

NO. OF POSITIONS	A ±.010	B MAX PLUG	B MAX RECEPT	C SHELL POTTING WELL	(D) REF	E SHELL POTTING WELL MAX	H ±.010	HARDWARE
9	.775	.334	.400	.390	.565	.270	.298	#2-56 UNC THD
15	.925	.484	.550	.540	.715			
21	1.075	.634	.700	.690	.865			
25	1.175	.734	.800	.790	.965			
31	1.325	.884	.950	.940	1.115			
37	1.475	1.034	1.100	1.090	1.265			

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

TITLE MICRO-D METAL PC BOARD MOUNT
SMT CONNECTOR
.025" PITCH

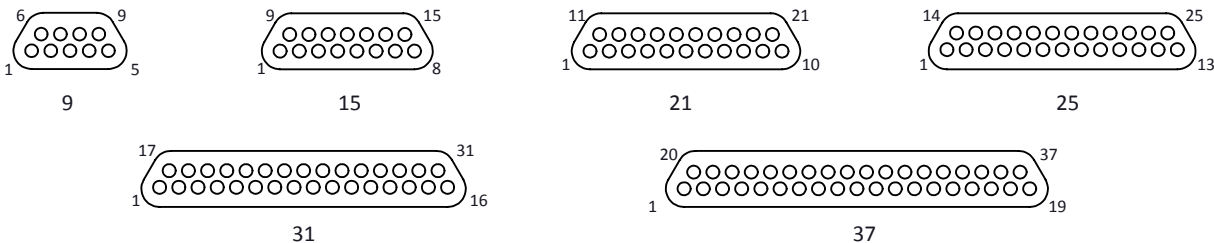
SHT 1 OF 3

DWG. NO.

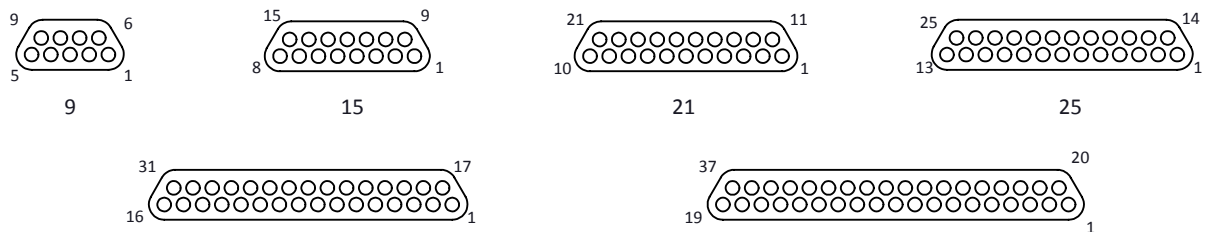
MSM

REV

F



RECEPTACLE MATING FACE



PLUG MATING FACE

MSM - X XXX - X X X - X

MICRO-D METAL SHELL
SURFACE MOUNT

GENDER
1 = RECEPTACLE
2 = PLUG

NUMBER OF CONTACTS
009 025
015 031
021 037

HARDWARE
1 = THROUGH HOLE BRACKET/ JACKPOST
2 = THROUGH HOLE BRACKET / CAPTURED HEX JACKSCREW
3 = NO BRACKET / THREADED INSERT IN SHELL
4 = THREADS IN BRACKET / JACKPOST
5 = THREADS IN BRACKET / CAPTURED HEX JACKSCREW

SHELL FINISH
ALUMINUM
A = CADMIUM
B = ELECTROLESS NICKEL
C = ANODIZE
STAINLESS STEEL
P = PASSIVATED

SHELL POLARIZATION
S = STANDARD BODY
R = REVERSE BODY

TERMINATION PLATING
G = GOLD
T = HOT SOLDER DIP

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

1. MATERIALS:

SHELL - ALUMINUM ALLOY / STAINLESS STEEL
INSULATOR / LEAD ORGANIZER - 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 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 PC BOARD MOUNT
SMT CONNECTOR
.025" PITCH

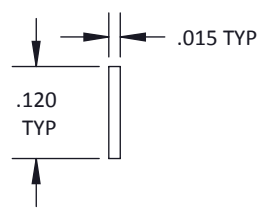
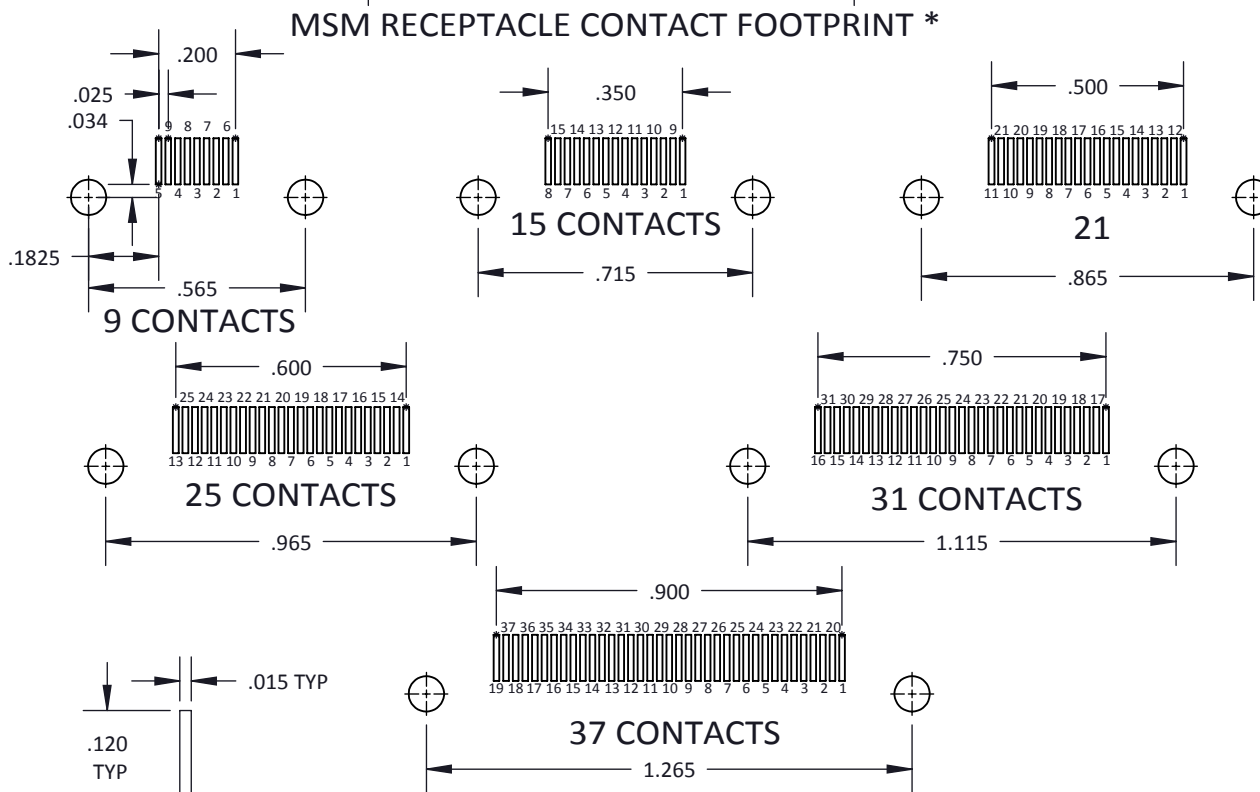
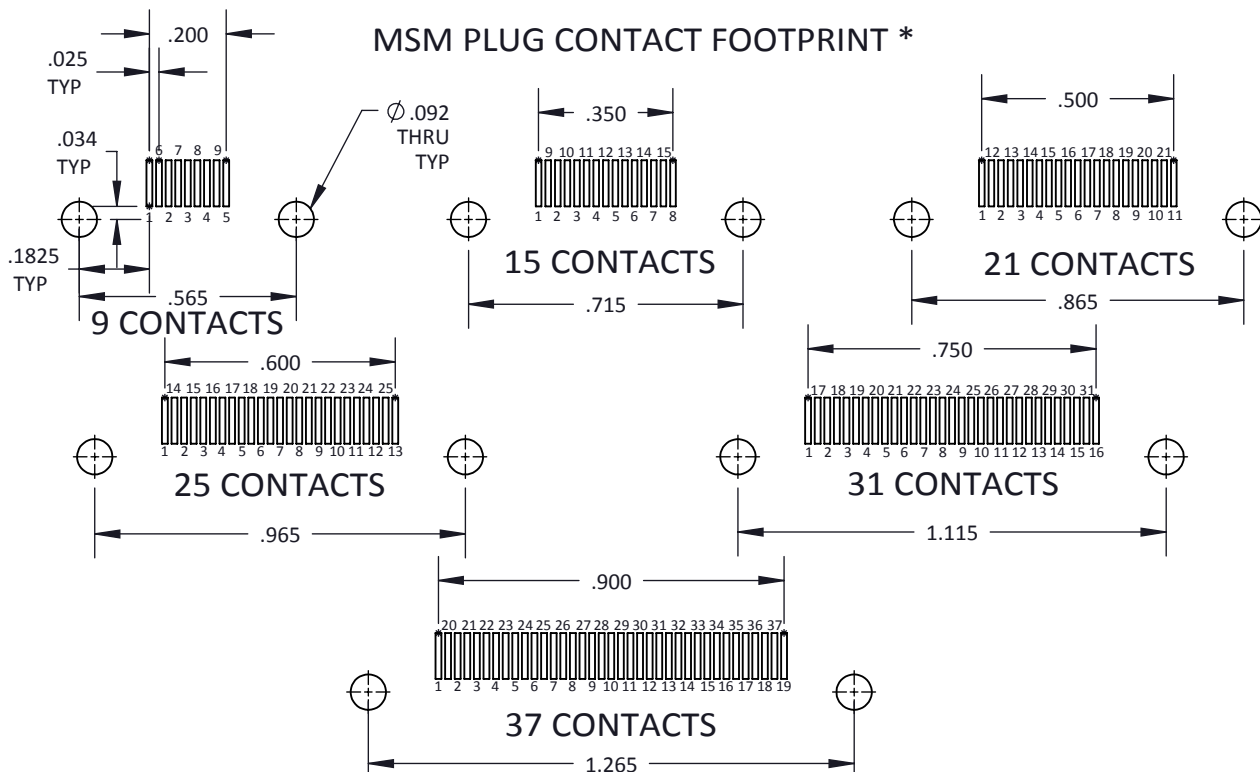
SHT 2 OF 3

DWG. NO.

MSM

REV

F



CONTACT FOOTPRINT LENGTHS (TYPICAL)
(MEASUREMENT SHOWN FROM CENTER OF CONTACT TO LEAD END)

* FOOTPRINT PATTERN REVERSED FOR REVERSED SHELL POLARIZATION

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL PC BOARD MOUNT SMT CONNECTOR .025" PITCH	SHT 3 OF 3	DWG. NO. MSM	REV F
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