

PERFORMANCE REFERENCE STACKABLE COMPLIANT PIN CONNECTORS (075)

Reference modified MIL-C-55302, MIL-C-28859, MIL-STD-2166 and ANSI/EIA-616.

CONTACT

CURRENT RATING: 3 amperes

OPERATING

TEMPERATURE: -65° to +125° C or -85° to +257° F

DWV TEST VOLTAGE: 750V (RMS), 60 Hz at sea level

INSULATION

RESISTANCE: 5,000 megohms minimum at 500 VDC

DURABILITY: 500 connector mating cycles

CONTACT

RESISTANCE: 3 to 5 milliohms (contact length dependent)

CONTACT

ENGAGEMENT FORCE: 4.0 oz (113 g) maximum with 0.0246" diameter test pin

CONTACT

SEPARATION FORCE: 0.5 oz (14 g) minimum with 0.0226" diameter test pin

TOTAL

MATING FORCE: Maximum, 4.0 oz (113 g) X number of contacts
Average 2.5 oz (70 g) X number of contacts

COMPLIANT

INSERTION AND

REMOVAL FORCES: Maximum insertion force – 22.5 pounds (10.22 Kg)
Minimum retention force after conditioning – 4.5 pounds (2.04 Kg)

SUGGESTED BOARD

AND PLATED THROUGH-

HOLE REQUIREMENTS: Board material – FR-4 with 1.0 oz copper
Minimum board thickness – .058"
Drilled Hole – .0319" - .0339"
Copper plating thickness – .0010" minimum
Tin-lead plating thickness – .0003" minimum
Electroplated tin-lead composition – 63/37 (Sn/Pb)
Finished hole diameter – .028" ±.002