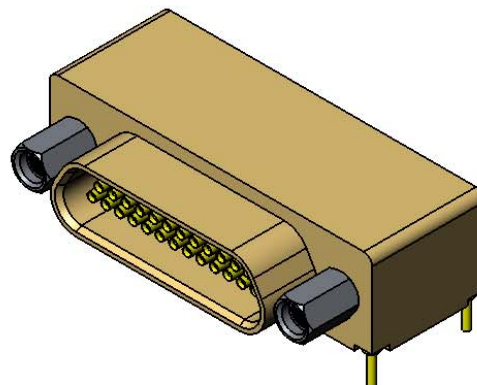
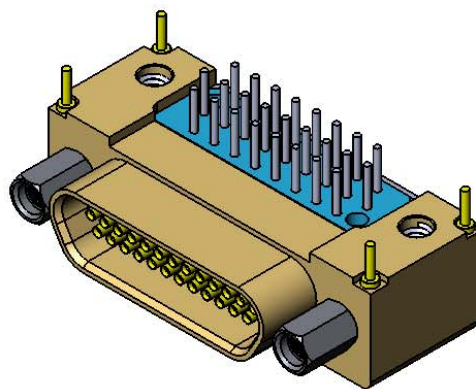
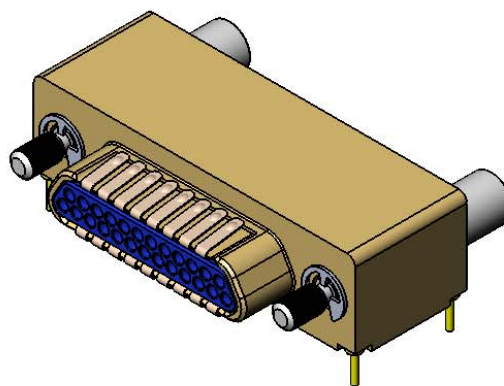
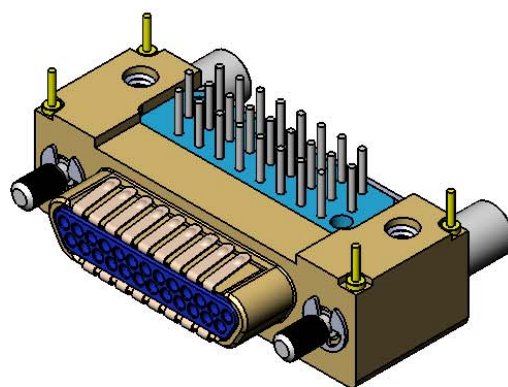


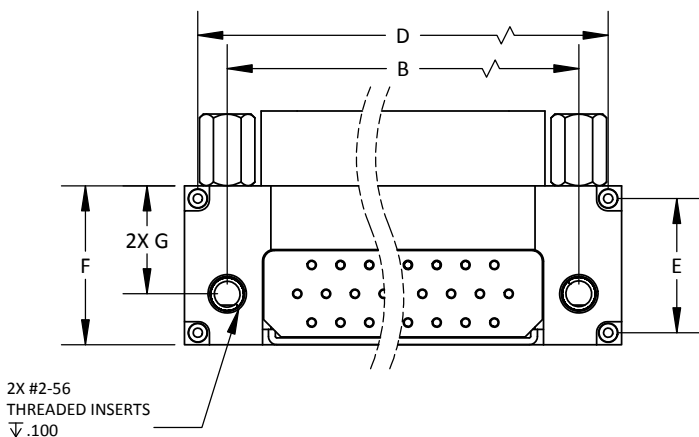
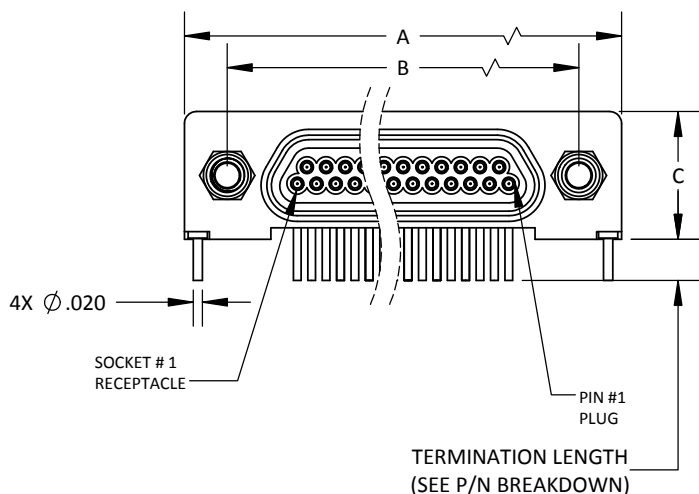
NO. OF CONTACTS	A	B	C	D	E	F	G
9	.785	.565	.330	.718	.350	.413	.281
15	.935	.715	.330	.868	.350	.413	.281
21	1.085	.865	.330	1.018	.350	.413	.281
25	1.185	.965	.330	1.118	.350	.413	.281
31	1.335	1.115	.330	1.268	.350	.413	.281
37	1.485	1.265	.330	1.418	.350	.413	.281
51	1.635	1.215	.370	1.568	.430	.493	.319
69	1.735	1.515	.370	1.668	.430	.493	.319
100	2.170	1.800	.413	2.103	.560	.623	.381



RECEPTACLE



PLUG



TOLERANCE: .XXX \pm .005
 .XX \pm .01
 ANGLE \pm 1°

TITLE
 MICRO-D METAL SHELL,
 RIGHT ANGLE BOARD MOUNT,
 CONDENSED, GROUNDING

SHT 1 OF 4

DWG. NO.

GMR

REV
B



MICRO-D METAL SHELL, RIGHT ANGLE BOARD MOUNT, CONDENSED, GROUNDING

GMR - X XXX - X X X - EMI

METAL MICRO-D RIGHT ANGLE 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
 0 = Ø .094 HOLE THRU
 1 = 2-56 JACKPOST
 2 = 2-56 JACKSCREW
 3 = 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 - ALUMINUM ALLOY OR STAINLESS STEEL
 INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
 PIN/SOCKET CONTACT - COPPER ALLOY
 INTERFACIAL SEAL - FLUOROSILICONE BLEND
 HARDWARE - STAINLESS STEEL

2. FINISH:

SHELL - SEE OPTIONS ABOVE
 PIN/SOCKET CONTACT - GOLD OVER NICKEL
 HARDWARE - PASSIVATED

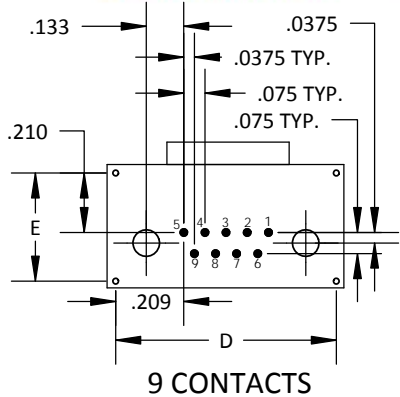
3. SPECIFICATIONS:

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

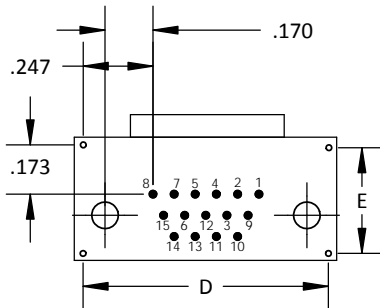
4. ADDITIONAL INFORMATION:

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

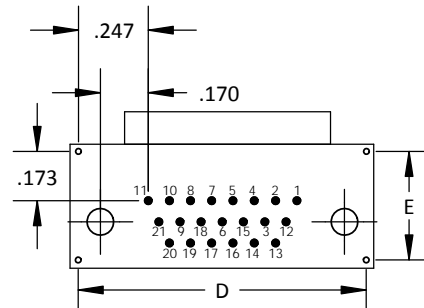
TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL SHELL, RIGHT ANGLE BOARD MOUNT, CONDENSED, GROUNDING	SHT 2 OF 4	DWG. NO. GMR	REV B
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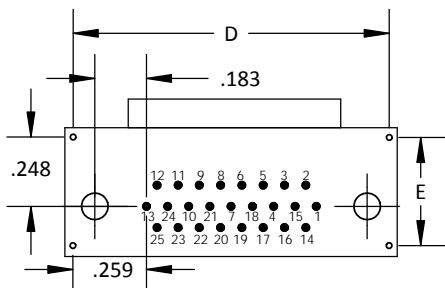
9 CONTACTS



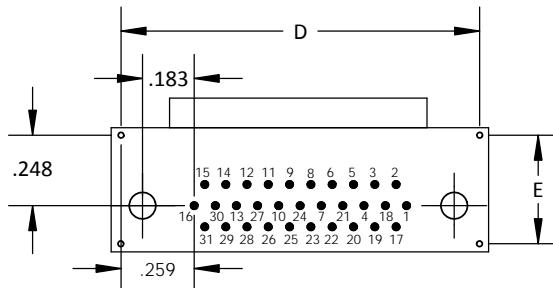
15 CONTACTS



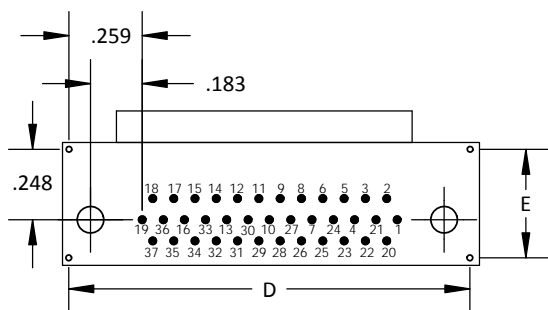
21 CONTACTS



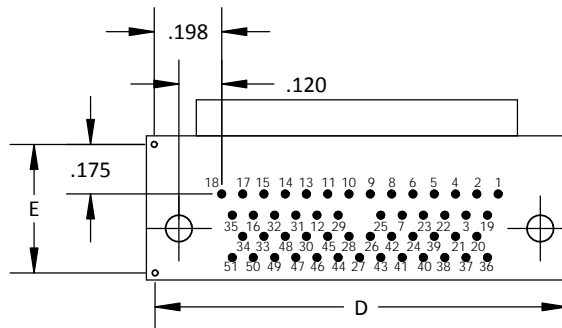
25 CONTACTS



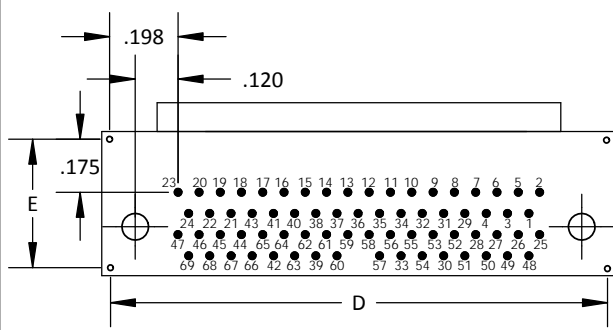
31 CONTACTS



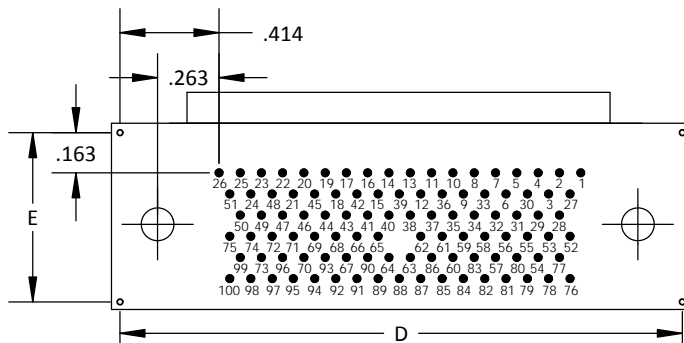
37 CONTACTS



51 CONTACTS



69 CONTACTS



100 CONTACTS

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

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

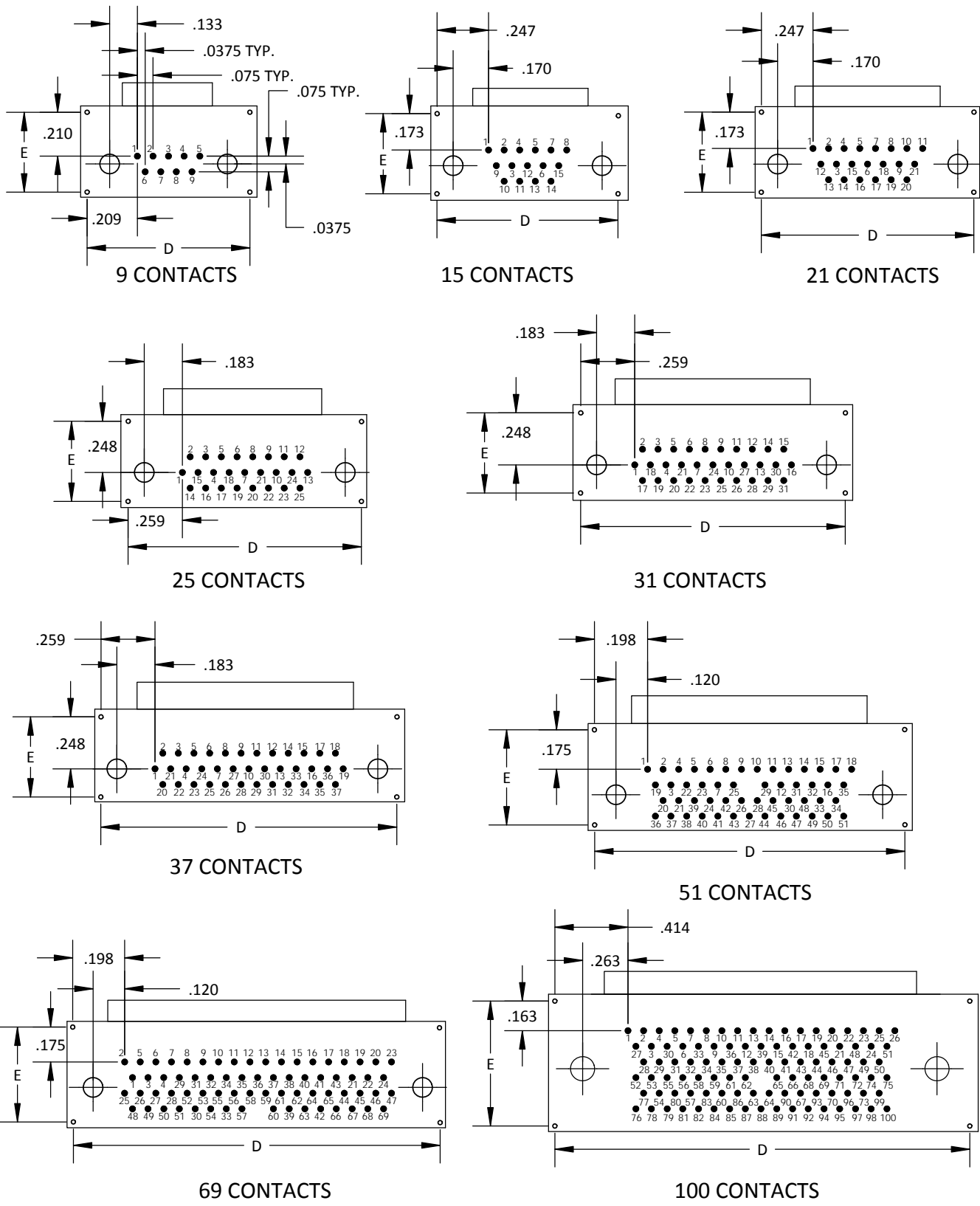
TITLE MICRO-D METAL SHELL,
RIGHT ANGLE BOARD MOUNT,
CONDENSED, GROUNDING

SHT 3 OF 4

DWG. NO.

GMR

REV
B



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

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL SHELL, RIGHT ANGLE BOARD MOUNT, CONDENSED, GROUNDING	SHT 4 OF 4	DWG. NO. GMR	REV B
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