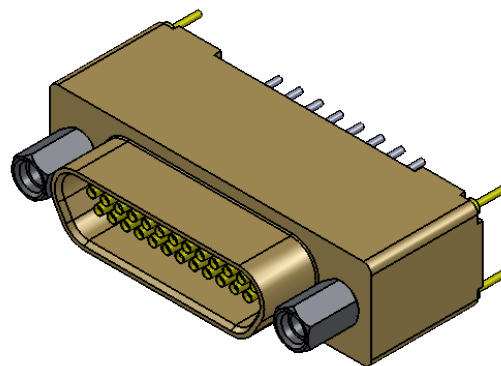
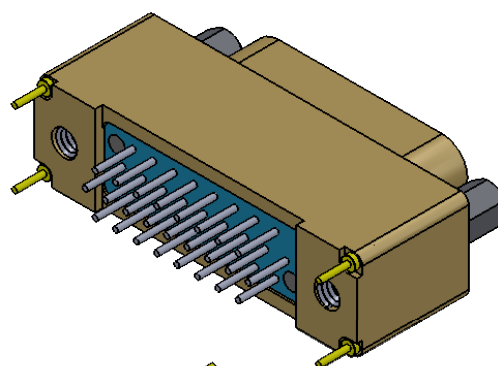


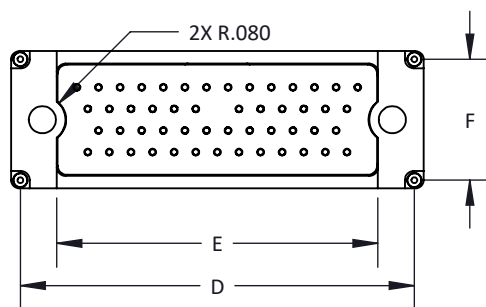
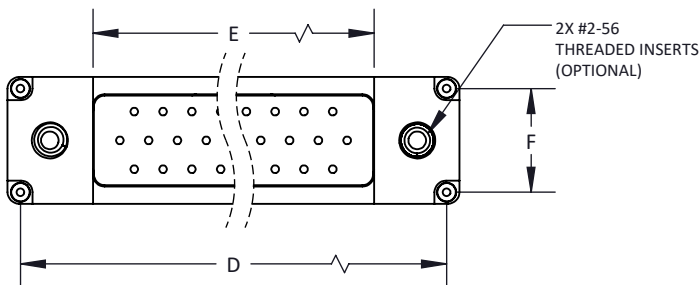
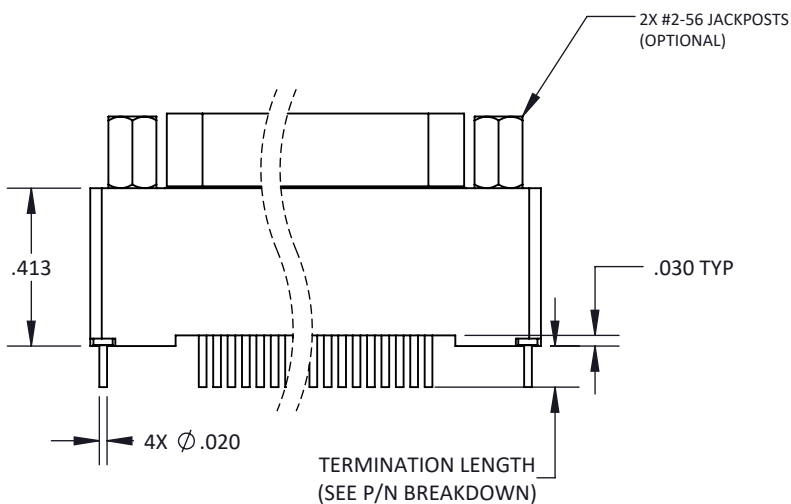
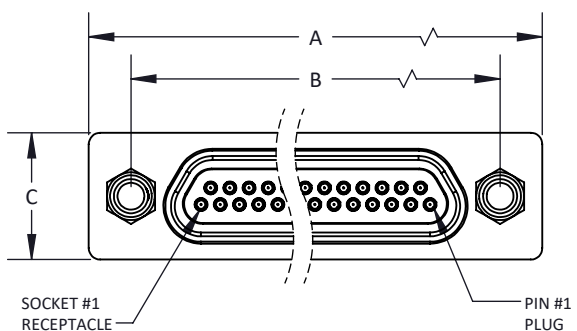
NO. OF CONTACTS	A	B BSC	C	D BSC	E	F BSC
9	.785	.565	.330	.718	.416	.270
15	.935	.715	.330	.868	.570	.270
21	1.085	.865	.330	1.018	.718	.270
25	1.185	.965	.330	1.118	.740	.270
31	1.335	1.115	.330	1.268	.890	.270
37	1.485	1.265	.330	1.418	1.040	.270
51	1.435	1.215	.480	1.368	1.115	.420
69	1.737	1.515	.480	1.670	1.190	.420



RECEPTACLE



PLUG



SIZE 51 ONLY

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

TITLE  
**MICRO-D METAL SHELL,  
VERTICAL BOARD MOUNT,  
CONDENSED, GROUNDING**

SHT 1 OF 4

DWG. NO.  
GMV

REV  
**B**



# MICRO-D METAL SHELL, VERTICAL BOARD MOUNT, CONDENSED, GROUNDING

**GMV - X XXX - X X X - EMI**

METAL MICRO-D VERTICAL BOARD MOUNT CONDENSED GROUNDING

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

NUMBER OF CONTACTS  
 009 025 051  
 015 031 069  
 021 037

HARDWARE  
 FLANGE MTN. HOLES/BOARD MOUNT MNT HOLES  
 0 = Ø .094 HOLE THRU  
 1 = 2-56 JACKPOST / Ø .094  
 2 = 2-56 JACKPOST / 2-56 INSERT  
 3 = 2-56 INSERT / 2-56 INSERT

SHELL FINISH  
ALUMINUM  
 A = CADMIUM  
 B = NICKEL  
 G = GOLD  
STAINLESS STEEL  
 P = PASSIVATED

TERMINATIONS  
 1 = .109 ±.015  
 2 = .140 ±.015  
 3 = .172 ±.015  
 4 = .190 ±.015  
 5 = .250 ±.015

ALL 24 AWG (.020 DIA)  
 HOT SOLDER DIPPED

EMI SPRINGS (PLUG ONLY)  
 OMIT IF NOT USED

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

**1. MATERIALS:**

SHELL - SEE OPTIONS ABOVE  
 INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC  
 PIN/SOCKET CONTACT - COPPER ALLOY  
 GROUND PINS - BRASS  
 INTERFACIAL SEAL - FLUOROSILICONE BLEND  
 HARDWARE - STAINLESS STEEL

**2. FINISH:**

SHELL - SEE OPTIONS ABOVE  
 PIN/SOCKET CONTACT - GOLD OVER NICKEL  
 HARDWARE - PASSIVATED  
 GROUND PINS - SOLDER DIPPED

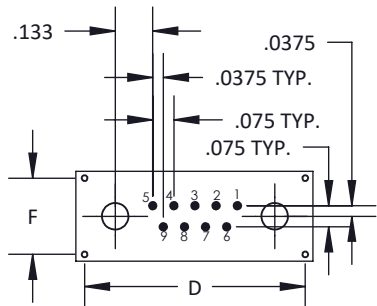
**3. SPECIFICATIONS:**

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

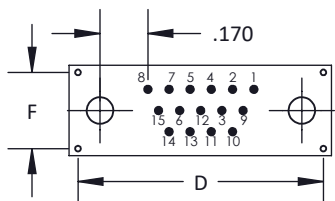
**4. ADDITIONAL INFORMATION:**

DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH M83513 WHERE APPLICABLE. CONTACT CRISTEK FOR RoHS AND OTHER CONFIGURATIONS.

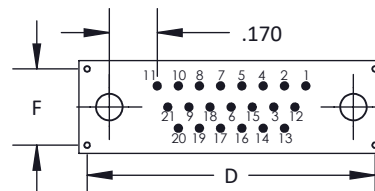
TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE <b>MICRO-D METAL SHELL, VERTICAL BOARD MOUNT, CONDENSED, GROUNDING</b>	SHT 2 OF 4	DWG. NO. <b>GMV</b>	REV <b>B</b>
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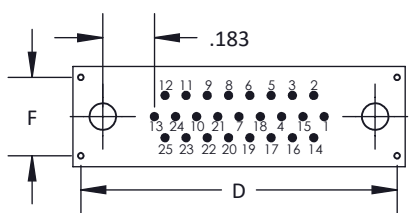
9 CONTACTS



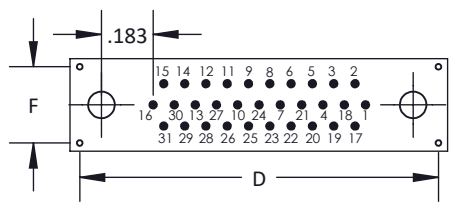
15 CONTACTS



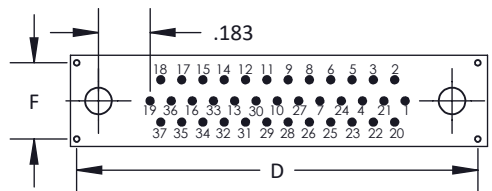
21 CONTACTS



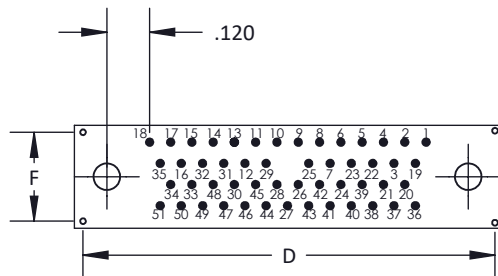
25 CONTACTS



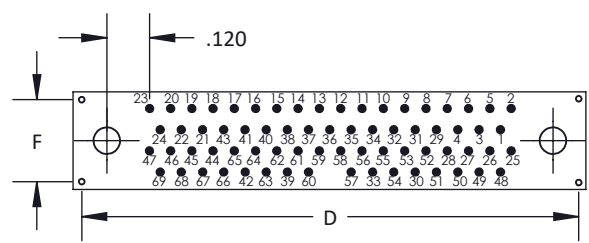
31 CONTACTS



37 CONTACTS



51 CONTACTS



69 CONTACTS

GMV RECEPTACLE PCB LAYOUTS  
.075 X .075 GRID PATTERN OFFSET BY .0375

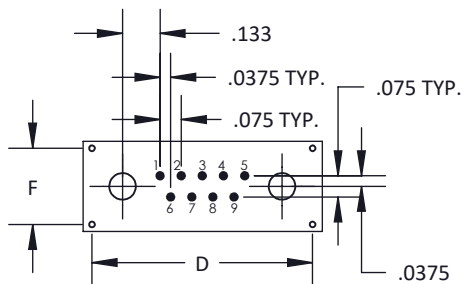
TOLERANCE: .XXX ±.005  
.XX ±.01  
ANGLE ±1°

TITLE MICRO-D METAL SHELL,  
VERTICAL BOARD MOUNT,  
CONDENSED, GROUNDING

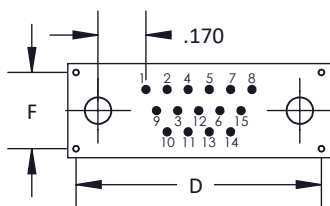
SHT 3 OF 4

DWG. NO. GMV

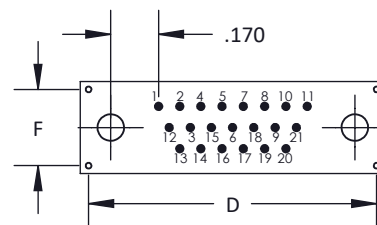
REV B



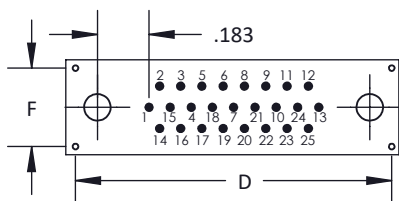
9 CONTACTS



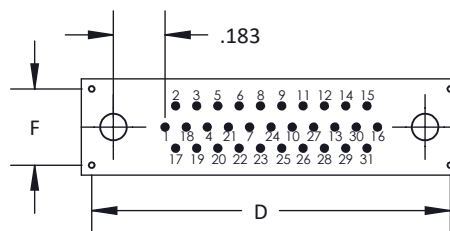
15 CONTACTS



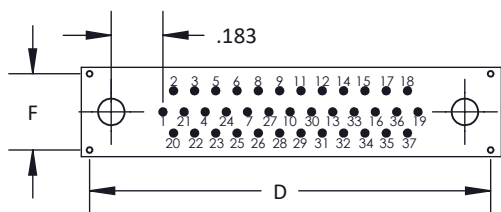
21 CONTACTS



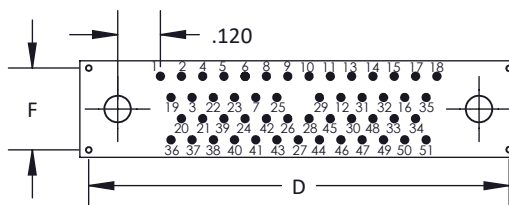
25 CONTACTS



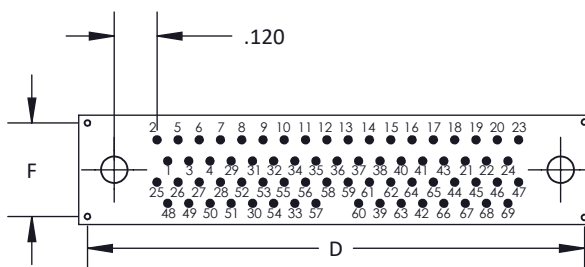
31 CONTACTS



37 CONTACTS



51 CONTACTS



69 CONTACTS

GMV PLUG PCB LAYOUTS  
.075 X .075 GRID PATTERN OFFSET BY .0375

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

TITLE MICRO-D METAL SHELL,  
VERTICAL BOARD MOUNT,  
CONDENSED, GROUNDING

SHT 4 OF 4

DWG. NO. GMV

REV B