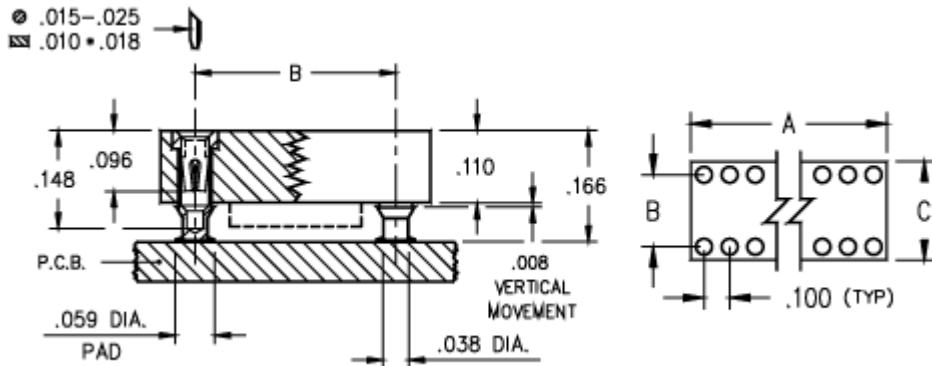




Product Number: 214-44-624-01-670800



Description:

DIP Socket
Surface Mount
Stub Tail
Closed Frame
Surface Mount
Accepts .015-.025" Leads

Plating Code:

44

Shell Plating:

200 μ " Tin (matte finish) over 100 μ " Nickel

Inner Contact Plating:

100 μ " Tin (matte finish) over 50 μ " Nickel

Packaging:

Packaged in Tubes

# Of Pins	A	B	C	Qty. per Tube	Mill-Max Part Number	RoHS Compliant
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24	1.2	0.600	0.700	16	214-44-624-01-670800	
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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:

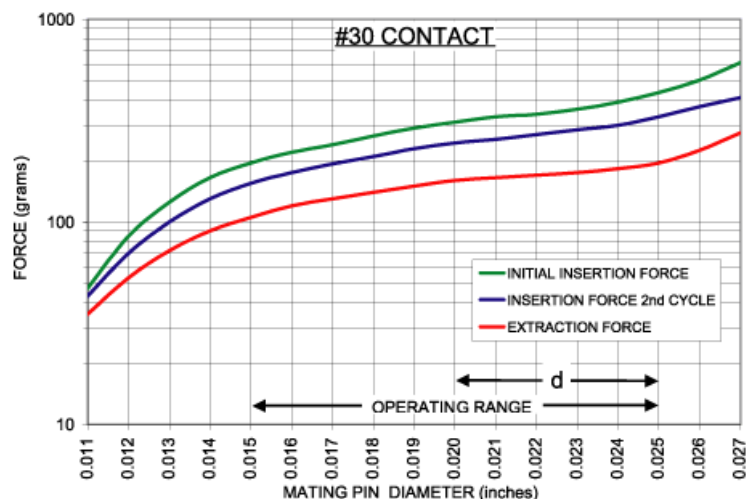
- Chemical composition: Cu 98.1%, Be 1.9%
- Temper as stamped: TD01

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: 1434

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:

NYLON 46 (Stanyl TE250F6 {30% glass} or TE250F9 {45% glass}, black)

High Temperature

Properties of NYLON 46:

- Brand: Stanyl
- Grade: TE250-F6 or F9
- Material Heat Deflection Temp. (per ASTM D 648): 554°F (290°C) @ 264 psi

Note: Materials above 446°F (230°C) are considered suitable for "eutectic" reflow soldering, above 500°F (260°C) for "lead-free" reflow soldering.