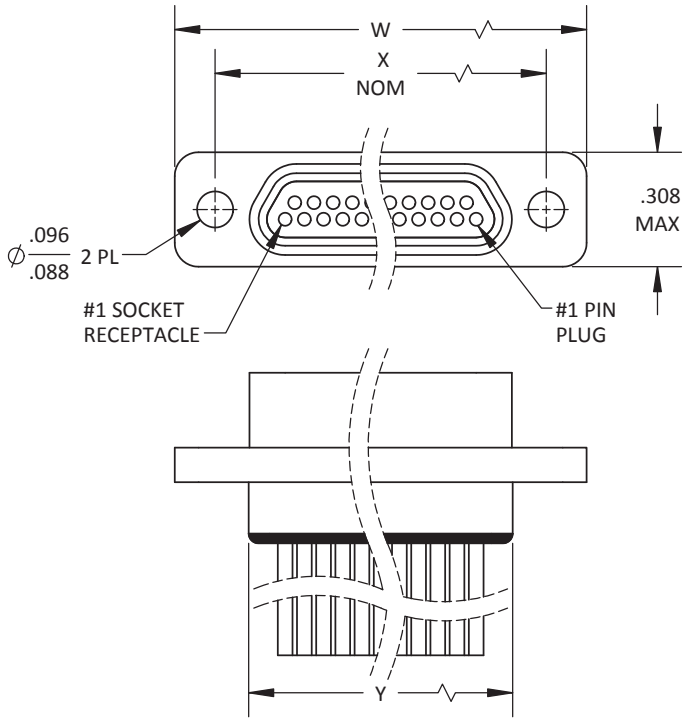
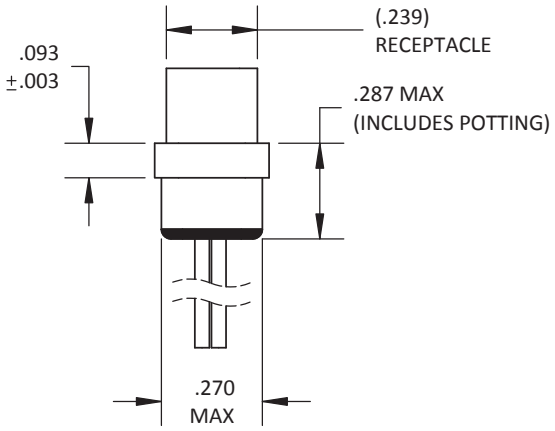
CRISTEK INTERCONNECTS, INC

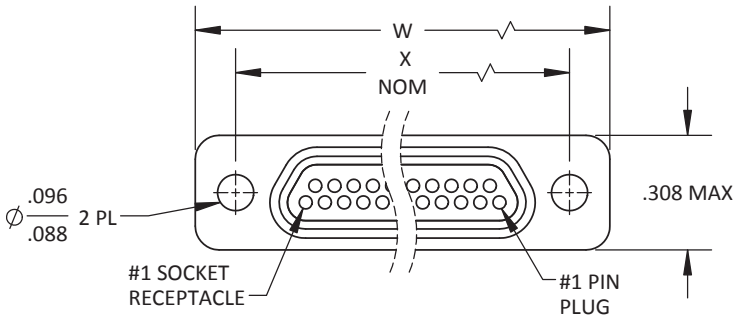
MICRO-D METAL SHELL FILTERED CONFORMING TO M83513

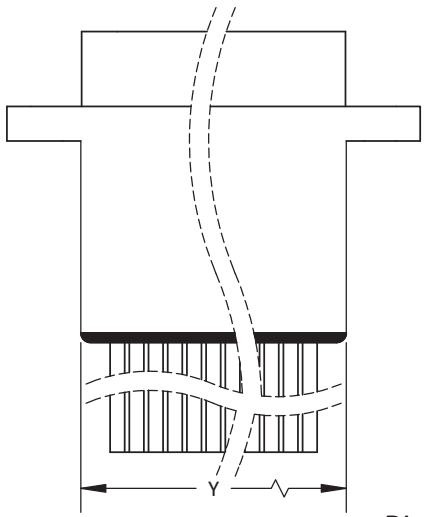


NO. OF CONTACTS	W MAX	X	Y MAX
9	.785	.565	.400
15	.935	.715	.550
21	1.085	.865	.700
25	1.185	.965	.800
31	1.335	1.115	.950
37	1.485	1.265	1.100



C - TYPE FILTER





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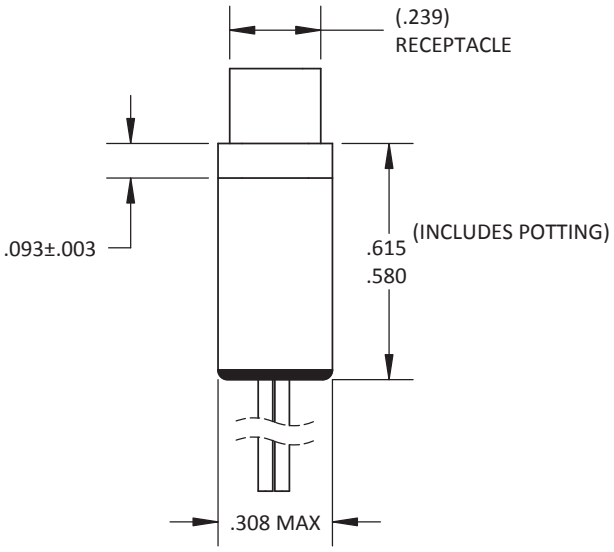
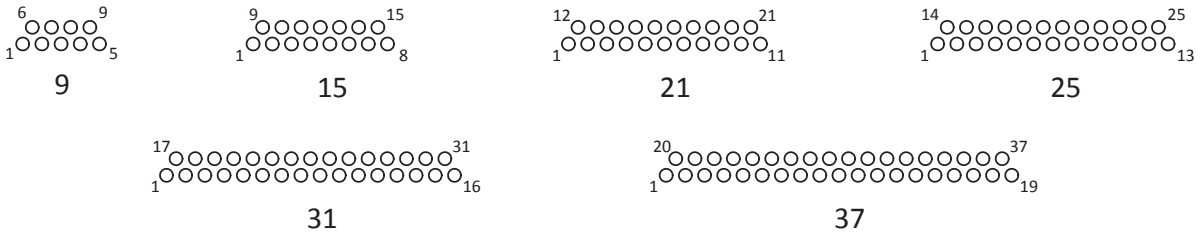


PI - TYPE FILTER

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL SHELL FILTERED CONFORMING TO M83513	SHT 1 OF 2	DWG. NO. FMD	REV J

CRISTEK INTERCONNECTS, INC

MICRO-D METAL SHELL
FILTERED CONFORMING TO M83513



MATING FACE - RECEPTACLE
(MIRROR IMAGE FOR PLUG)

FMD — X X — X X X X X X X X XX

FILTERED MICRO-D

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

NUMBER OF CONTACTS
- A = 9 D = 25
- B = 15 E = 31
- C = 21 F = 37

SHELL HARDWARE
- 0 = NO HARDWARE

FACTORY INSTALLED (NON-REMOVABLE)
- F = FLOAT MOUNT
- J = HIGH PROFILE HEX DRIVE JACKSCREW
- K = HIGH PROFILE SLOTTED JACKSCREW
- L = LOW PROFILE HEX DRIVE JACKSCREW*
- T = THREADED INSERT

HARDWARE - FACTORY INSTALLED
- 1 = JACKPOST PER MIL-M-83513/5-07 SIZES 9 THRU 37 *
- 2 = LOW PROFILE HEX DRIVE JACKSCREW *
- 3 = HIGH PROFILE HEX DRIVE JACKSCREW
- 5 = LOW PROFILE SLOTTED JACKSCREW
- 6 = HIGH PROFILE SLOTTED JACKSCREW

SHELL FINISH
- C = CADMIUM
- N = NICKEL

TERMINATIONS
- WIRE TYPE
  - STRANDED
    - H = HARNESS (MIL-W-16878/4)
    - S = SPACE (MIL-W-22759/33)
    - M = MILITARY (MIL-W-22759/11) *
  - SOLID
    - G = GOLD PLATED COPPER
    - T = TIN/LEAD PLATED COPPER

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

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 RESISTANCE
   - 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."

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE: MICRO-D METAL SHELL FILTERED CONFORMING TO M83513	SHT 2 OF 2	DWG. NO. FMD	REV J