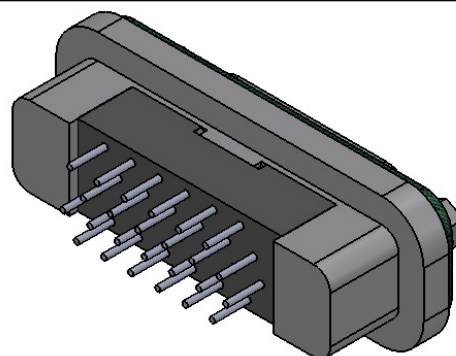
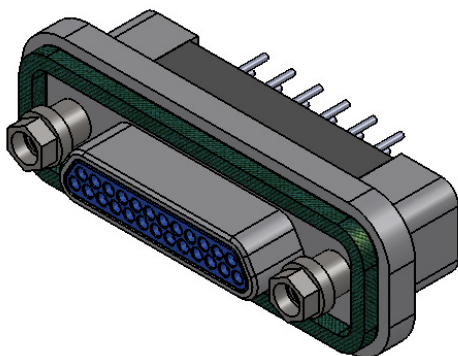


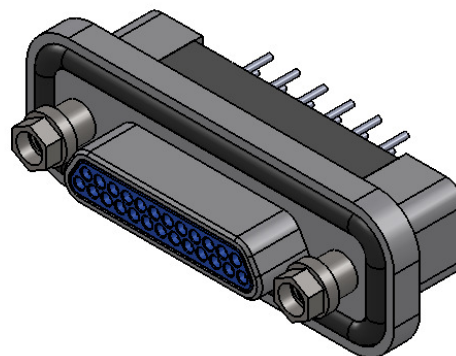
NO. OF CONTACTS	A ±.005	B BSC	C		D	E
			O-RING	SQUARE GASKET		
9	.957	.565	.480	.480	.773	.298
15	1.107	.715	.480	.480	.923	.298
21	1.257	.865	.480	.480	1.073	.298
25	1.357	.965	.480	.480	1.173	.298
31	1.507	1.115	.480	.480	1.323	.298
37	1.657	1.265	.480	.480	1.473	.298
51	1.657	1.215	.523	.561	1.477	.440
69	1.957	1.515	.523	.561	1.777	.440
100	2.383	1.800	.600	.638	2.219	.515



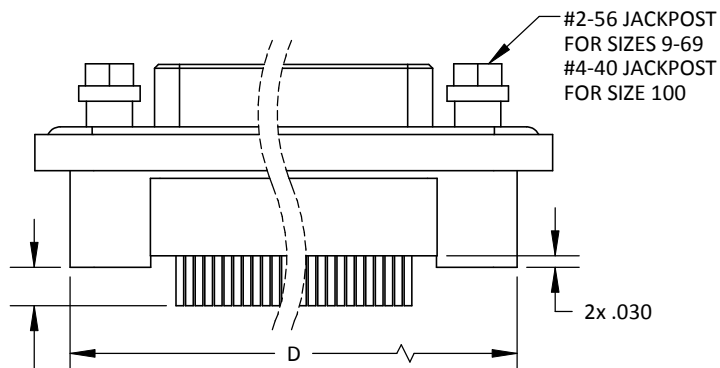
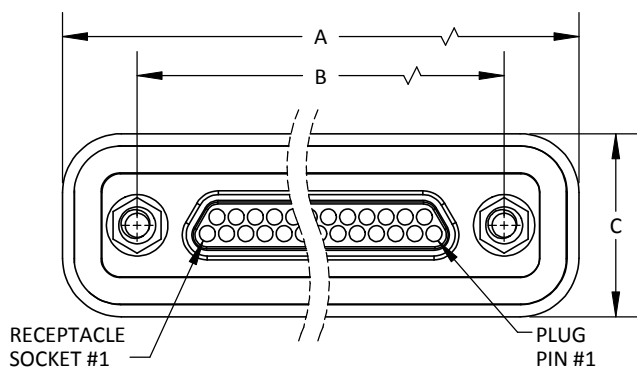
REAR VIEW



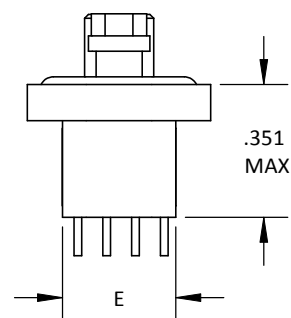
WITH GASKET



WITH O-RING



SEE TERMINATION
OPTIONS



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

TITLE
MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT,
CONDENSED, W/ O-RING/GASKET

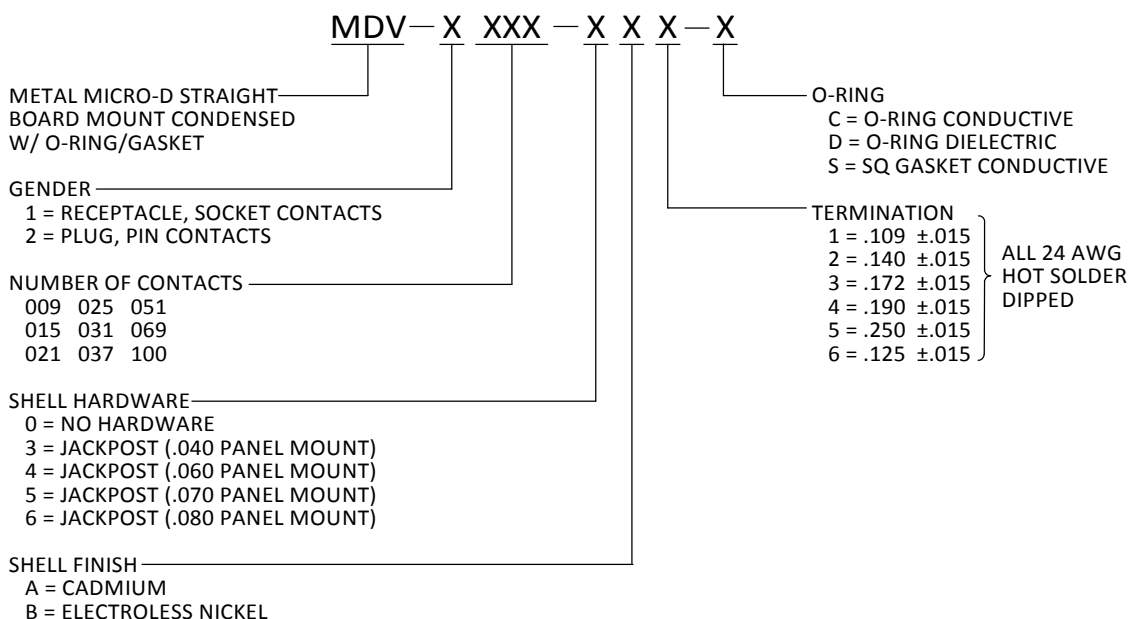
SHT 1 OF 4

DWG. NO.
MDV

REV
E



MICRO-D METAL SHELL, STRAIGHT BOARD MOUNT, CONDENSED, W/ O-RING/GASKET



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

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

2. FINISH:
SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
PIN/SOCKET CONTACT - GOLD OVER NICKEL

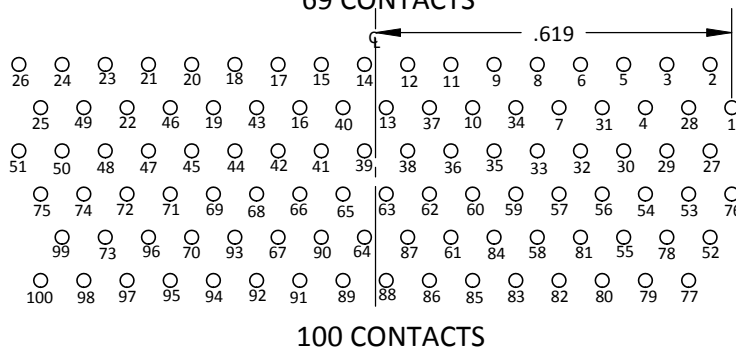
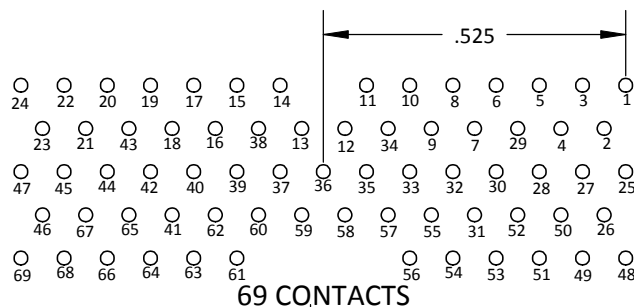
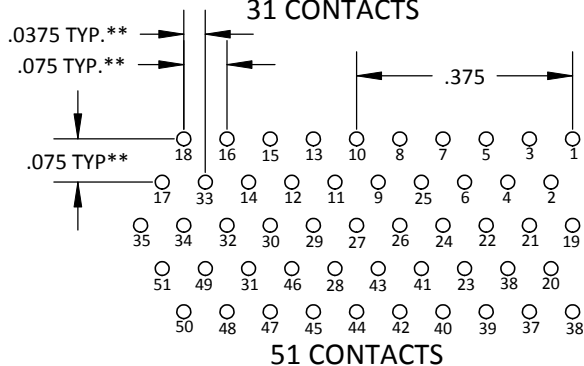
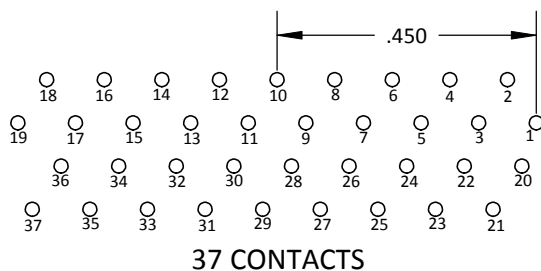
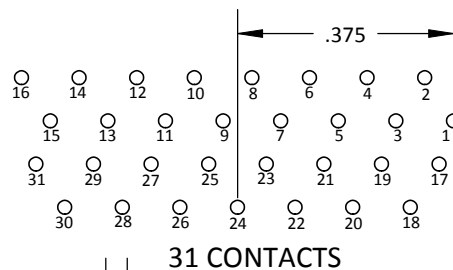
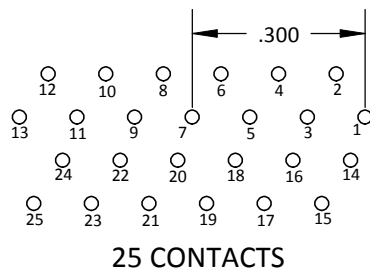
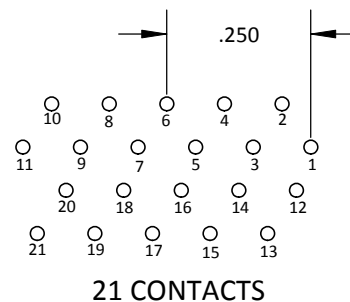
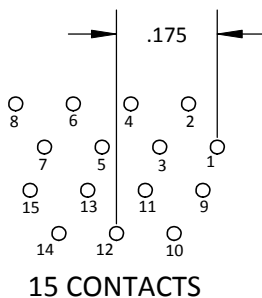
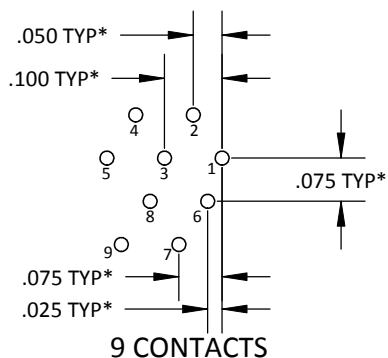
3. SPECIFICATIONS:
CURRENT RATING ----- 3 AMPS MAX
TEMPERATURE RATING ----- -55° C TO +125° C
INSULATION RESISTANCE ----- 5000 MEGOHMS MIN
DWV AT SEA LEVEL ----- 600 VAC
DWV AT 70,000 FT ALTITUDE --- 150 VAC
CONTACT RESISTANCE ----- 24 AWG = 25 MILLIOHMS MAX
CONTACT RETENTION ----- 5 lb MINIMUM AXIAL 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 SHELL STRAIGHT BOARD MOUNT, CONDENSED, W/ O-RING/GASKET	SHT 2 OF 4	DWG. NO. MDV	REV E
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MICRO-D METAL SHELL, STRAIGHT BOARD MOUNT, CONDENSED, W/ O-RING/GASKET



MDV RECEPTACLE PCB LAYOUTS

* SIZES 9-37: .100 X .075 GRID PATTERN OFFSET BY .050

** SIZES 51-100: .075 X .075 GRID PATTERN OFFSET BY .0375

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

TITLE MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT,
CONDENSED, W/ O-RING/GASKET

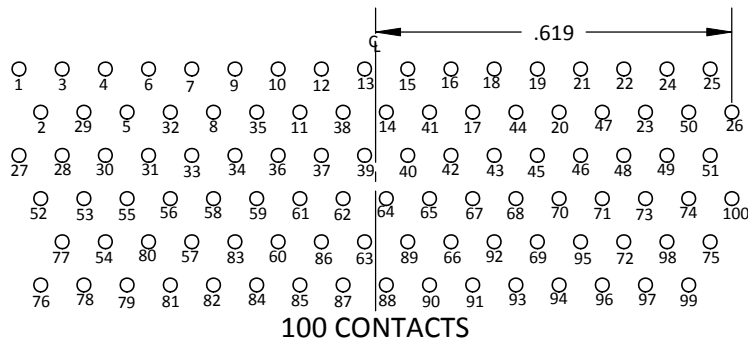
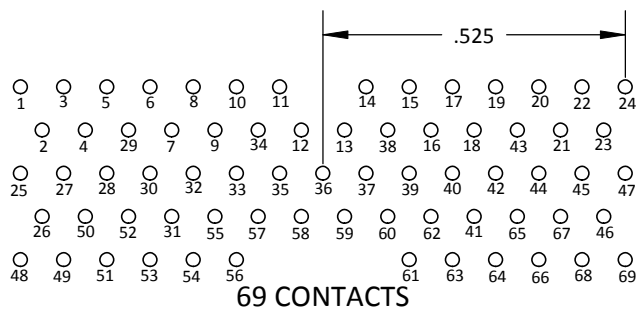
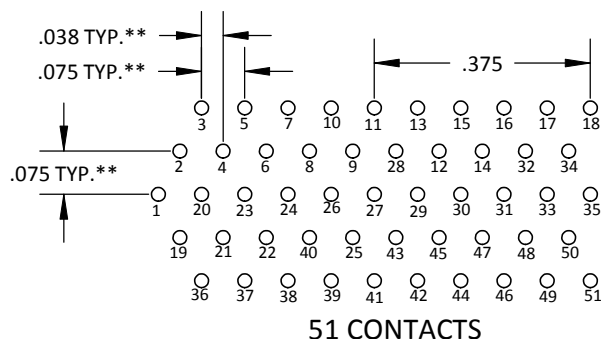
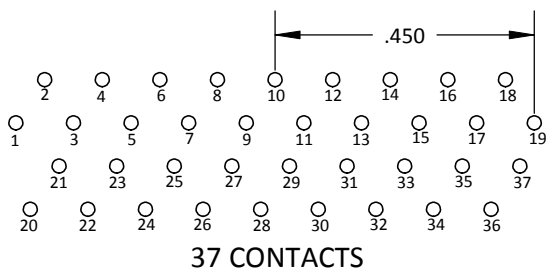
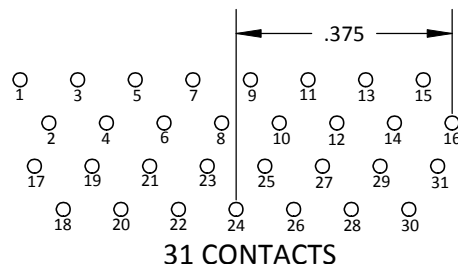
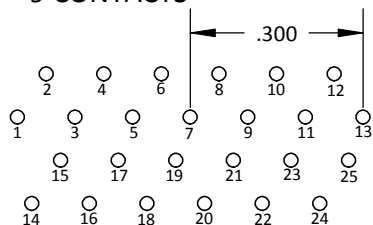
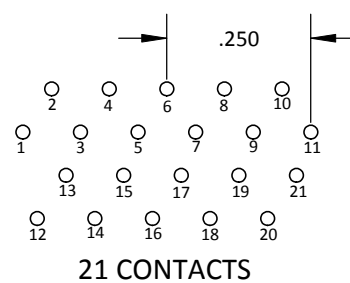
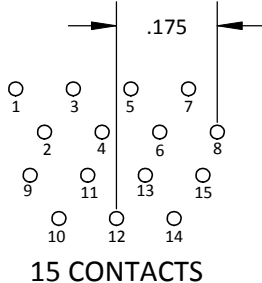
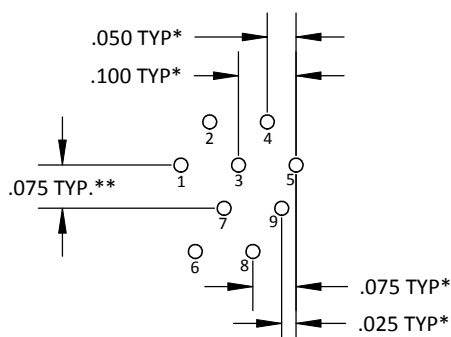
SHT 3 OF 4

DWG. NO.

MDV

REV

E



MDV PLUG PCB LAYOUTS

- * SIZES 9-37: .100 X .075 GRID PATTERN OFFSET BY .050
** SIZES 51-100: .075 X .075 GRID PATTERN OFFSET BY .0375

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

TITLE MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT,
CONDENSED, W/ O-RING/GASKET

SHT 4 OF 4

DWG. NO.

MDV

REV

E