2X .244

B = NICKEL

SURFACE MOUNT METAL SHELL
VERTICAL MICRO-D

GENDER
1 = RECEPTACLE, SOCKET CONTACTS
2 = PLUG, PIN CONTACTS

NUMBER OF CONTACTS
9, 15, 21, 25, 31, 37

SHELL HARDWARE
0 = NO HARDWARE
1 = JACKPOST

SHELL FINISH
A = CADMIUM
B = NICKEL

TBD

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513 WHERE APPLICABLE
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:
- SHELL - ALUMINUM ALLOY
- INSULATOR - GLASS FILLED THERMOPLASTIC
- PIN/SOCKET CONTACT - COPPER ALLOY
- INTERFACIAL SEAL - FLUOROSILICONE BLEND
- LOCATING PIN - STAINLESS STEEL

2. FINISH:
- SHELL - ELECTROLESS NICKEL OR CADMIUM
- OVER ELECTROLESS NICKEL
- PIN/SOCKET CONTACT - GOLD OVER NICKEL
- LEADS - HOT SOLDER DIPPED
- LOCATING PIN - PASSIVATED

3. SPECIFICATIONS:
- CURRENT RATING - 3 AMPS MAX
- TEMPERATURE RATING - 55° C TO +125° C
- INSULATION RESISTANCE - 5000 MEGOHMS MIN
- DWV AT SEA LEVEL - 600 VAC
- DWV AT 70,000 FT ALTITUDE - 150 VAC
- CONTACT RESISTANCE - 60 mV DROP MAX AT 2.5 AMPs
- LOW LEVEL CONTACT - 0.5 MILLIOHM MAX
- CONTACT RETENTION - 5 lb MINIMUM AXIAL LOAD
- ENGAGEMENT FORCE - 6 oz MAX
- SEPARATION FORCE - 0.5 oz MIN

4. ADDITIONAL INFORMATION:
DESIGN AND PERFORMANCE IN GENERAL
ACCORDANCE WITH M83513 WHERE APPLICABLE.

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SERIES SMV
MICRO-D METAL SHELL
SURFACE MOUNT VERTICAL

CONNECTOR/MOUNTING HOLES (TYPICAL)

RECOMMENDED PAD DIMENSIONS

LOCATING PIN 2 PLCS. (TYPICAL)

CONNECTOR (TYPICAL)

9 CONTACTS

21 CONTACTS

25 CONTACTS

31 CONTACTS

37 CONTACTS

RECEPTACLE PCB LAYOUT

TOLERANCE: ±XXX ±.005
±XX ±.01
ANGLE ±1°

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PLUG PCB LAYOUT

CONNECTOR/MOUNTING HOLES (TYPICAL)

9 CONTACTS

15 CONTACTS

21 CONTACTS

25 CONTACTS

31 CONTACTS

37 CONTACTS

CONNECTOR (TYPICAL)

RECOMMENDED PAD DIMENSIONS

LOCATING PIN 2 PLCS. (TYPICAL)

TOLERANCE: .XXX ± .005
XX ± .01
ANGLE ± 1°

MICRO-D METAL SHELL SURFACE MOUNT VERTICAL

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