

INTERFACE DESIGN STANDARD			REV	DESCRIPTION	DATE	APPR
IDS-42			D	PER ECN 10095	11/30/09	JEM
PAGE 1 OF 1	DATE: 03/05/04		E	PER ECN 12835	04/10/18	JEM
DRAWN: MY	APPROVED: HN		F	PER ECN 13033	07/24/18	JEM
		22 GREAT HILL ROAD, NAUGATUCK, CT. 06770				
		PHONE: (800) 323-9562 FAX: (630) 206-1801				

DESCRIPTION: TNC SERIES

MATERIALS

BODIES, NUTS- CORROSION RESISTANT STEEL, PER ASTM-A-582 & ASTM-A-484.  
 FITTINGS, MALE CONTACTS - BRASS PER ASTM-B-16.  
 INSULATORS - TEFLON (PTFE) PER ASTM-D-1710.  
 CONTACTS, FEMALE AND OUTER - BERYLLIUM COPPER PER ASTM-B-196.  
 GASKETS - SILICONE RUBBER PER CZ-R-765.

FINISHES (ADD LETTER TO END OF PART NUMBER)

BODIES - PASSIVATE PER ASTM-A380 (P SUFFIX)  
 FITTINGS - SILVER PER QQ-S-365  
 CONTACTS - GOLD PLATED .00005 MIN. PER MIL-DTL-45204

MATING CHARACTERISTICS

PER MIL-C-39012.  
 FORCE TO ENGAGE /DISENGAGE- TORQUE - 32 IN. OZ. (2 IN. LBS.) MAX.  
 COUPLING NUT RETENTION - AXIAL FORCE 1600 OZ. (100 LBS.) MIN.,  
 TORQUE - 480 IN. OZ. (30 IN-LBS.) MIN.  
 DURABILITY: 500 CYCLES PER MIL-C-39012.

ELECTRICALS

IMPEDANCE: 50 OHMS.  
 FREQUENCY RANGE: DC TO 11 GHz.  
 INSULATION RESISTANCE: 5000 MEGOHMS.  
 TEMPERATURE RATING: -65°C TO +165°C  
 DWV - 1500 VOLTS MIN. AT SEA LEVEL  
 CONTACT RESISTANCE: CENTER CONTACT 1.5 MILLIOHMS  
 OUTER CONTACT 0.2 MILLIOHMS  
 VSWR - 1.30 MAX.  
 R.F. LEAKAGE - 60 dB MIN. @ 2 to 3 GHz.  
 INSERTION LOSS - 0.18 dB MAX. @ 3 GHz.

ENVIRONMENTAL

VIBRATION: MIL-STD-202, METHOD 204, TEST CONDITION B.  
 SHOCK: MIL-STD-202, METHOD 213, TEST CONDITION I.  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, TEST CONDITION B @ 85°C.  
 CORROSION: MIL-STD-202, METHOD 101, TEST CONDITION B.  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106,  
 NO MEASUREMENT AT HIGH HUMIDITY.

\*NOTES:

- 1) DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED [METRIC].
- 2) DIMENSIONS ARE SHOWN FOR REFERENCE PURPOSES ONLY.