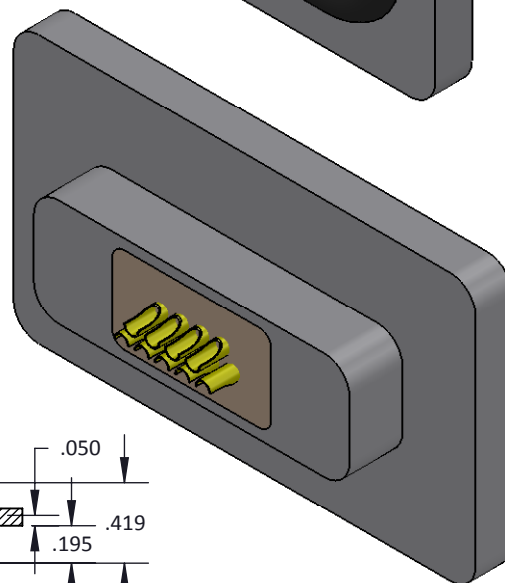
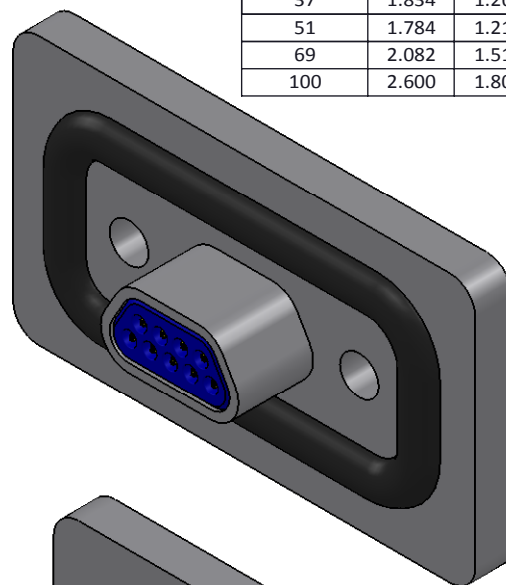
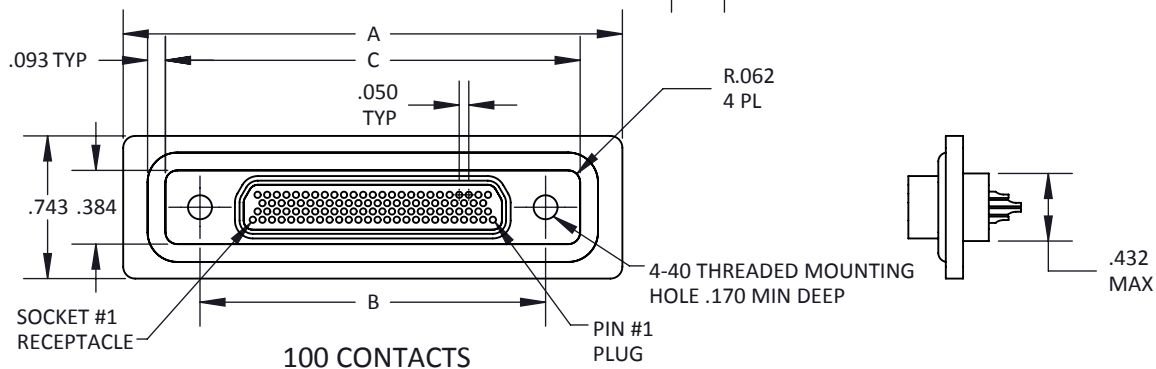
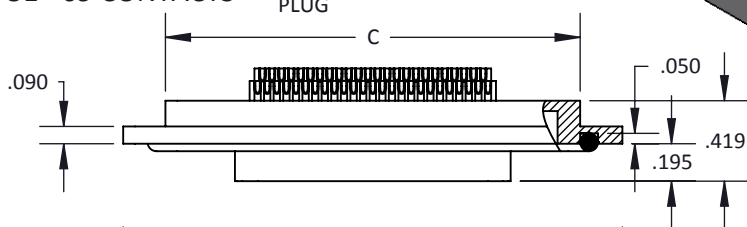
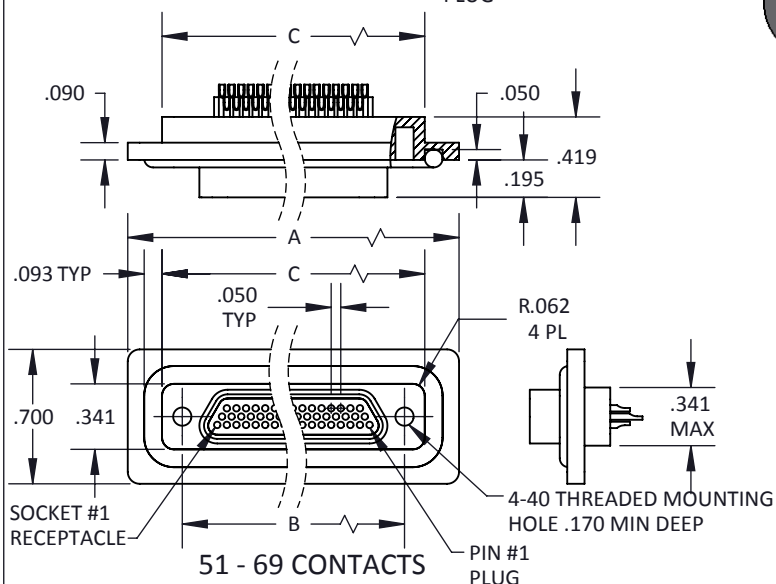
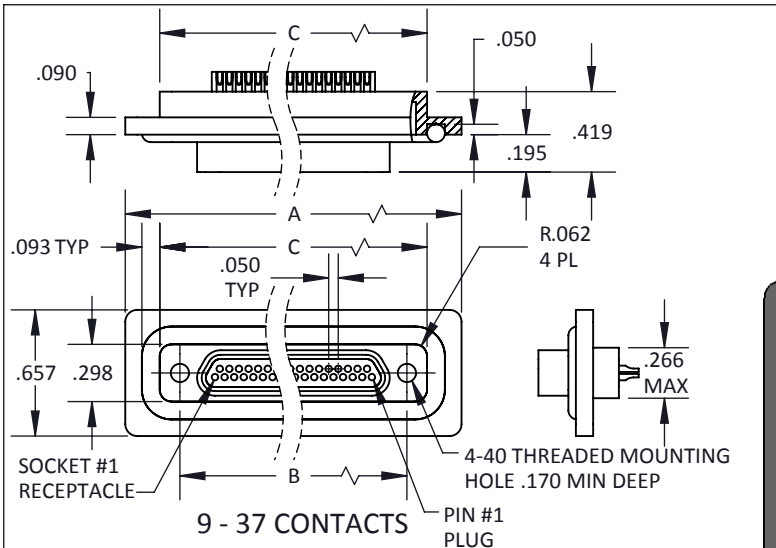


NO. OF CONTACTS	A	B	C
9	1.134	.565	.775
15	1.284	.715	.925
21	1.434	.865	1.075
25	1.534	.965	1.175
31	1.684	1.115	1.325
37	1.834	1.265	1.475
51	1.784	1.215	1.425
69	2.082	1.514	1.724
100	2.600	1.800	2.160



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

TITLE

MICRO-D WITH O-RING

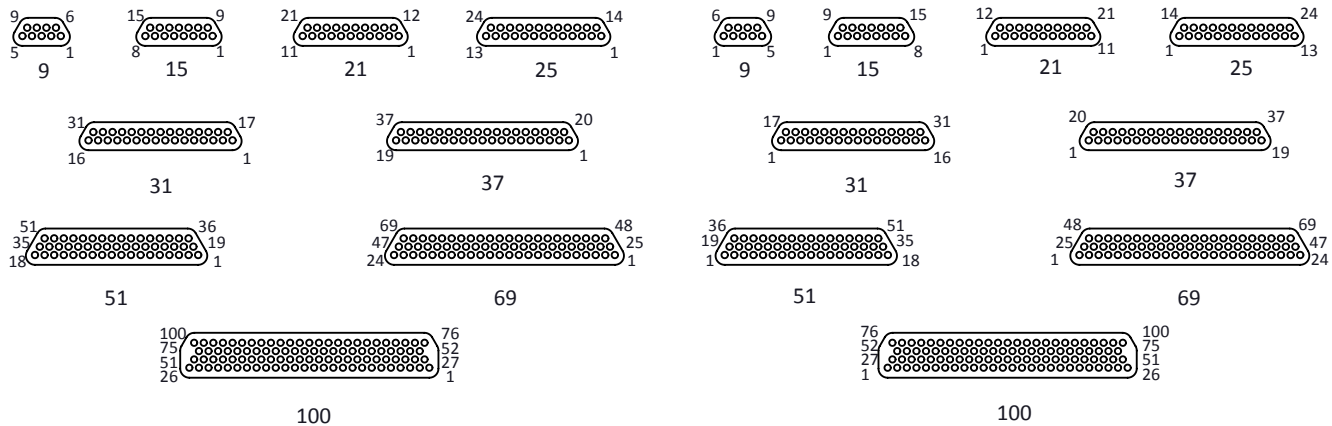
SHT 1 OF 2

DWG. NO.

MDG

REV

H



PLUG MATING FACE

RECEPTACLE MATING FACE

MDG XXX X-U X X X X X-X

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

NUMBER OF CONTACTS

009 025 051
015 031 069
021 037 100

GENDER

P = PIN, PLUG SHELL
S = SOCKET, RECEPTACLE SHELL

HARDWARE

U = TAPPED FOR 4-40 SCREW* T = TAPPED FOR 2-56 SCREW
A = JACKPOST (.040 RPM) E = JACKPOST (.040 RPM)
B = JACKPOST (.060 RPM) F = JACKPOST (.060 RPM)
C = JACKPOST (.070 RPM) G = JACKPOST (.070 RPM)
D = JACKPOST (.080 RPM) H = JACKPOST (.080 RPM)

SHELL FINISH

A = CADMIUM
B = NICKEL
C = ANODIZE (BLACK)
D = CHEM FILM
E = GOLD

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 *

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

"O" RING (OMIT FOR NONE)

C = CONDUCTIVE, EMI
D = DIELECTRIC, NON-CONDUCTIVE

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

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 *

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
"O" RING - FLUOROSILICONE BLEND

2. FINISH:

SHELL - SEE OPTIONS ABOVE
PIN/SOCKET CONTACT - GOLD OVER NICKEL

3. 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 ----- 8 MILLIOHMS MAX AT 2.5 AMPS
LOW LEVEL CONTACT ----- 10 MILLIOHMS MAX
RESISTANCE
CONTACT RETENTION ----- 5 lb MINIMUM 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.
CONTACT CRISTEK FOR OTHER TERMINATIONS
AND HARDWARE OPTIONS.

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

TITLE

MICRO-D WITH O-RING

SHT 2 OF 2

DWG. NO.

MDG

REV

H