
Wire Sizes	Designed for RG174/U or RG 316/U Coaxial Cable
Insulator Material	PPS
Contact Material	C26000 Brass
Standard Finish	Matte Tin over Copper
Current Rating	2 Amperes per blade
US Patent Number	9,142,924
VSWR	1.5:1 (at 2 GHz) and 1.6:1 (at 3 GHz)
Loss dB	Under 0.50 (at 2 GHz)

SURFACE MOUNT INSULATION PIERCING CRIMP TERMINAL FOR COAXIAL CABLE

PART NUMBER IPC-2-1-T

FEATURES & BENEFITS

- Most economical way to terminate RG174/U or RG316/U cable to board
- Usage range up to 3.25 GHz
- VSWR of 1.5:1 (at 2 GHz) and 1.6:1 (at 3 GHz)
- Under 0.50 dB loss (at 2 GHz)
- No soldering of cable needed for termination.
- One piece construction.
- Terminal lends itself to high speed automated placement.
- Available in taped format – no need for additional assembly equipment.
- Limited wire preparation required.
- Hand Tool or Press for cable termination.

APPLICATION DRAWING

Patent Pending

