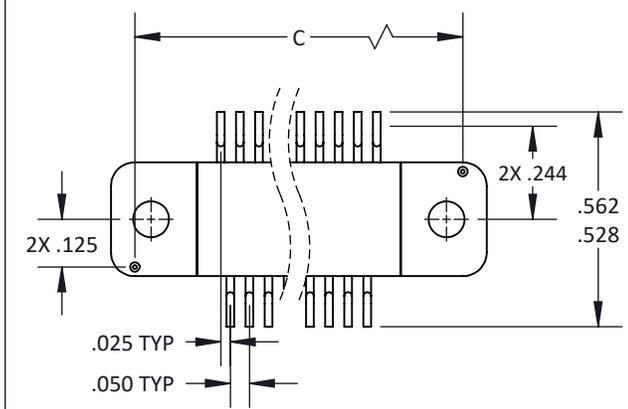
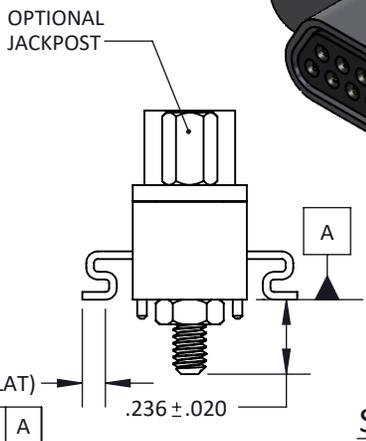
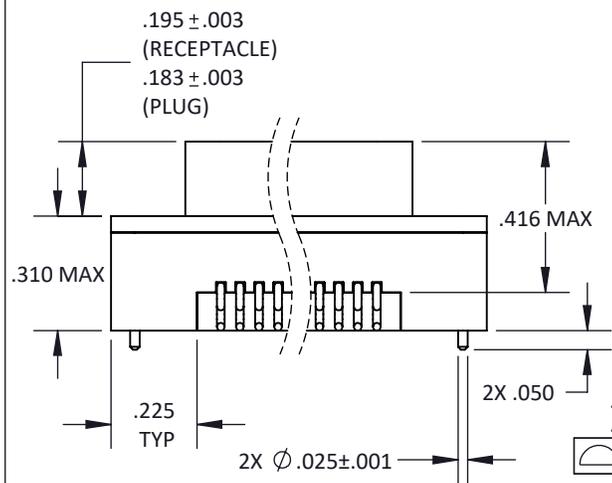
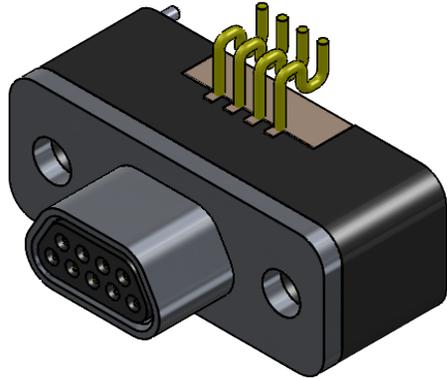


NO. OF CONTACTS	A MAX	B	C ±.010	D ±.010
9	.785	.565	.650	.325
15	.935	.715	.800	.400
21	1.085	.865	.950	.475
25	1.185	.965	1.050	.525
31	1.335	1.115	1.200	.600
37	1.485	1.265	1.350	.675



SMV - X XXX - X X 0

SURFACE MOUNT METAL SHELL  
VERTICAL MICRO-D

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

NUMBER OF CONTACTS  
009 021 031  
015 025 037

SHELL HARDWARE  
0 = NO HARDWARE  
1 = JACKPOST

SHELL FINISH  
A = CADMIUM  
B = NICKEL

TBD

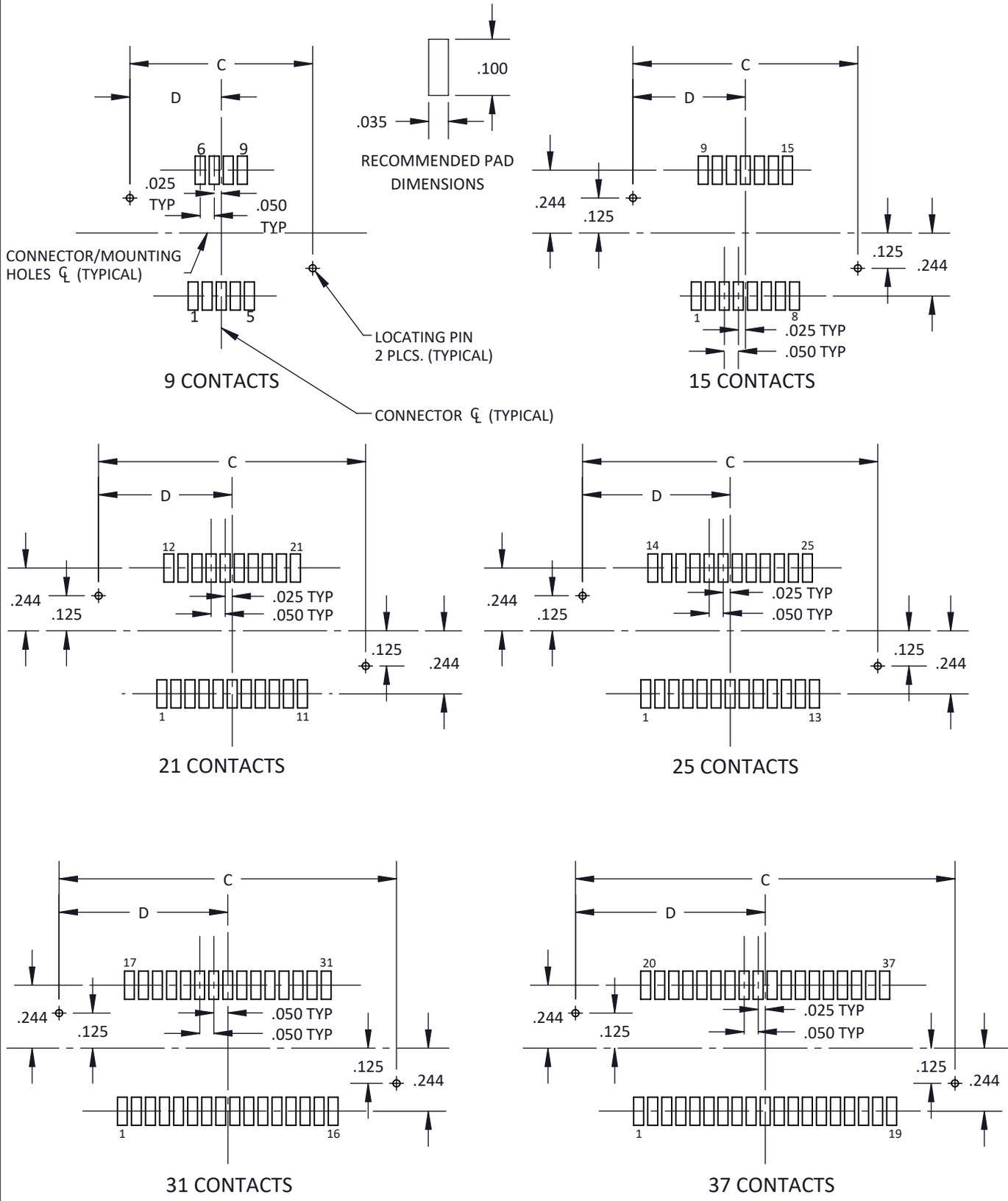
MATERIALS AND FINISHES ARE IAW MIL-DTL-83513 WHERE APPLICABLE FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:  
SHELL - ALUMINUM ALLOY  
INSULATOR - GLASS FILLED THERMOPLASTIC  
PIN/SOCKET CONTACT - COPPER ALLOY  
INTERFACIAL SEAL - FLUOROSILICONE BLEND  
LOCATING PIN - STAINLESS STEEL
2. FINISH:  
SHELL - ELECTROLESS NICKEL OR CADMIUM OVER ELECTROLESS NICKEL  
PIN/SOCKET CONTACT - GOLD OVER NICKEL  
LEADS - HOT SOLDER DIPPED  
LOCATING PIN - 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 ----- 60 mV DROP MAX AT 2.5 AMPS  
LOW LEVEL CONTACT ----- 25 MILLIOHMS MAX RESISTANCE  
CONTACT RETENTION ----- 5 lb MINIMUM AXIAL LOAD  
ENGAGEMENT FORCE ----- 6 oz MAX  
SEPARATION FORCE ----- 0.5 oz MIN

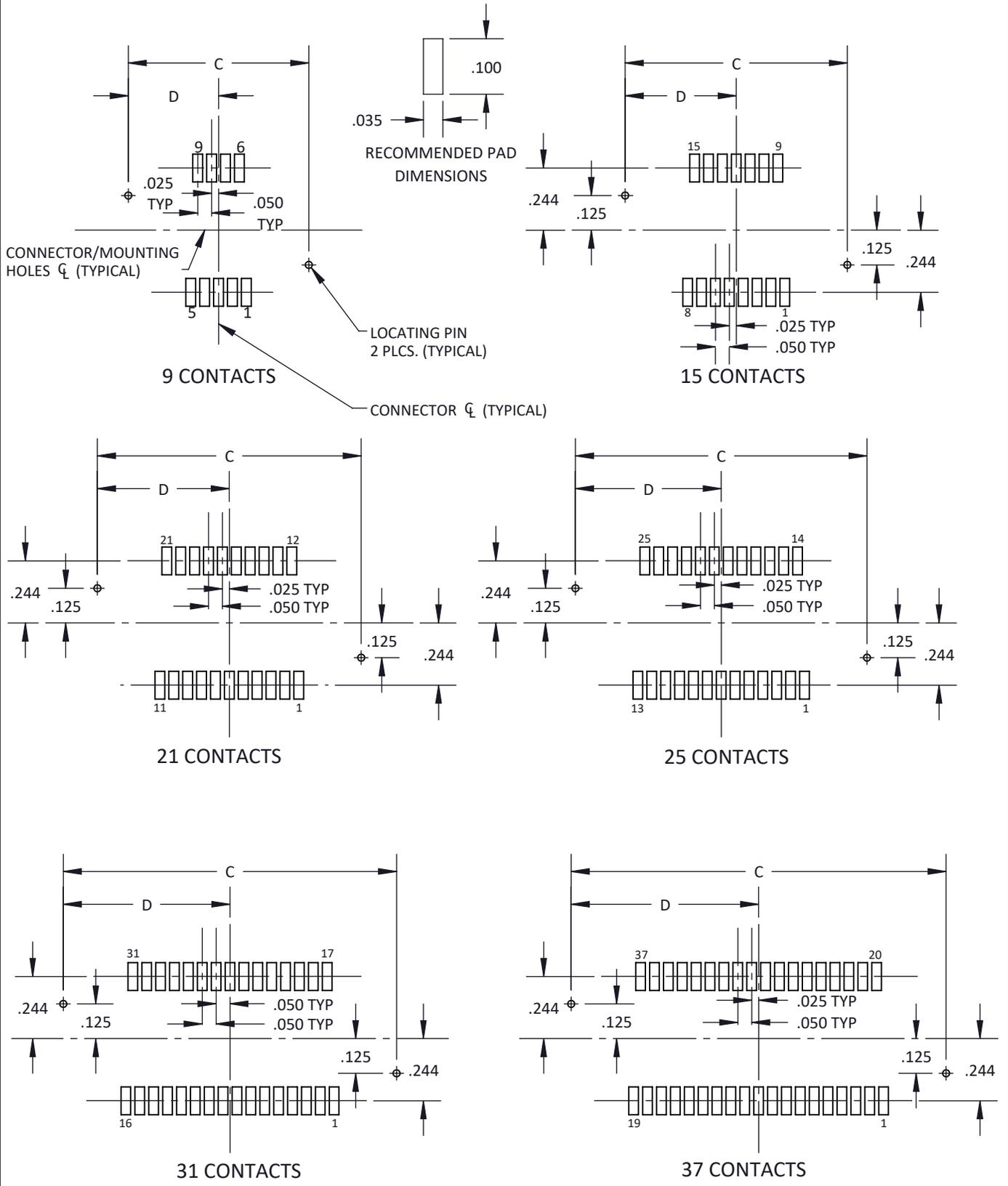
4. ADDITIONAL INFORMATION:  
DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH M83513 WHERE APPLICABLE.

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL SHELL SURFACE MOUNT VERTICAL	SHT 1 OF 3	DWG. NO. SMV	REV M
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RECEPTACLE PCB LAYOUT

<p>TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°</p>	<p>TITLE MICRO-D METAL SHELL SURFACE MOUNT VERTICAL</p>	<p>SHT 2 OF 3</p>	<p>DWG. NO. SMV</p>	<p>REV M</p>
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**PLUG PCB LAYOUT**

<p>TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°</p>	<p>TITLE <b>MICRO-D METAL SHELL SURFACE MOUNT VERTICAL</b></p>	<p>SHT 3 OF 3</p>	<p>DWG. NO. <b>SMV</b></p>	<p>REV <b>M</b></p>
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