

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

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

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

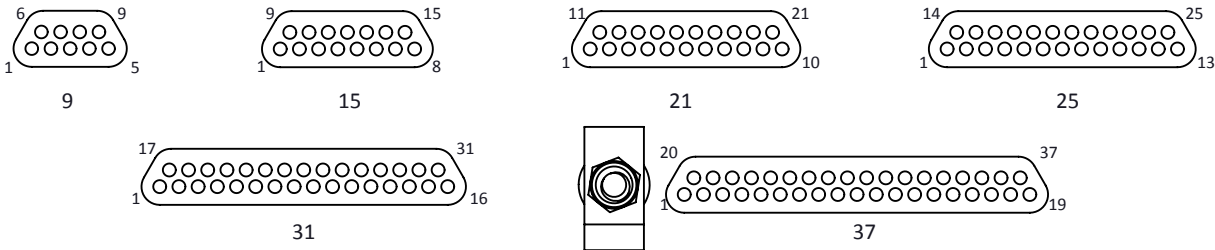
SHT 1 OF 3

DWG. NO.

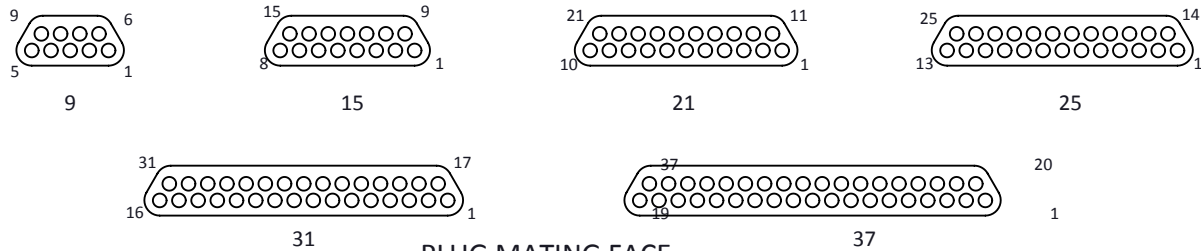
MSM

REV

C



RECEPTACLE MATING FACE



PLUG MATING FACE

MSM - X XXX - XX 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 = BRACKET/JACKPOST
2 = BRACKET/CAPTURED HEX JACKSCREW
3 = THREADED INSERT IN SHELL
T = THREADED INSERT IN BRACKET
FOLLOWS ABOVE NUMBERS,
0 IF NOT USED.

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
PASSIVATED
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

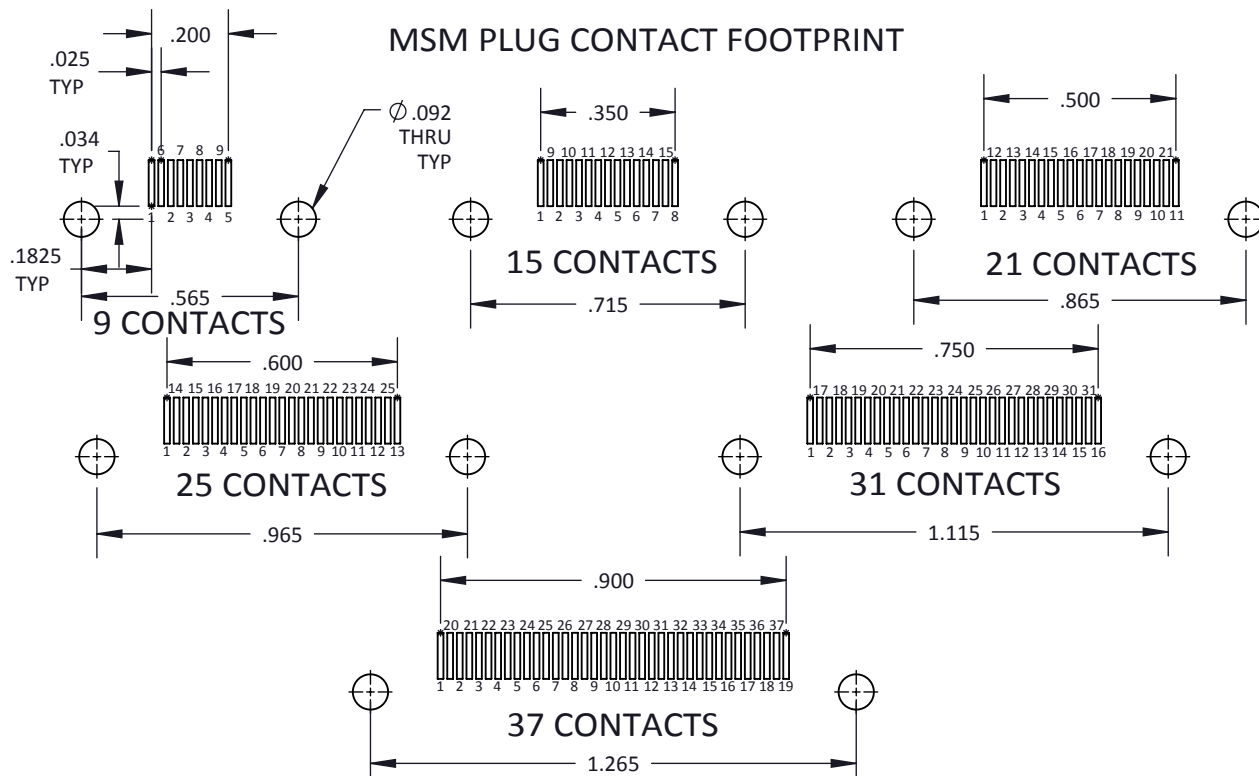
DWG. NO.

MSM

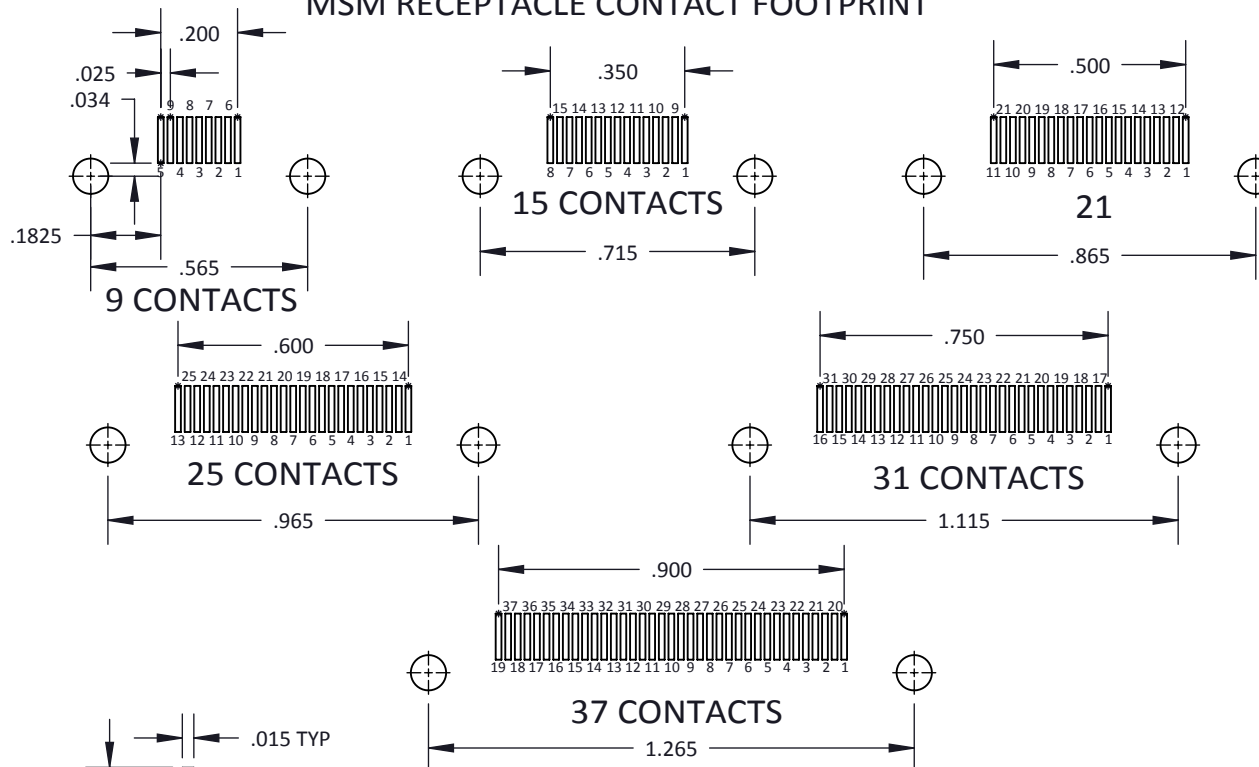
REV

C

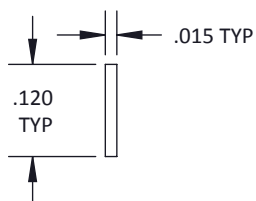
MSM PLUG CONTACT FOOTPRINT



MSM RECEPTACLE CONTACT FOOTPRINT



CONTACT FOOTPRINT LENGTHS (TYPICAL)
(MEASUREMENT SHOWN FROM CENTER OF CONTACT TO
LEAD END AND IS FOR .020 LEAD TO EDGE OPTION)



TOLERANCE: .XXX $\pm .005$
.XX $\pm .01$
ANGLE $\pm 1^\circ$

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

SHT 3 OF 3

DWG. NO.

MSM

REV

C