**MATING FACE - RECEPTACLE**

(MIRROR IMAGE FOR PLUG)

**FILTER CHARACTERISTICS**
- L = LOW RANGE
- M = MID RANGE
- T = STANDARD RANGE
- H = HIGH RANGE
- VH = VERY HIGH RANGE

**FILTER TYPE**
- C = C
- P = Pi

**WIRE LENGTH**
- STRANDED (+1.00 / -0.00)
  - 1 = 6 INCHES
  - 2 = 12 INCHES
  - 3 = 18 INCHES
  - 4 = 24 INCHES
  - 5 = 36 INCHES
  - 6 = 72 INCHES
  - SOLID COPPER (+0.20 / -0.00)
    - 1 = 0.5 INCH
    - 2 = 1.0 INCH
    - 3 = 0.25 INCH

**WIRE SIZE**
- STRANDED WIRE
  - 0 = 26 AWG
  - 1 = 24 AWG
  - 2 = 28 AWG
- SOLID WIRE
  - 0 = 25 AWG
  - 1 = 24 AWG

**WIRE COLOR/TYPE**
- 0 = WHITE STRANDED *
- 1 = YELLOW STRANDED
- 2 = 10 SOLID COLORS REPEATED *
- 3 = FULL COLOR CODE STRANDED
- 9 = SOLID COPPER *

* = MOST COMMONLY USED & STOCKED WIRE TYPES AND HARDWARE OPTIONS

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513 WHERE APPLICABLE.

FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

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

2. **FINISH:**
- SHELL - ELECTROLESS NICKEL OR CADMIUM
- OVER ELECTROLESS NICKEL
- CONTACT - GOLD OVER NICKEL

3. **SPECIFICATIONS:**
- CURRENT RATING: ............. 3 AMPs MAX
- TEMPERATURE RATING: ......... -55°C TO +125°C
- INSULATION RESISTANCE: ....... 1000 MEGOHMS MIN
- DWV AT SEA LEVEL: .......... 100 VDC
- CONTACT RESISTANCE: ....... 8 MILLIOHMS AT 2.5 AMPs
- LOW LEVEL CONTACT:......... 10 MILLIOHMS MAX
- CONTACT RETENTION: ......... 5 LBS MINIMUM AXIAL LOAD
- ENGAGEMENT FORCE: .......... 6 oz MAX
- SEPARATION FORCE: .......... 0.5 oz MIN

4. **ADDITIONAL INFORMATION:**
   - CONSULT CRISTEK FOR OTHER CONFIGURATIONS.

5. **PREVIOUS CATALOG TERMINATION CALLOUT "5" IS NOW "T903."**

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

**REV:**
- J

**TITLE:** MICRO-D METAL SHELL FILTERED CONFORMING TO M83513

**SHT:** 2 OF 2

**DWG. NO.:** FMD

**888.265.9162**

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