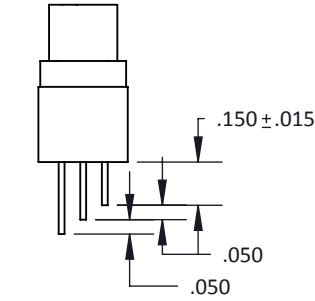
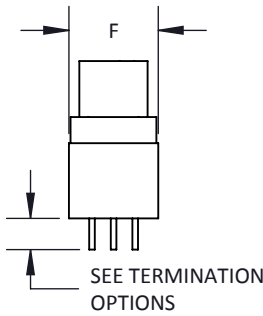


**BODY STYLE #1**

**BODY STYLE #2**

NO. OF POSITIONS	A MAX	B	C MAX	D PLUG	D RECEPT	E MAX	F MAX	G MAX
9	.785	.565	.310	.183	.195	.355	.310	.420
15	.935	.715	.310	.183	.195	.355	.310	.550
21	1.085	.865	.310	.183	.195	.355	.310	.700
25	1.185	.965	.310	.183	.195	.355	.310	.800
31	1.335	1.115	.310	.183	.195	.355	.310	.950
37	1.485	1.265	.310	.183	.195	.355	.310	1.100
51	1.435	1.215	.351	.183	.195	.355	.351	1.090
100	2.170	1.800	.394	.183	.195	.430	.470	1.540



**STAGGERED LEADS**

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

TITLE MICRO-D METAL CONNECTOR,  
VERTICAL BOARD MOUNT,  
.075 X .075 FOOTPRINT

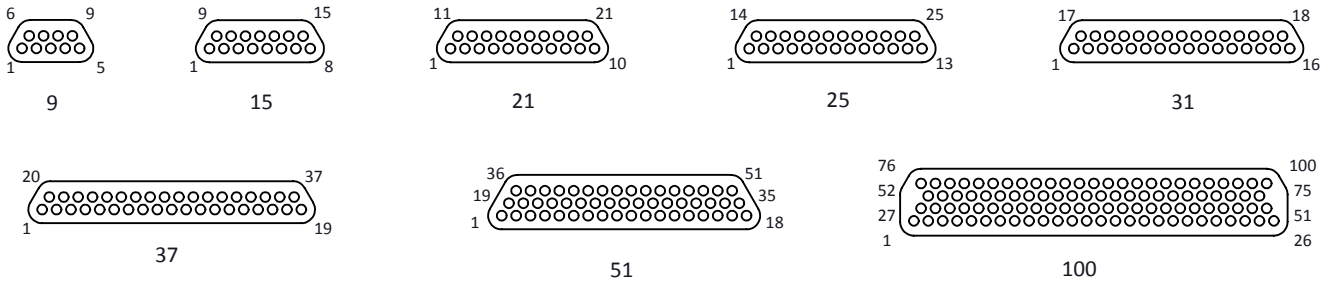
SHT 1 OF 4

DWG. NO.

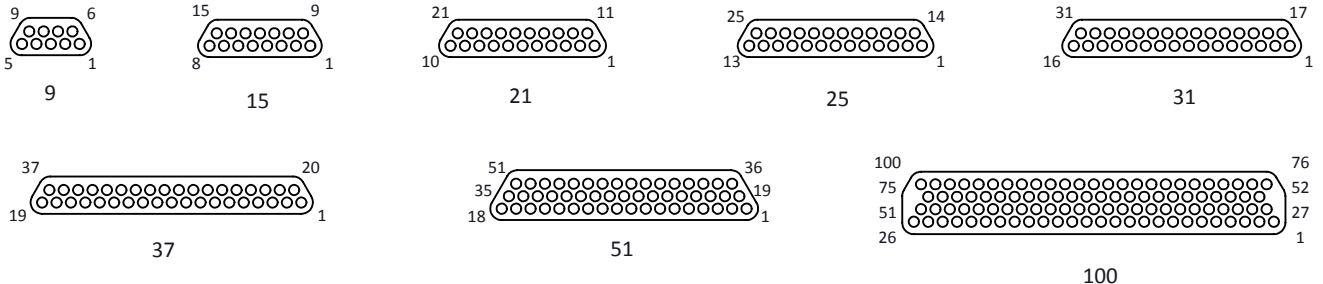
MSV

REV

E



RECEPTACLE MATING FACE



PLUG MATING FACE

MSV - X XXX - X X X - X

MICRO-D METAL SHELL  
VERTICAL MOUNT

GENDER  
1 = RECEPTACLE  
2 = PLUG

NUMBER OF CONTACTS  
009 025 051  
015 031 100  
021 037

HARDWARE  
1 = JACKPOST BODY STYLE #2  
2 = LOW PROFILE HEX JACKSCREW BODY STYLE #1  
3 = JACKPOST BODY STYLE #1  
4 = FLOAT MOUNT BODY STYLE #1  
5 = NO HARDWARE BODY STYLE #1  
6 = NO HARDWARE BODY STYLE #2  
7 = METRIC THREADED INSERT BODY STYLE #2  
8 = JACKPOST AND UN THREADED INSERT BODY STYLE #2  
9 = JACKPOST AND METRIC THREADED INSERT BODY STYLE #2

TERMINATION LENGTH  
1 = .109 ± .015  
2 = .150 ± .015  
3 = .190 ± .015  
4 = .250 ± .015  
5 = STAGGERED TAIL LENGTH

TERMINATION PLATING  
G = GOLD  
T = HOT SOLDER DIP

SHELL FINISH  
ALUMINUM  
A = CADMIUM  
B = ELECTROLESS NICKEL  
C = CHEM FILM  
D = BLACK ANODIZE  
E = GOLD  
STAINLESS STEEL  
P = PASSIVATED

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

1. MATERIALS:  
SHELL - ALUMINUM ALLOY / STAINLESS STEEL  
INSULATOR / BACKSHELL - GLASS FILLED THERMOPLASTIC  
PIN/SOCKET CONTACT - COPPER ALLOY  
INTERFACIAL SEAL - FLUOROSILICONE BLEND

2. FINISH:  
SHELL - ELECTROLESS NICKEL OR CADMIUM OVER  
ELECTROLESS NICKEL OR  
PASSIVATION  
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 CONNECTOR,  
VERTICAL BOARD MOUNT,  
.075 X .075 FOOTPRINT

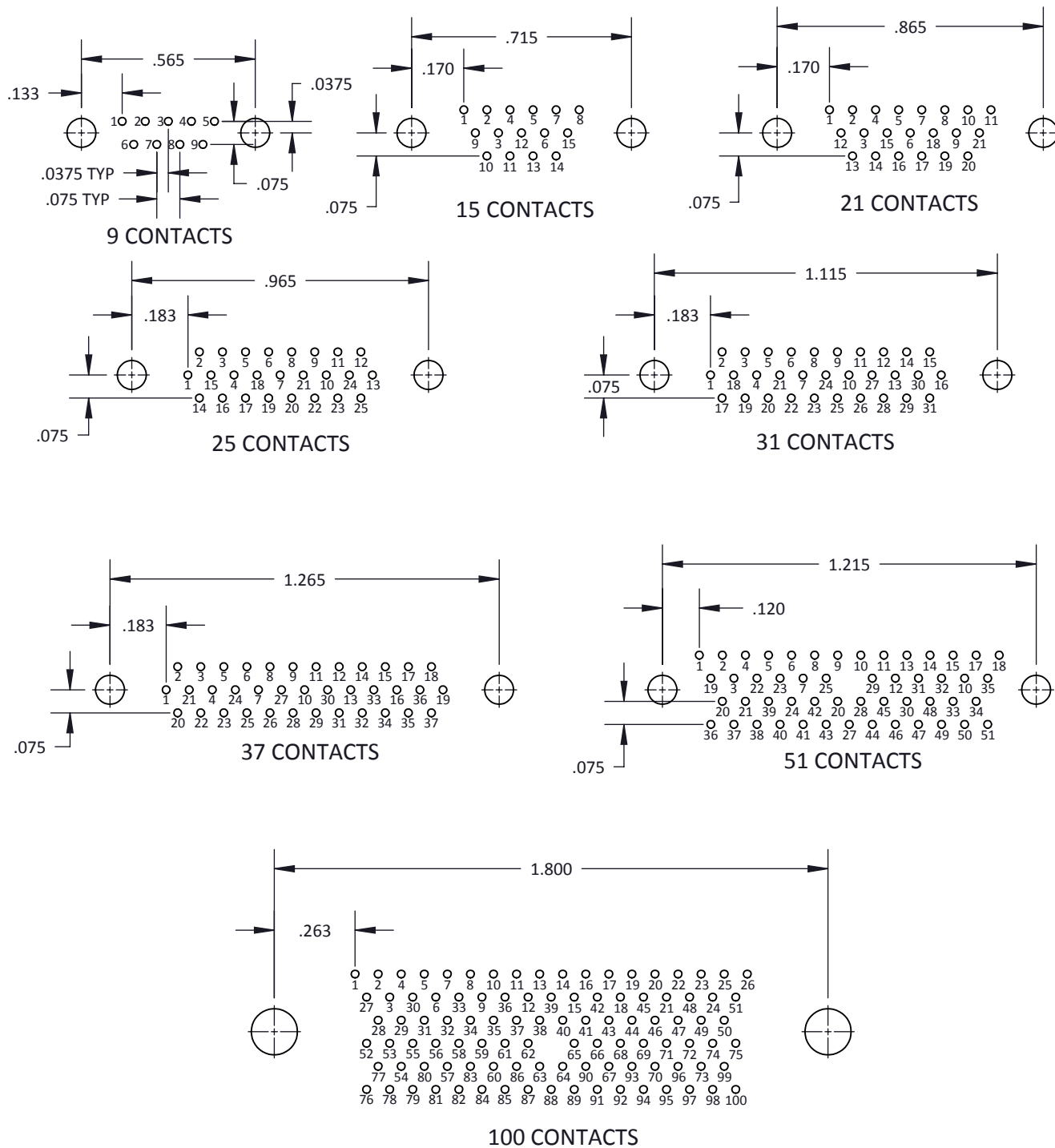
SHT 2 OF 4

DWG. NO.

MSV

REV

E



**MSV PLUG PCB LAYOUTS**  
**.075 x .075 GRID PATTERN**

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

TITLE MICRO-D METAL CONNECTOR,  
VERTICAL BOARD MOUNT,  
.075 X .075 FOOTPRINT

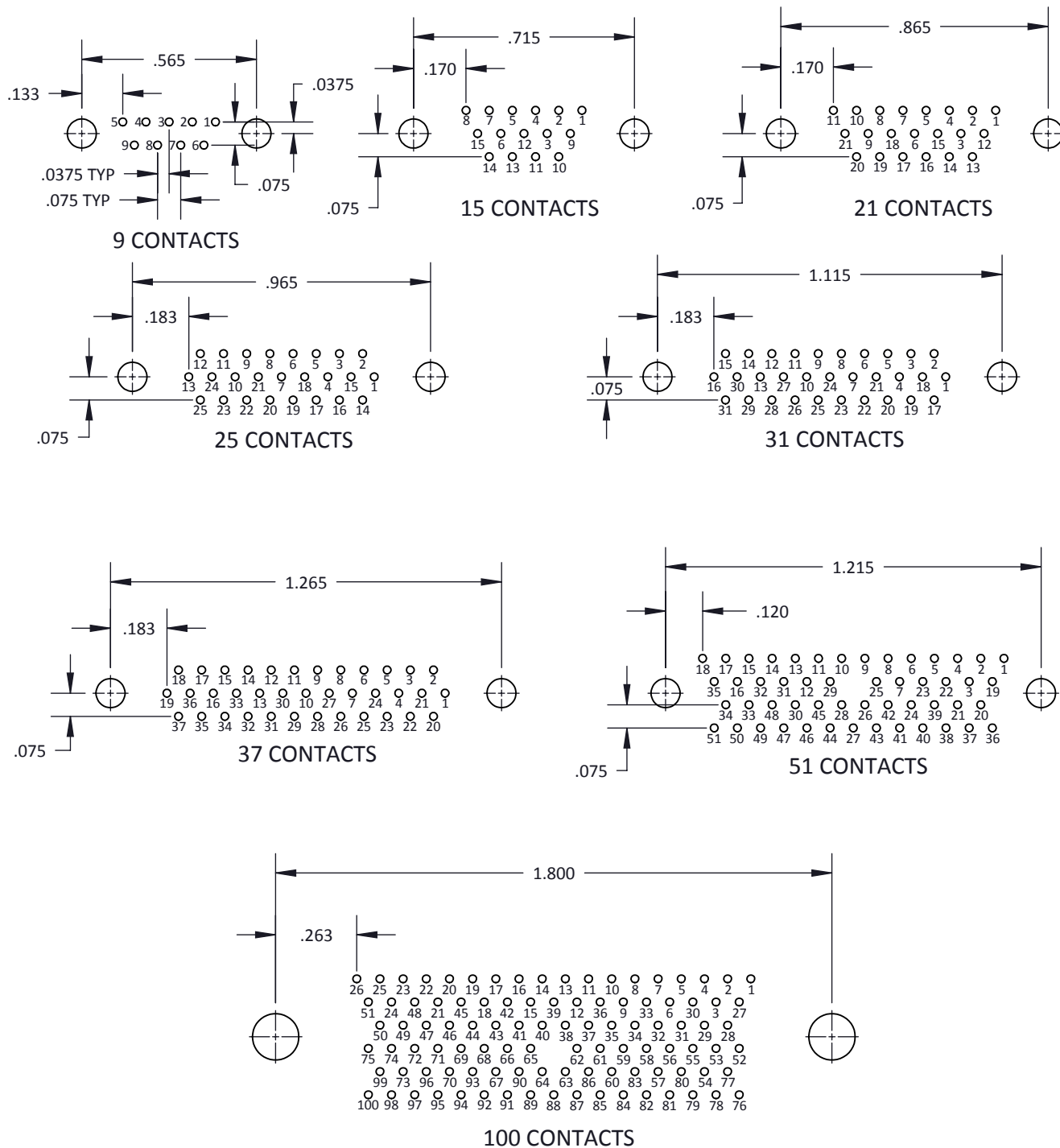
SHT 3 OF 4

DWG. NO.

MSV

REV

E



**MSV RECEPTACLE PCB LAYOUTS**  
**.075 x .075 GRID PATTERN**

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

TITLE MICRO-D METAL CONNECTOR,  
VERTICAL BOARD MOUNT,  
.075 X .075 FOOTPRINT

SHT 4 OF 4

DWG. NO.

MSV

REV

E