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  
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)  
GOLD PLATED COPPER  
TIN PLATED COPPER

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)

WIRE SIZE
STRANDED WIRE COAX WIRE ****
0 = 26 AWG 0= NO SIGNIFICANCE  
1 = 24 AWG 2 = 28 AWG  
SOLID WIRE
0 = 25 AWG 1 = 24 AWG

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

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  
9 MILHUMS MAX AT 2.5 AMPS
LOW LEVEL CONTACT---------- 10 MILHUMS MAX
RESISTANCE
CONTACT RETENTION ----------- 5 LBS AXIAL LOAD
ENGAGEMENT FORCE -------- 6 oz MAX
SEPARATION FORCE --------- 0.5 oz MIN

ADDITIONAL INFORMATION:
DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH M83513 WHERE APPLICABLE
For details see MIL-SPEC or WWW.CRISTEK.COM

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  
9 MILHUMS MAX AT 2.5 AMPS
LOW LEVEL CONTACT---------- 10 MILHUMS 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

For details see MIL-SPEC or WWW.CRISTEK.COM

TOLERANCE: .XXX ±.005  
.ADDITIONAL INFORMATION:
REV J

CRISTEK.COM  888.265.9162  
SERIES CCD