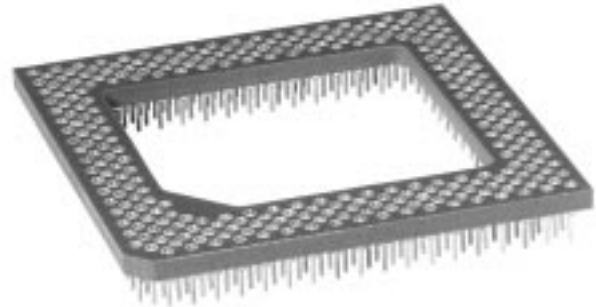


PIM & PIS Series *IPGA Sockets*



PIM320-7D37B5-V



PIS296-7A37A3-V

D

FEATURES:

- The socket includes the Augat SUPERLIF™ low insertion force 37 grams (1.3 oz.) contact
- Non-wicking closed bottom, precision sleeve protects 100% against flux and solder contamination
- Many footprint options available
- Custom design capabilities
- Available in molded plastic (PIM) and glass epoxy (PIS) insulators
- Integrally molded (PIM) heatsink mounting tabs available on some products
- High temperature insulators allow the sockets to be soldered with vaporphase and infrared reflow soldering process

MATERIAL SPECIFICATIONS:

Insulator	Thermoplastic polyester or glass epoxy, UL rated 94V-0
Sleeve	Machined brass/formed copper
Contact	Beryllium copper
Sleeve Plating	See Table 1
Contact Plating	See Table 1

PERFORMANCE SPECIFICATIONS:

MECHANICAL

Vibration	Passed MIL-STD-1344, Method 2005, Condition V, D, 11.6 G's (RMS)
Shock	Passed MIL-STD-1344, Method 2004, Condition C, 100 G's
Durability	Passed MIL-STD-1344, Method 2016, 50 cycles
Solderability	Passed MIL-STD-202F, Method 208
Insertion Force	37 Grams (1.3 oz.) average with a .018" (0,46) dia. polished steel pin
Withdrawal Force	15 Grams (.52 oz.) average with a .018" (0,46) dia. polished steel pin

ELECTRICAL

Contact Resistance	10 Milliohms
Contact Rating	3 Amps
Capacitance	1.0 pF per MIL-STD-202, Method 305 (contact to contact)
Insulation Resistance	5,000 Megohms min. @ 500 VDC per MIL-STD-1344, Method 3003.1
Dielectric Withstanding Voltage	1,000 Volts RMS per MIL-STD-1344, Method 3001.1

ENVIRONMENTAL

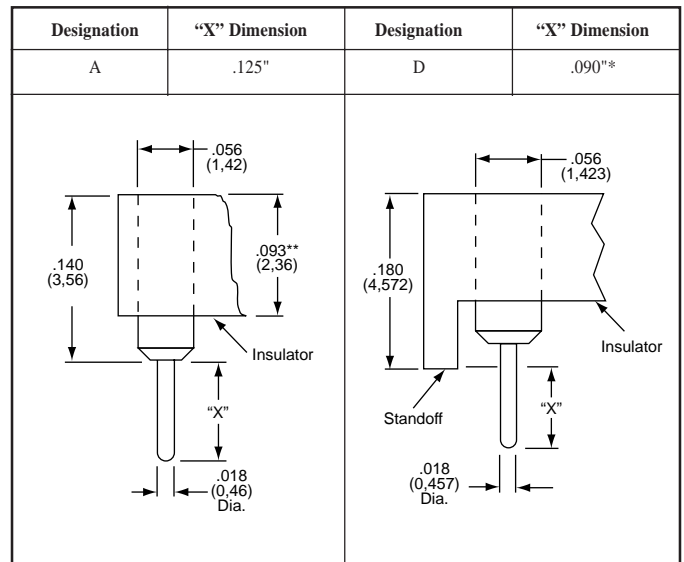
Humidity	Passed MIL-STD-1344, Method 1002, Type II
Operation Temperature ..	Gold inner contact -55°C to +125°C Tin/lead inner contact -55°C to +105°C
Thermal Shock	Passed MIL-STD-1344, Method 1003.1, Cond. A

IPGA Sockets PIM & PIS Series

TABLE 1 - PLATING FINISHES

Plating Designation	Sleeve* Type	Contact Plating	Sleeve Plating
1	PC Tails	Gold	Tin/Lead
2		Gold	Gold
7		Low Gold	Tin/Lead

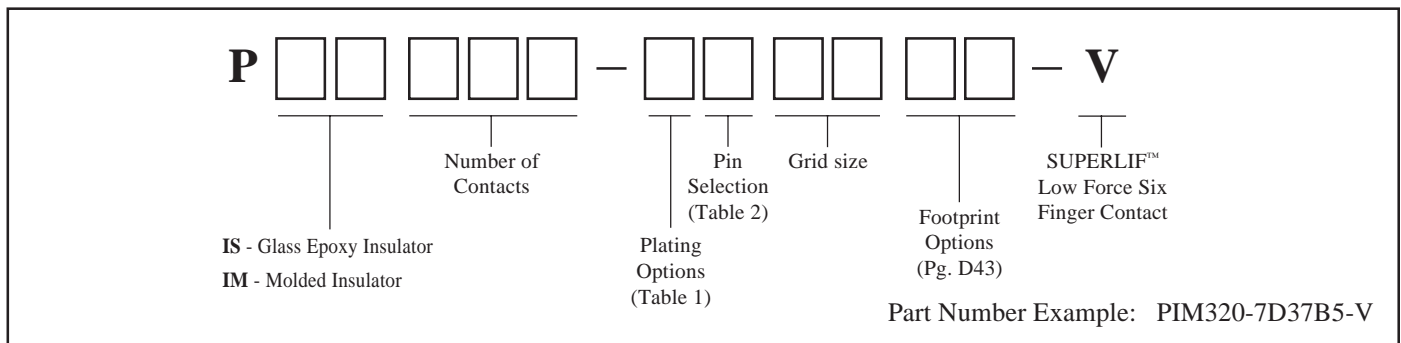
TABLE 2 - SLEEVE TYPES



* Tail length below insulator with standoff PIM series only.

** PIM .085 (2,16)

HOW TO ORDER



Need more technical information?

Consult your Thomas & Betts sales office listed on the back cover