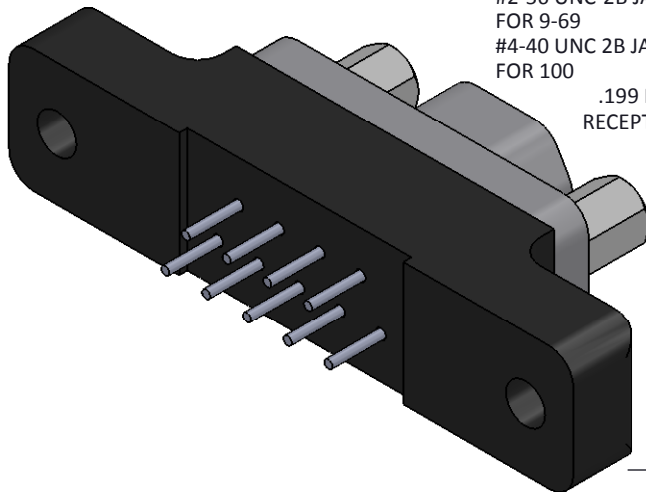
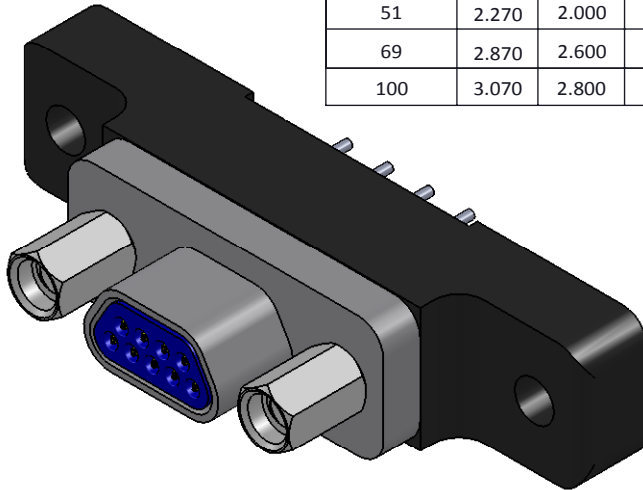
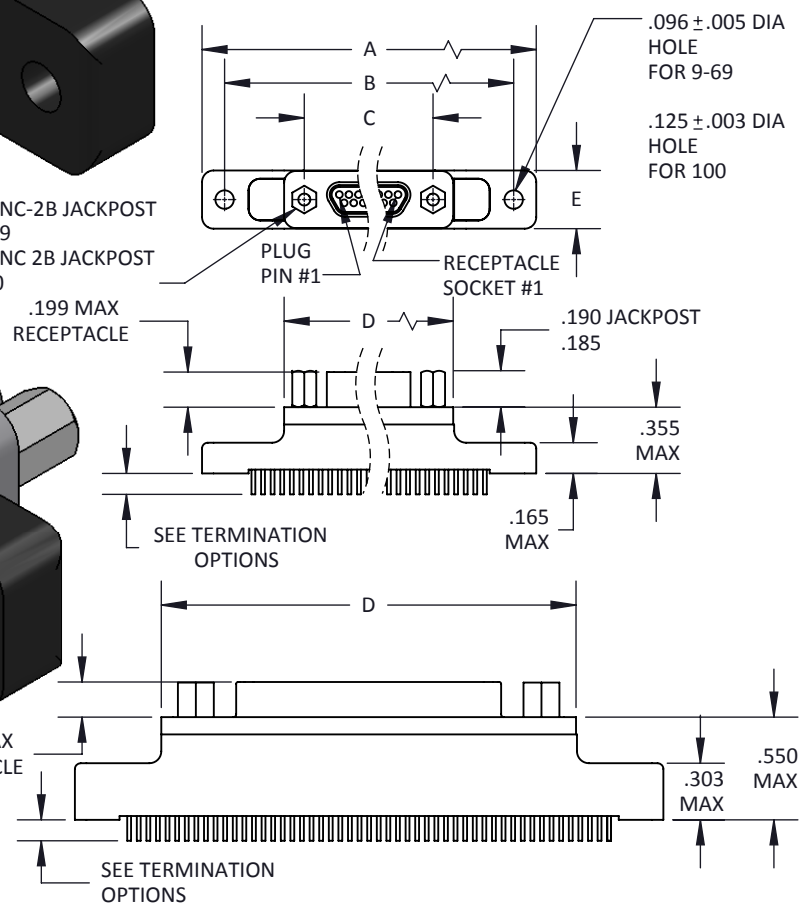


MICRO-D METAL SHELL STRAIGHT BOARD MOUNT

NO. OF CONTACTS	A MAX	B ±.007	C BSC	D MAX	E MAX
9	1.390	1.150	.565	.885	.308
15	1.390	1.150	.715	.945	.308
21	1.690	1.450	.865	1.185	.308
25	1.740	1.500	.965	1.275	.308
31	2.040	1.800	1.115	1.575	.308
37	2.340	2.100	1.265	1.875	.308
51	2.270	2.000	1.215	1.775	.351
69	2.870	2.600	1.515	1.735	.351
100	3.070	2.800	1.800	2.585	.460



#2-56 UNC-2B JACKPOST
FOR 9-69
#4-40 UNC 2B JACKPOST
FOR 100



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

TITLE

MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT

SHT 1 OF 4

DWG. NO.

MBS

REV

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MBS-X XXX-X X X T

MICRO-D STRAIGHT PCB MOUNT

GENDER

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

NUMBER OF CONTACTS

- 009 025 051
- 015 031 069
- 021 037 100

SHELL HARDWARE

- 0 = NO HARDWARE
- 1 = JACKPOST PER M83513/05-07 SIZES 9 THRU 69
- JACKPOST PER M83513/05-17 FOR SIZE 100

SHELL FINISH

- A = CADMIUM
- B = NICKEL

TERMINATIONS

- 1 = .109 ±.015
 - 2 = .140 ±.015
 - 3 = .172 ±.015
 - 4 = .190 ±.015
 - 5 = .250 ±.015
- ALL 24 AWG (.020 DIA)
HOT SOLDER DIPPED

PCB MOUNTING METHOD

- T = #2-56 THREADED INSERT SIZES 9 THRU 69 (#4-40 FOR SIZE 100)
- OMIT FOR THROUGH HOLE (.096 DIA FOR 9-69, .125 FOR 100)

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

1. MATERIALS:

SHELL - ALUMINUM ALLOY
INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
PIN/SOCKET CONTACT - COPPER ALLOY
INTERFACIAL SEAL - FLUOROSILICONE BLEND

2. FINISH:

SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
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 ----- 24 AWG = 25 MILLIOHMS MAX.
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 CONFIGURATIONS.

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

TITLE

**MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT**

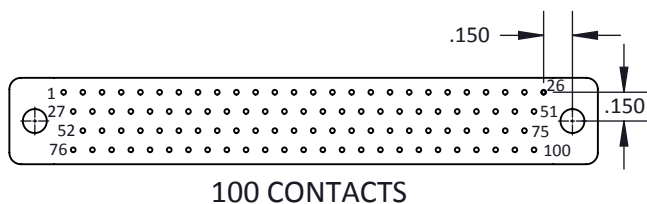
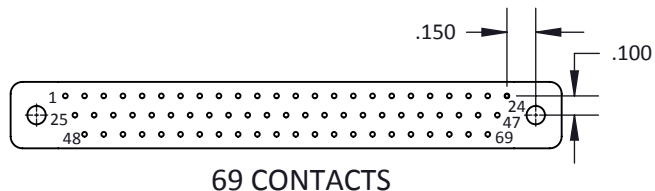
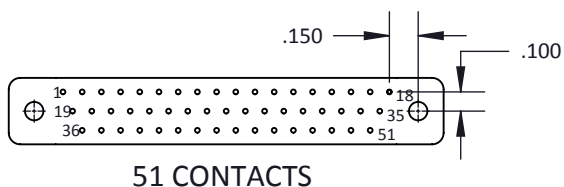
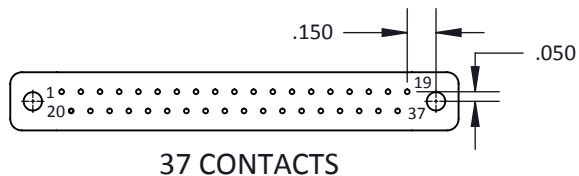
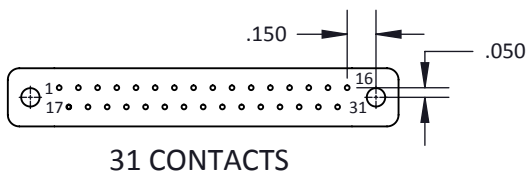
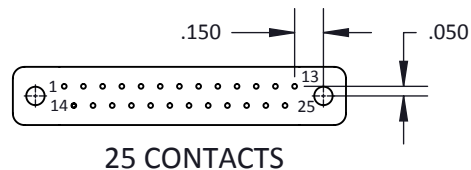
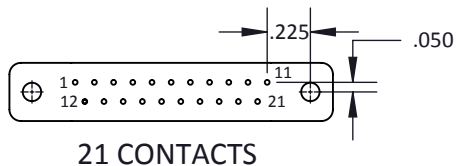
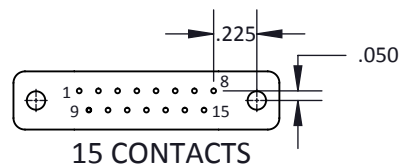
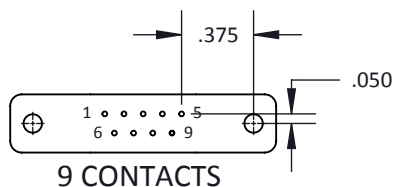
SHT 2 OF 4

DWG. NO.

MBS

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PLUG PCB LAYOUTS

.100 X .100 GRID PATTERN OFFSET .050

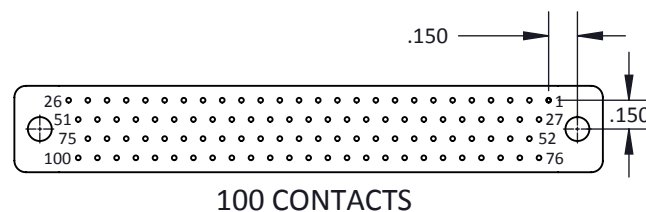
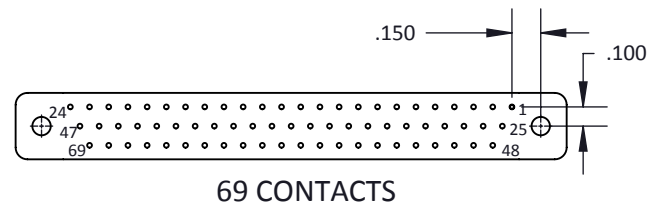
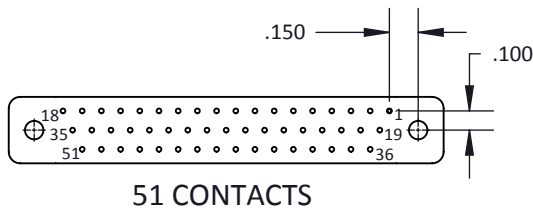
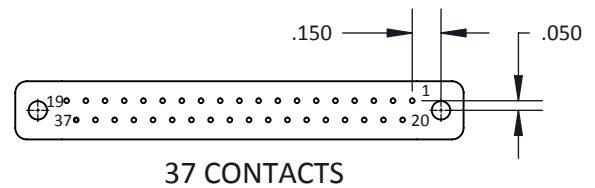
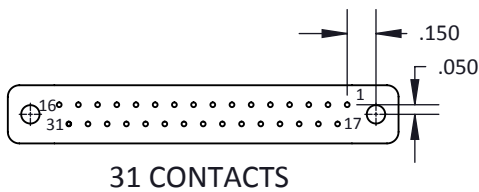
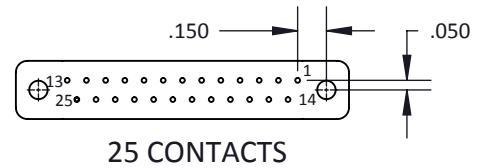
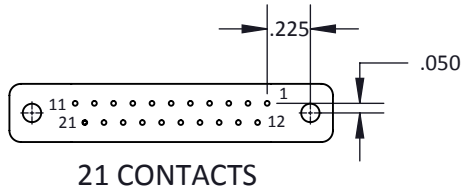
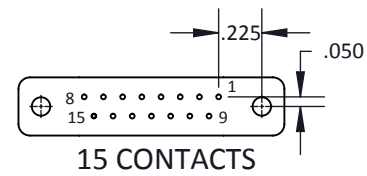
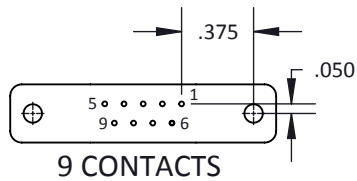
TOLERANCE: .XXX ±.005
.XX ±.01
ANGLE ±1°

TITLE
**MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT**

SHT 3 OF 4

DWG. NO.
MBS

REV
L



RECEPTACLE PCB LAYOUTS

.100 X .100 GRID PATTERN OFFSET .050

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

TITLE

**MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT**

SHT 4 OF 4

DWG. NO.

MBS

REV

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