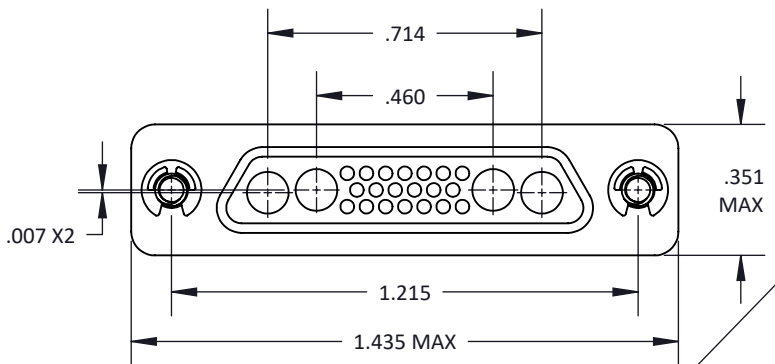
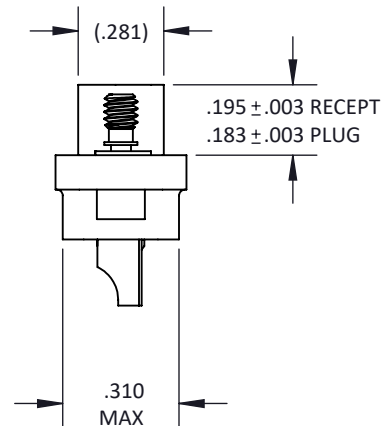
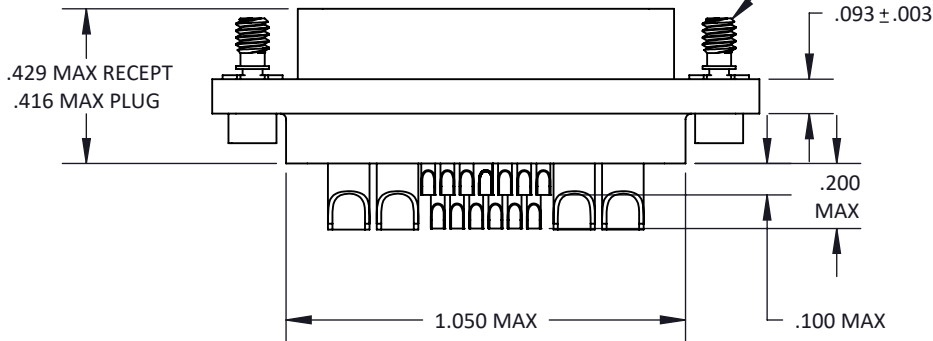


05C2 & 05P2 CONTACTS (25 MICRO CONTACT SHELL)
(PREWIRED MICRO/COAX CONTACT CONFIGURATION SHOWN)



2X #2-56 JACKSCREW
AND RETAINING CLIP
(OPTIONAL)



20C4 & 20P4 CONTACTS (51 MICRO CONTACT SHELL)
(SOLDER CUP MICRO/POWER CONTACT CONFIGURATION SHOWN)

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

TITLE
COMBO
MICRO AND COAXIAL CONTACTS
OR MICRO AND POWER CONTACTS

SHT 1 OF 2

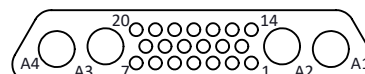
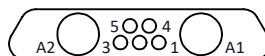
DWG. NO.
CCD

REV
J

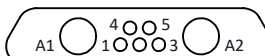


COMBO MICRO AND COAXIAL CONTACTS OR MICRO AND POWER CONTACTS

PLUG MATING FACE



RECEPTACLE MATING FACE



05C2 & 05P2

20C4 & 20P4

CCD — X XXXX — X X X X X X X X

CRISTEK COMBO CONNECTOR

GENDER***

- P = PLUG, PIN CONTACTS
- S = RECEPTACLE, SOCKET CONTACTS

NUMBER/TYPE OF CONTACTS

- | | |
|---------------|-------------|
| MICRO/COAXIAL | MICRO/POWER |
| 05C2 20C4 | 05P2 20P4 |

HARDWARE

- 0 = NONE
- 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
- M83513 HARDWARE - FACTORY INSTALLED
- 2 = LOW PROFILE HEX DRIVE JACKSCREW *
- 3 = HIGH PROFILE HEX DRIVE JACKSCREW *
- 5 = LOW PROFILE SLOTTED JACKSCREW *
- 6 = HIGH PROFILE SLOTTED JACKSCREW
- 7 = JACKPOST KIT *

SHELL FINISH

- A = CADMIUM
- B = NICKEL
- C = ANODIZE
- D = CHEM FILM
- E = BLACK CADMIUM
- G = GOLD
- P = PASSIVATION (STAINLESS STEEL)

TERMINATION

0000 - ALL SOLDER CUPS (MICRO/POWER CONTACT CONFIGURATION ONLY)*

WIRE TYPE

N = NONE (MICRO SOLDER CUP/COAX CONFIGURATION ONLY)

STRANDED

- H = HARNESS (MIL-W-16878/4)
- M = MILITARY (MIL-W-22759/11)*
- S = SPACE (MIL-W-22759/33)

SOLID

- G = GOLD PLATED COPPER
- T = TIN PLATED COPPER

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

** = COAX AND POWER WIRES WILL HAVE THE SAME LENGTHS AS THOSE FOR THE MICRO CONTACTS

*** = PLUG WILL HAVE MICRO PIN AND POWER/COAX SOCKET CONTACTS
RECEPTACLE WILL HAVE MICRO SOCKET AND POWER/COAX PIN CONTACTS

**** = THE NUMBER "0" FOLLOWING "N" HAS NO SIGNIFICANCE

WIRE LENGTH** (+1.00 / -0.00)

STRANDED

- 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

N = NONE (MICRO SOLDER CUP/COAX CONFIGURATION ONLY)****

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

COAX/POWER WIRE TYPE AND SIZE

- 0 = WHITE 16 AWG STRANDED*
- 1 = YELLOW 16 AWG STRANDED
- 3 = FULL COLOR CODE 16 AWG STRANDED
- 5 = MIL-C-17/93-RG178 (COAX)
- 6 = MIL-C-17/93-RG196 (COAX)
- 7 = SOLID COPPER

(OTHER CABLE OPTIONS ARE AVAILABLE, CONTACT CRISTEK FOR DETAILS)

COAX WIRE ****

0 = NO SIGNIFICANCE

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513 WHERE APPLICABLE.
FOR DETAILS SEE MIL-SPEC OR WWW.CRISTEK.COM

1. MATERIALS:

- SHELL - ALUMINUM ALLOY/STAINLESS STEEL
- INSULATOR - GLASS FILLED THERMOPLASTIC
- CONTACT - COPPER ALLOY
- INTERFACIAL SEAL - FLUOROSILICONE BLEND (20P4/20C4 ONLY)

2. FINISH:

- SHELL - SEE OPTIONS ABOVE
- CONTACT - GOLD OVER NICKEL

3. SPECIFICATIONS:

- CURRENT RATING (SIGNAL) ----- 3 AMPS MAX
- CURRENT RATING (POWER) ----- 13 AMPS MAX
- TEMPERATURE RATING ----- -55° C TO +125° C
- INSULATION RESISTANCE ----- 5000 MEGOHMS
- DWV AT SEA LEVEL ----- 600 VAC
- DWV AT 70,000 FT ALTITUDE --- 150 VAC
- CONTACT RESISTANCE ----- 8 MILLIOHMS MAX AT 2.5 AMPS
- LOW LEVEL CONTACT ----- 10 MILLIOHMS MAX
- RESISTANCE
- CONTACT RETENTION ----- 5 LBS AXIAL LOAD
- ENGAGEMENT FORCE ----- 6 oz MAX
- SEPARATION FORCE ----- 0.5 oz MIN

4. ADDITIONAL INFORMATION:

- DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH M83513 WHERE APPLICABLE

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

TITLE
**COMBO
MICRO AND COAXIAL CONTACTS
OR MICRO AND POWER CONTACTS**

SHT 2 OF 2

DWG. NO.
CCD

REV
J