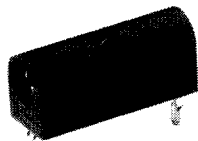


Printed Circuit Test Jacks

8041 Series



8041-1G4-1

FEATURES:

The 8041 Series printed wiring board mounted test jacks require very little mounting space. Used in many applications as signal test points, they are also used as electromechanical interfaces from daughter cards to mother boards. Test jack M8041-15G is qualified to MIL-C-39024/11. This series test jack accepts .080 (2.03) inch dia. test probes in either side or top side entry models.

- Low profile for close board-to-board stacking
- Test jack cannot be damaged by using oversized probe
- Probe side entry or top and side entry, both qualified to MIL-C-39024/11
- Dimple on printed circuit terminals, retains test jack in P.W.B. during flow soldering
- Ten brilliant insulation colors available for quick test point reference
- Top entry allows test jack to be probed while being used as an interconnection socket

MATERIAL SPECIFICATIONS:

Insulator.....Nylon
Contacts.....Beryllium copper
Platings.....Gold

Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.

PERFORMANCE SPECIFICATIONS:

MECHANICAL

Vibration15 G's, 0 - 55 Hz monitored for 10 micro seconds opening per MIL-STD-202, Method 201
Mechanical Shock50 G's, monitored for 10 micro seconds opening per MIL-STD-202, Method 202
Durability500 Insertions
Insertion Force0.080 (2.03) dia. pin., 5.0 lb. max.
Withdrawal Force0.080 (2.03) dia. pin., 227 grams (8 oz.) min.
Permeability2.0 Mu max. MIL-I-17214
SolderabilityPassed MIL-STD-202, Method 208

ELECTRICAL

Bulk Contact
Resistance4 Milliohms @ 5 Amps, military;
5 Milliohms @ 5 Amps, commercial
Current Rating5 Amps DC
Operating Voltage1,500 Volts RMS @ sea level,
350 Volts RMS @ 50,000 feet
Dielectric Withstanding
Voltage2,500 Volts RMS @ sea level, 500 Volts RMS
@ 50,000 feet per MIL-STD-202, Method 301
Insulation Resistance.....5,000 x 10⁶ Ohms, MIL-C-39024 Section 4.6.5
Capacitance1 pF @ 5 MHZ

ENVIRONMENTAL

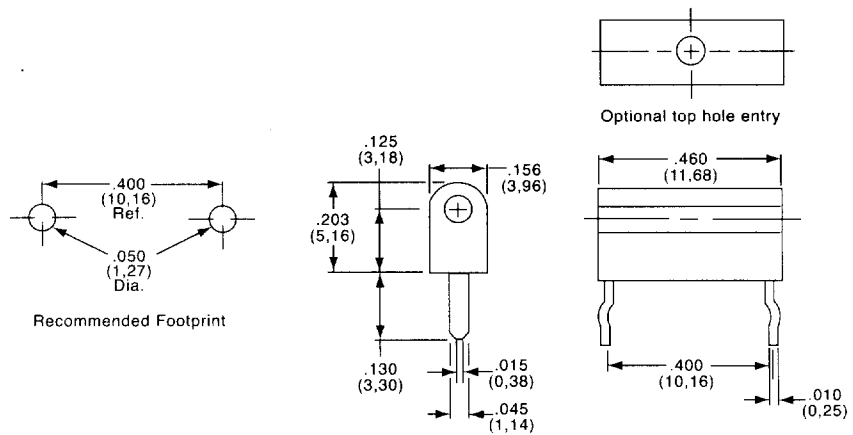
Operating Temperature-65°C to +125°C
Salt spray4 Milliohms @ 5 Amps per MIL-STD-202,
Method 101
Humidity1,000 x 10⁶ Ohms per MIL-STD-202, Method 101
Thermal Shock-65°C to +125°C per MIL-STD-202, Method 107

NOTE: Military Test Reference applies specifically to MIL-Qualified Components.

5
Sockets

Printed Circuit Test Jacks

8041 Series Commercial



PART NUMBER / STANDARD CONFIGURATIONS

	Side Entry Hole	Top and Side Entry Hole
Insulator Color	Part Number	Part Number
White	8041-1G9	8041-1G9-1
Red	8041-1G4	8041-1G4-1
Black	8041-1G6	8041-1G6-1
Brown	8041-1G3	8041-1G3-1
Green	8041-1G7	8041-1G7-1
Orange	8041-1G5	8041-1G5-1
Blue	8041-1G8	8041-1G8-1
Yellow	8041-1G2	8041-1G2-1
Gray	8041-1G10	8041-1G10-1
Violet	8041-1G11	8041-1G11-1

Note: Before ordering, see Cross Reference in Section 15 for equivalent Tyco Electronics Part Number.