



THOR ELECTRONICS of CALIFORNIA

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www.thorconnect.com
CERTIFIED TO ISO 9001:2008 AND AS9100:2009 REV. C

CONNECTOR SPECIFICATIONS:

1. MATERIALS:

- a. PLUG/RECEPTACLE SHELL: ALUMINUM ALLOY OR CRES
- b. COUPLING NUT: CRES
- c. BACKSHELL ADAPTER: ALUMINUM ALLOY
- d. MOUNTING NUT: ALUMINUM ALLOY OR CRES
- e. INSULATOR: ULTEM 1000 OR 1010
- f. SOCKET/PIN CONTACT: COPPER ALLOY

2. FINISH:

- a. PLUG/RECEPTACLE SHELL, MOUNTING NUT AND BACKSHELL ADAPTER:
CADMIUM O.D. OVER ELECTROLESS NICKEL, ELECTROLESS NICKEL OR PASSIVATE
- b. COUPLING NUT: CADMIUM O.D. OVER PASSIVATE OR ELECTROLESS NICKEL
- c. SOCKET/PIN CONTACT: GOLD PLATE OVER NICKEL

3. SPECIFICATIONS:

- a. CONTACT POSITION: 7, 19, 37 AND 55-POSITION
- b. CONTACT TERMINATION: CRIMP SOCKET/CRIMP PIN
- c. CONTACT POSITIONING: 0.050" CENTER TO CENTER
- d. CURRENT RATING: 3 AMPS MAX
- e. CONTACT RESISTANCE: 0.008 OHMS MAX
- f. DWV: 500 VAC (0' MSL) ; 100 VAC (70,000 MSL)
- g. INSULATION RESISTANCE: 100 MEGAOHMS (CONTACT TO CONTACT) (CONTACT TO SHELL)
- h. EMI EFFECTIVENES: 50db (20k-120MHz)
- i. SERVICE LIFE: 500 CYCLES (MATE/UN-MATE)
- j. TEMPERATURE RATING: -40c TO 125c (OPERATING) ; -57c TO 125c (STORAGE)