

The ICS40 integraMate[®] contact is intended for use in high performance connectors and micro connectors using .050" and 1.0mm grids for mil/aero, medical and industrial applications. The smallest size in the ICS family, the ICS40 features the same flexibility to customize terminations and mounting features as found in our larger ICS sizes.

The core technology of integratMate[®] is a novel hyperboloid wire cage contact design that offers a low mating force, high cycle life and superior resistance to shock and vibration. integraMate[®] contacts are inherently smaller in diameter than traditional hyperboloid contacts, providing better electrical ratings and higher density for your connector design.

Advantages

- Smaller contact diameter than typical hyperboloid contacts for closer spacing and higher contact density
- Intermates with many industry standard round pins.
- Strong tubular entrance for maximum protection of the hyperboloid wire cage.
- 100% automatic vision inspection of each contact guarantees consistent high quality

Features & Benefits

- Lower insertion and extraction forces
- Low electrical resistance
- Long cycle life
- Immunity to shock and vibration

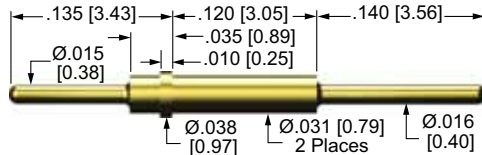


PCB, solder cup and crimp terminations are readily available using our "Flexible Design Envelope."

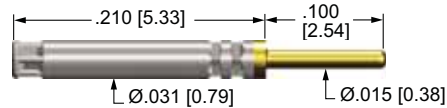
PINS

SOCKETS

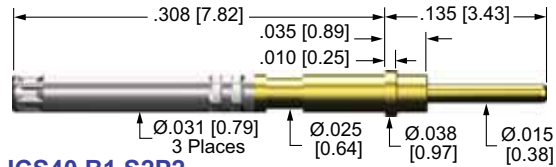
PCB Terminations



ICS40 B1 P2P2

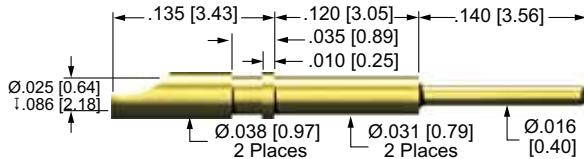


ICS40 B2 S2P1

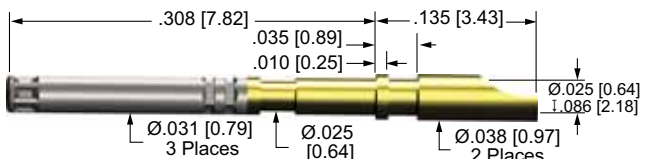


ICS40 B1 S2P2

Solder Cup Terminations

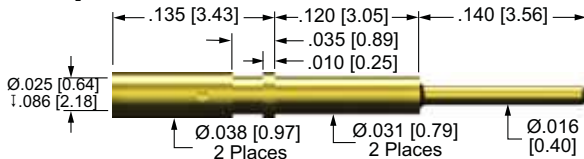


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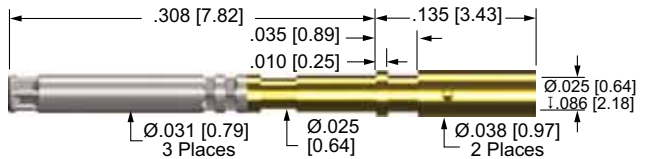


ICS40 B1 S2S3

Crimp Terminations

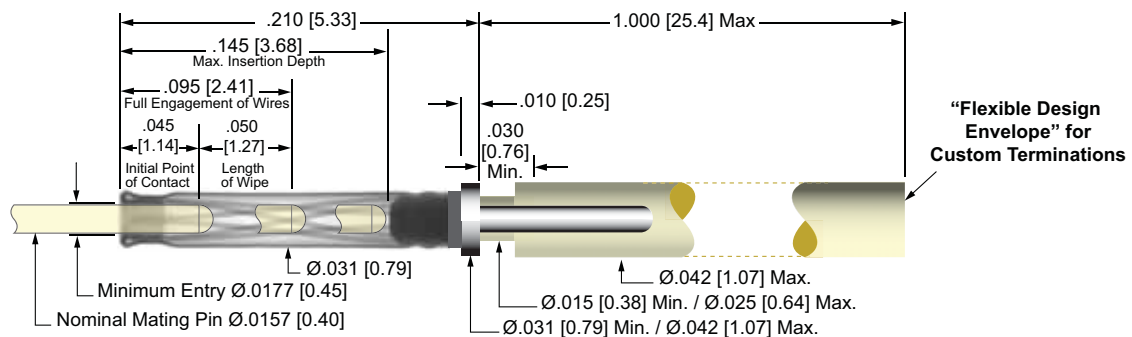


ICS40 B1 P2C3



ICS40 B1 S2C3

Flexible Design Envelope for Custom Terminations



“Flexible Design Envelope” for Custom Terminations

Mechanical

Insertion and Extraction Force:	1 oz [28gms] nominal
Durability (Cycle Life):	Up to 100,000 cycles
Operating Temperature :	-65°C to 125°C
Wire Size	Crimp & Solder Cup from 26-30 AWG

Electrical

Resistance (LLCR):	< 8 milliohms
Current Rating:	1 Amp nominal
Materials	
Contact Wires	Beryllium Copper, 50 μ-inch of gold plating over nickel
Sleeve:	Stainless Steel
All Terminations:	Brass, 10 μ-inch of gold plating over nickel