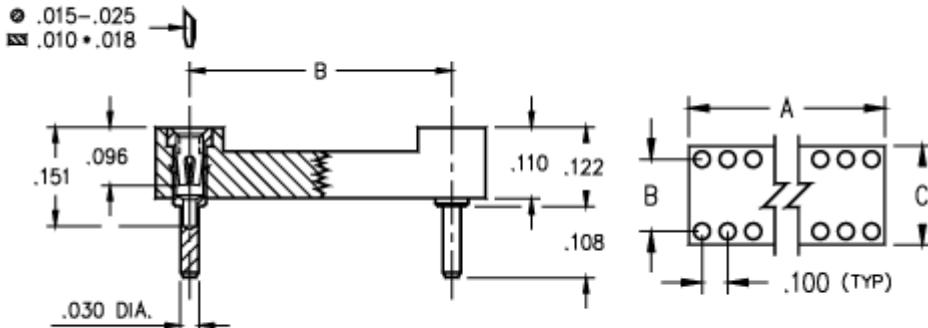


Product Number: 115-93-640-41-001000

**Description:**

DIP Socket
Low Profile
Very Low Profile (0.108 Tail)
Open Frame
Through Hole
Accepts .015-.025" Leads

Plating Code:

93

Shell Plating:

200 μ " Tin/Lead(93/7) over 100 μ " Nickel

Inner Contact Plating:30 μ " Gold over 50 μ " Nickel**Packaging:**

Packaged in Tubes

# Of Pins	A	B	C	Qty. per Tube	Mill-Max Part Number	RoHS Compliant
40	2.0	0.6	0.7	10	115-93-640-41-001000	NO

CONTACT:

Contact Used: #30, Standard 4 Finger Contact

Current Rating = 3 Amps**BERYLLIUM COPPER ALLOY 172 (UNS C17200) per ASTM B 194****Properties of BERYLLIUM COPPER:**

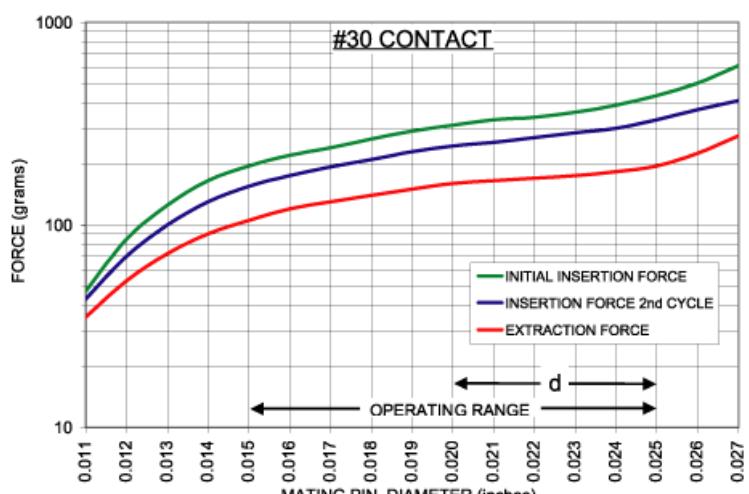
- Chemical composition: Cu 98.1%, Be 1.9%
- Temper as stamped: TD01

Properties after heat treatment (TH01):

- Hardness: 36-43 Rockwell C
- Mechanical Life: 100 Cycles Min.
- Density: .298 lbs/in³
- Electrical Conductivity: 22% IACS*
- Resistance: 10 miliohms Max
- Operating Temperature: -55°C/+125°C
- Melting point: 980°C/865°C (liquidus/solidus)
- Stress Relaxation†: 96% of stress remains after 1,000 hours @ 100 °C ; 70% of stress remains after 1,000 hours @ 200 °C

*International Annealed Copper Standard, i.e. as a % of pure copper.

†Since BeCu loses its spring properties over time at high temperatures; it is rated for continuous use up to 150°C. For applications up to 300°C, Mill-Max offers many contacts in Beryllium Nickel. Contact Tech Support for more info.



LOOSE PIN:

Loose Pin Used: 0501

BRASS ALLOY (UNS C36000) per ASTM B 16**Properties of BRASS ALLOY:**

- Chemical composition: Cu 61.5%, Zn 35.4%, Pb 3.1%†
- Hardness as machined: 80-90 Rockwell B
- Density: .307 lbs/in³
- Electrical conductivity: 26% IACS*
- Melting point: 900°C/885°C (liquidus/solidus)

†(3 to 4% lead is used to permit "free machining" and is permitted by EC Directive 2002/95Annex 6; so all pin materials are RoHS compliant)

*International Annealed Copper Standard, i.e. as a % of pure copper.

INSULATOR INFORMATION:**PBT*** Polyester, (Valox 420-SEO, black), Self-extinguishing, rated UL94V-0

Standard Temperature

Properties of PBT Polyester:

- Brand: Valox
- Grade: 420-SEO
- Color: Black
- Rated voltage: 100 VRMS/150 VDC
- Insulation resistance: 10,000 Megaohms min.
- Dielectric strength: 1000 VRMS min. (700 VRMS min. for series 117 Shrink DIP)
- Material Heat Deflection Temp (per ASTM D 648): 420°F(216°C) @ 66 psi
- Resistant to detergents, mineral acids, solvents, greases and oils (short time)