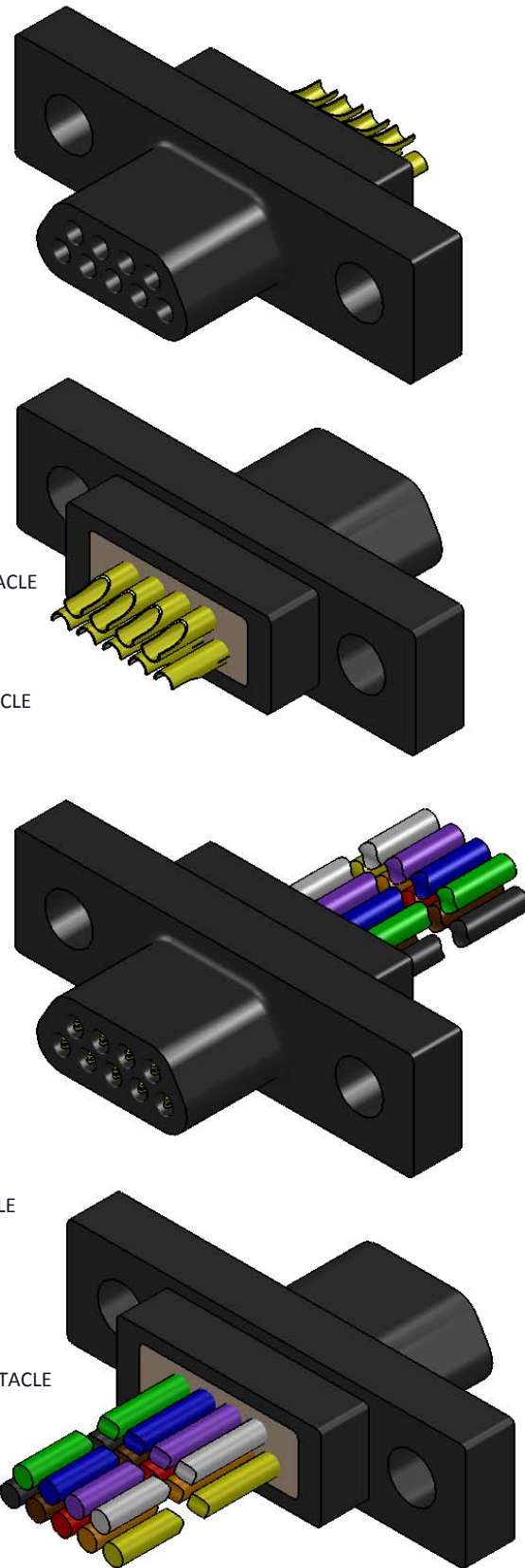
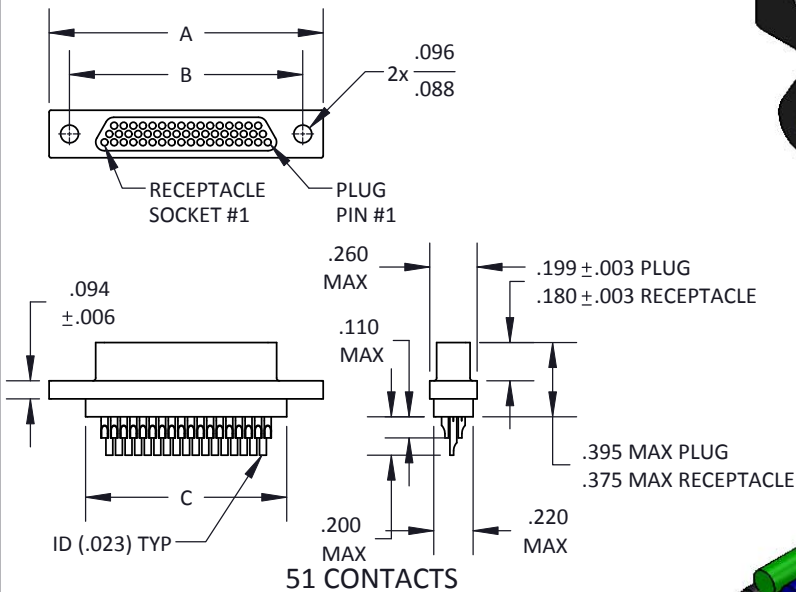
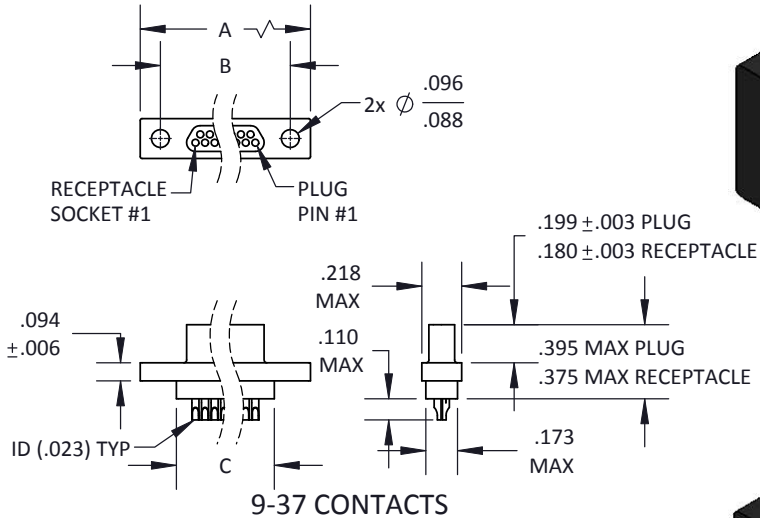


NO. OF CONTACTS	A MAX	B BSC	C MAX
9	.788	.565	.408
15	.938	.715	.558
21	1.088	.865	.708
25	1.188	.965	.808
31	1.338	1.115	.958
37	1.488	1.265	1.108
51	1.438	1.215	1.058



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

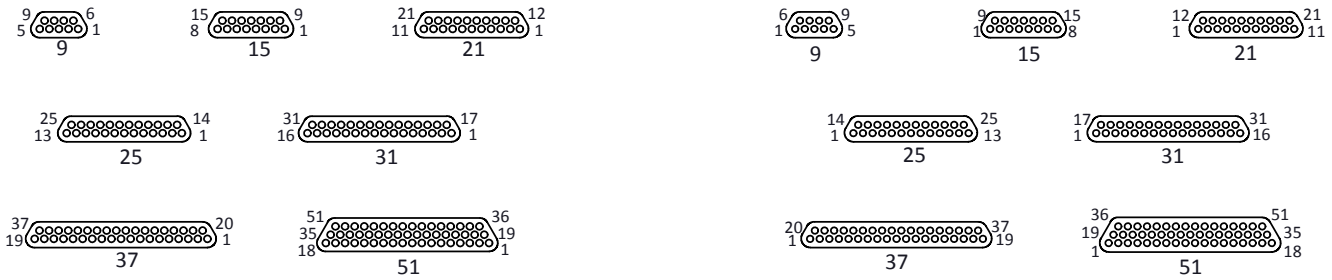
TITLE  
MICRO-D PLASTIC SHELL

SHT 1 OF 2

DWG. NO.

CPD

REV  
M



PLUG MATING FACE

RECEPTACLE MATING FACE

## CPD XXX X - X X X X X X

CRISTEK PLASTIC SHELL  
MICRO-D CONNECTORS  
(MATE WITH M83513 PLASTIC)

NUMBER OF CONTACTS  
009 025 051  
015 031  
021 037

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

HARDWARE  
0 = NONE  
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 (HARDWARE IS #2-56) \*

SHELL MATERIAL  
5 - POLYPHENYLENE SULFIDE

TERMINATION  
0000 - SOLDER CUP \*  
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

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  
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

- MATERIALS:  
INSULATOR - GLASS FILLED THERMOPLASTIC  
PIN/SOCKET CONTACT - COPPER ALLOY
- FINISH:  
PIN/SOCKET CONTACT - GOLD OVER NICKEL

- SPECIFICATIONS:  
CURRENT RATING ----- 3 AMPS MAX  
TEMPERATURE RATING ----- -55° C TO +125° C  
INSULATION RESISTANCE ----- 5000 MEGOHMS MIN  
DWV AT SEA LEVEL ----- 600 VAC  
DWV AT 70,000 FT ALTITUDE --- 150 VAC  
CONTACT RESISTANCE:  
26 AWG (STRANDED) = 28 MILLIOHMS MAX.  
24 & 25 AWG (SOLID) = 25 MILLIOHMS MAX.  
CONTACT RETENTION ----- 5 lb MINIMUM 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 OTHER TERMINATIONS, CONTACT CRISTEK.

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D PLASTIC SHELL	SHT 2 OF 2	DWG. NO. CPD	REV M
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