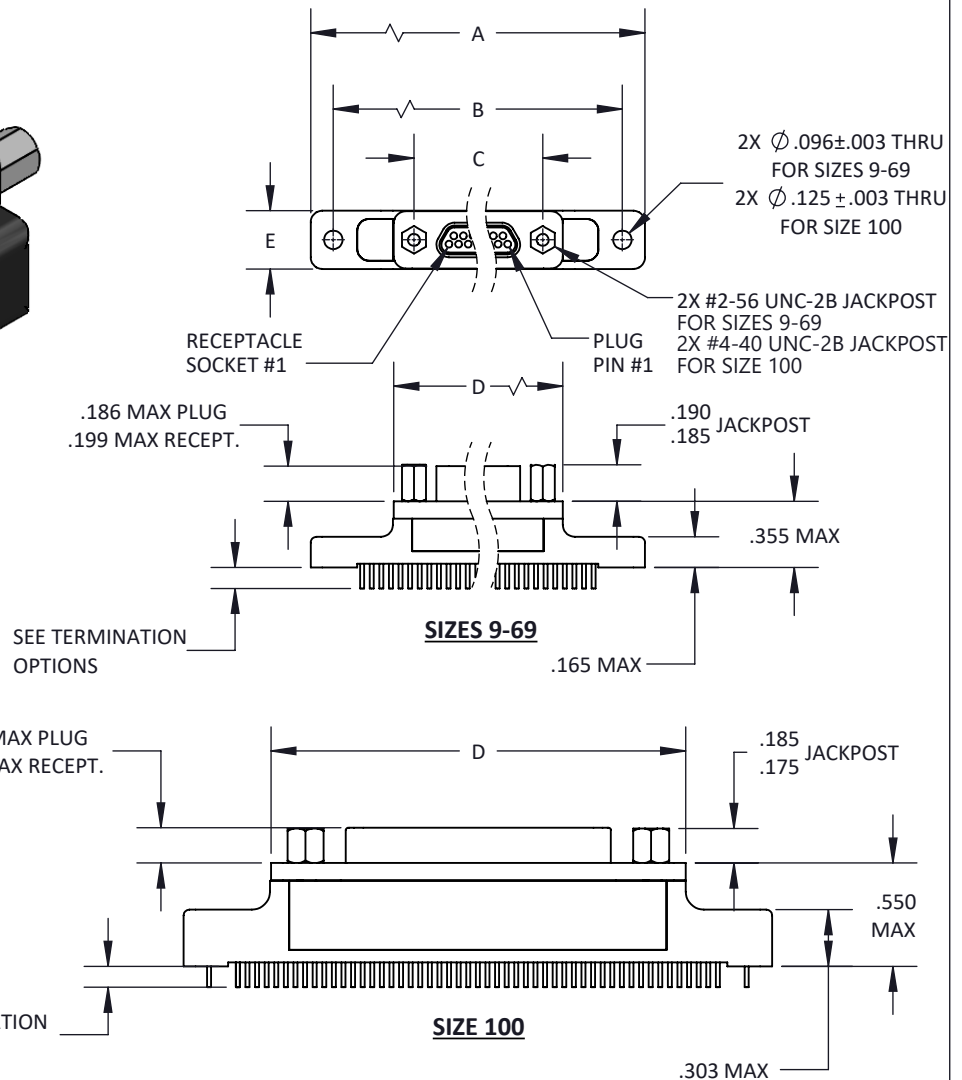


NO. OF CONTACTS	A MAX	B ±.007	C	D MAX	E MAX
9	1.390	1.150	.565	.795	.308
15	1.390	1.150	.715	.945	
21	1.690	1.450	.865	1.095	
25	1.740	1.500	.965	1.195	
31	2.040	1.800	1.115	1.345	
37	2.340	2.100	1.265	1.875	
51	2.270	2.000	1.215	1.775	.351
69	2.870	2.600	1.515	1.735	
100	3.070	2.800	1.800	2.585	



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

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

SHT 1 OF 4

DWG. NO.

MBS

REV
P

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

TERMINATIONS
1 = .109 ±.015
2 = .140 ±.015
3 = .172 ±.015
4 = .190 ±.015
5 = .250 ±.015
6 = .125 ±.015
7 = .375 ±.015
8 = .500 ±.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 OR STAINLESS STEEL
INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
PIN/SOCKET CONTACT - COPPER ALLOY
INTERFACIAL SEAL - 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 ----- 65 mV DROP MAX AT 2.5 AMPS
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 RoHS AND OTHER
CONFIGURATIONS.

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

TITLE

MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT

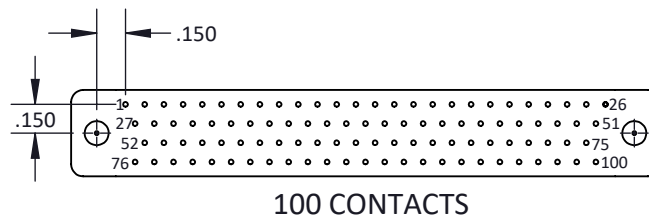
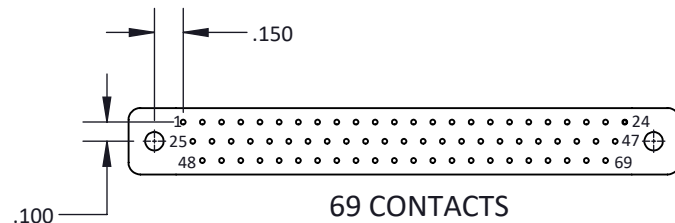
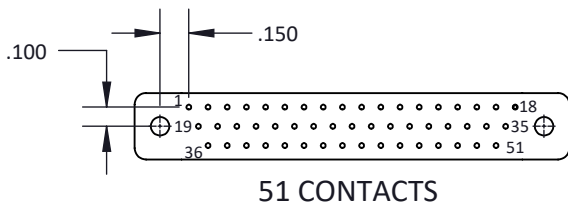
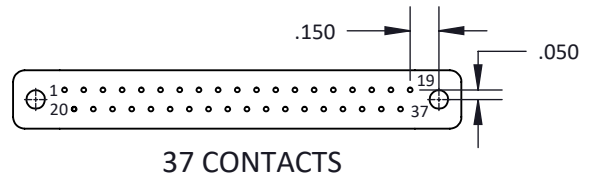
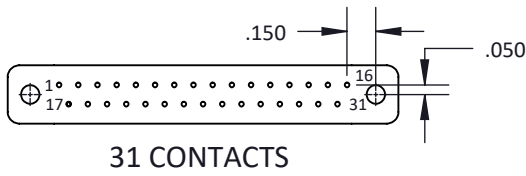
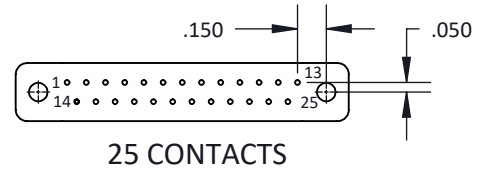
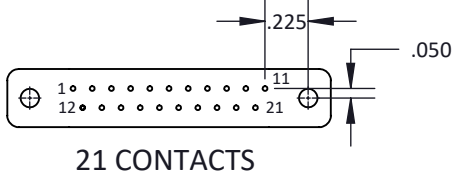
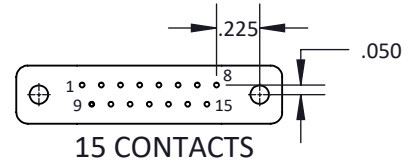
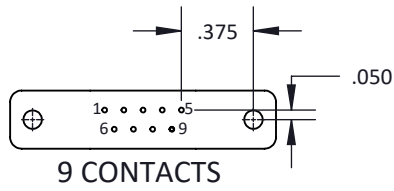
SHT 2 OF 4

DWG. NO.

MBS

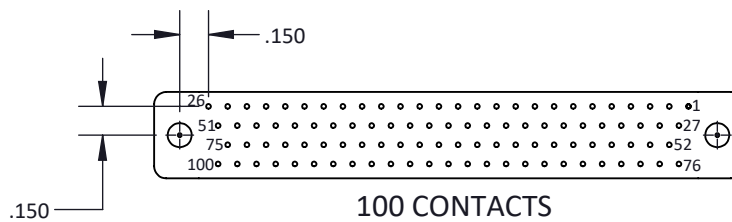
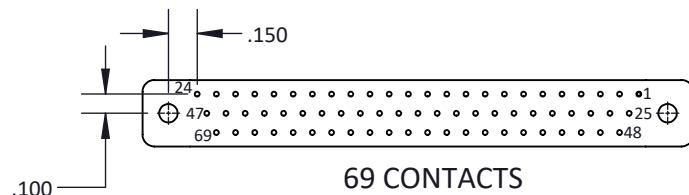
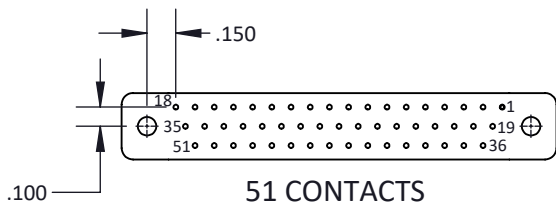
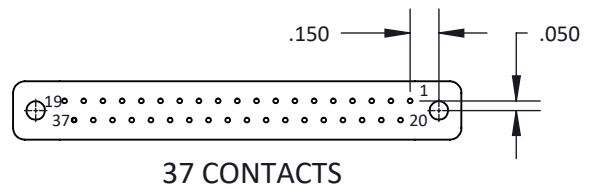
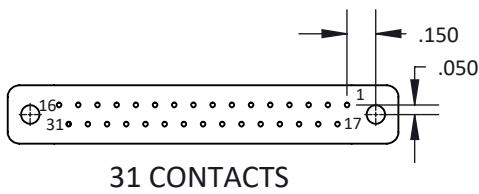
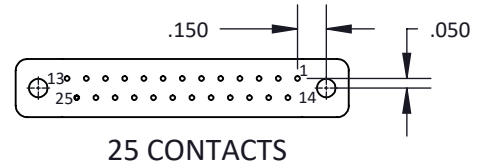
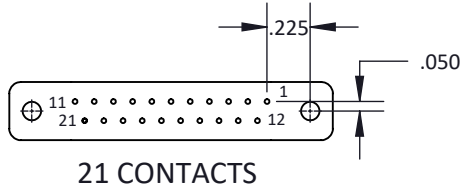
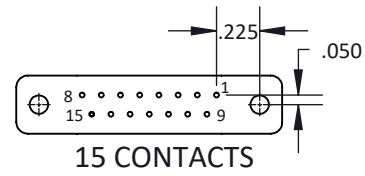
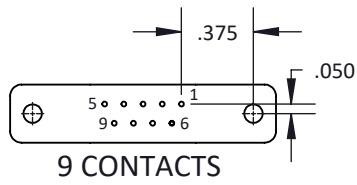
REV

P



PLUG PCB LAYOUTS
.100 X .100 GRID PATTERN OFFSET .050

<p>TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°</p>	<p>TITLE MICRO-D METAL SHELL STRAIGHT BOARD MOUNT</p>	<p>SHT 3 OF 4</p>	<p>DWG. NO. MBS</p>	<p>REV P</p>
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RECEPTACLE PCB LAYOUTS
.100 X .100 GRID PATTERN OFFSET .050

100

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

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

SHT 4 OF 4

DWG. NO.
MBS

REV
P