**NOTES:**

1. **MATERIALS:**
   - A. **INSULATOR:** SEE PART NUMBER CODING.
   - B. **CONTACT:** SEE PART NUMBER CODING.
   - C. **PLATING:** SEE PART NUMBER CODING.

2. **THERMAL:**
   - A. **OPERATING TEMPERATURE:** SEE PART NUMBER CODING.
   - B. **PROCESSING TEMP:** SEE PART NUMBER CODING.
   - C. **UL FLAMMABILITY RATING:** 94V-0.

3. **ELECTRICAL:**
   - A. **DIELECTRIC WITHSTANDING VOLTAGE:** MATED CONNECTOR MUST EXHIBIT NO EVIDENCE OF BREAKDOWN, FLUSHOVER, OR DETERIORATION FROM AN APPLIED VOLTAGE OF 950 VAC (VALUE HAS BEEN DE-RATED), RMS 60Hz WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3001. DURATION OF APPLICATION SHALL BE 5 SECS MIN.
   - B. **INSULATION RESISTANCE (IR):** 5,000 MEGOHMS @ 500 VOLS±10% WHEN TESTED IN ACCORDANCE WITH MIL-STD-1344, METHOD 3003 @ 25°C.
   - C. **CONTACT RESISTANCE:** 30 MILLIOHM MAX AT RATED CURRENT WHEN TESTED PER MIL-STD-202, METHOD 307 @ 25°C±3°C.
   - D. **CURRENT RATING:** SEE PART NUMBER CODING.

4. **MECHANICAL:**
   - A. **CONNECTOR IDENTIFICATION:** THE PART SHALL BE MARKED WITH A LOT CODE AS A MINIMUM.
   - B. **CONTACT:** 5 AMPS PER CONTACT.
   - C. **BOARD THICKNESS ACCOMMODATED:** .062±.008".
   - D. **BOARD INSERTION FORCE:** 16 OZ MAX PER CONTACT PAIR WHEN USING A .062" TEST BLADE.
   - E. **BOARD WITHDRAWAL FORCE:** 1 OUNCE MINIMUM PER CONTACT PAIR USING .062" PCB.

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**MOUNTING STYLE**

- **H = .125" DIA. CLEARANCE HOLES**
- **N = NO MOUNTING EARS**
- **S = .125" DIA. SIDE MOUNTING**
- **I = #4-40 THREADED INSERT**
- **F = FLOATING BOBBIN**
- **D = FLUSH MOUNTING**

**TAIL LENGTH ±.025,.64**

- **Rk = .137,.348**
- **Rf = .200,.508**
- **Rj = .225,.571**
- **Rd = .408,1.040**

**NUMBER OF POSITIONS**

- **(CONTACTS PER ROW)**

**PLATING**

- **ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE**

- **CONTACT SURFACE TERMINATION**
  - **G = .000010" GOLD .000005" GOLD**
  - **B = .000010" GOLD .000005" PURE TIN, MATTE**
  - **C = .000030" GOLD .000100" PURE TIN, MATTE**
  - **E = .000100" PURE TIN, MATTE**
  - **M = .000010" GOLD OVERALL .000005" GOLD OVERALL**
  - **** OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G

---

**TILTING DIMENSIONS ARE IN INCHES[MM]**

**TOLERANCES:**

- **ANGULAR: 30'**
- **.XX = .02 [.508]**
- **.XXX = .005 [.1270]**
- **.XXXX = .0005 [.0127]**

**SURFACE FINISH:** 63 Ra

**REMOVE ALL BURRS AND SHARP EDGES .010 MAX**

**INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER:** ANSI Y14.5M-1994

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**CUSTOMER COPY**

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**FILE NAME:** Z:\COMPONENTS\Part Assemblies\Customer Drawings\Customer Drawings for Catalog\C10889, _ _ M _ _ DR_ _ DRF,DRU,DRP  PRINT: 9/23/2008
<table>
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<th>PART NUMBER</th>
<th>NO. OF POS.</th>
<th>A ± .008[0.20]</th>
<th>B ± .008[0.20]</th>
<th>C ± .015[0.38]</th>
<th>D ± .010[0.25]</th>
<th>E ± .020[0.51]</th>
<th>F ± .005[0.13]</th>
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"N" MOUNTING

0.325 8.26

0.438 11.13

0.500 12.70

Only applies for PPS/PEEK insulators with threaded in RXrts or floats