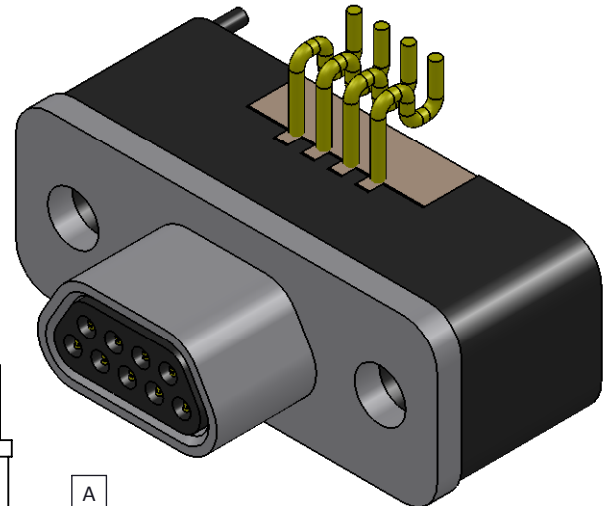
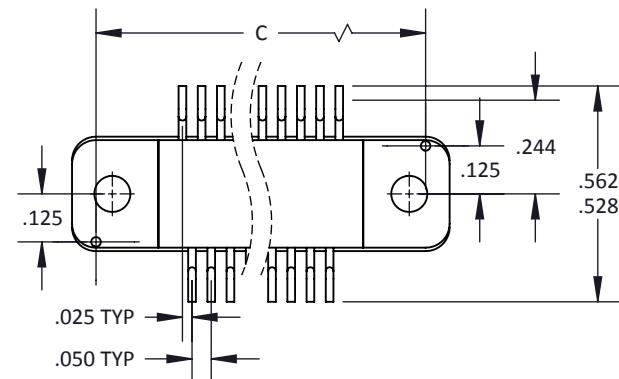
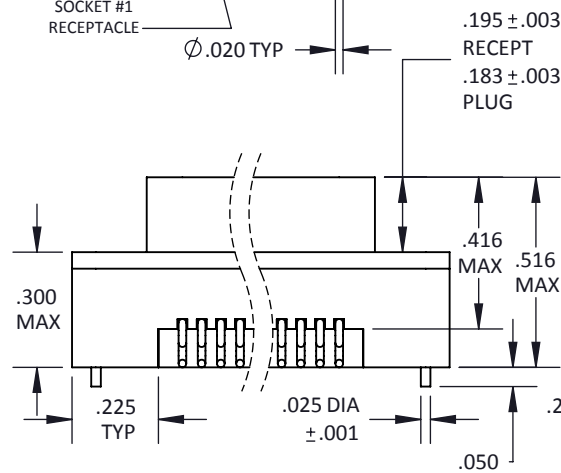
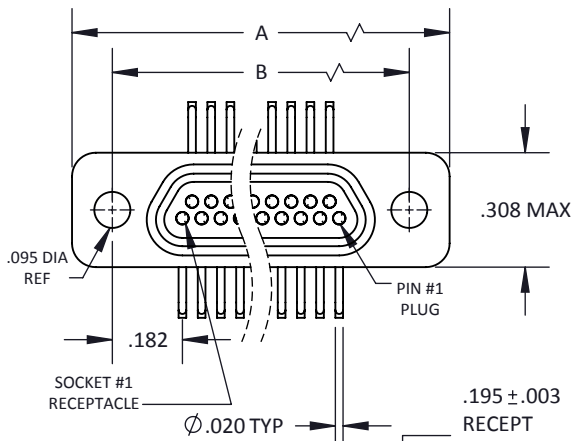


# MICRO-D METAL SHELL SURFACE MOUNT VERTICAL

NO. OF CONTACTS	A MAX	B	C	D ±.010
9	.785	.565	.65	.325
15	.935	.715	.80	.400
21	1.085	.865	.95	.475
25	1.185	.965	1.05	.525
31	1.335	1.115	1.20	.600
37	1.485	1.265	1.35	.675



OPTIONAL  
JACKPOST

LEADS TO BE COPLANAR  
TO DATUM -A- WITHIN .005  
.060 (FLAT) TYP  
.040

SURFACE MOUNT METAL SHELL  
VERTICAL MICRO-D

GENDER

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

NUMBER OF CONTACTS

- 009 025
- 015 031
- 021 037

SHELL HARDWARE

- 0 = NO HARDWARE
- 1 = JACKPOST

SHELL FINISH

- A = CADMIUM
- B = NICKEL

TBD

SMV - X XXX - X X 0

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 ----- 8 MILLIOHMS MAX AT 2.5 AMPS  
LOW LEVEL CONTACT ----- 10 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

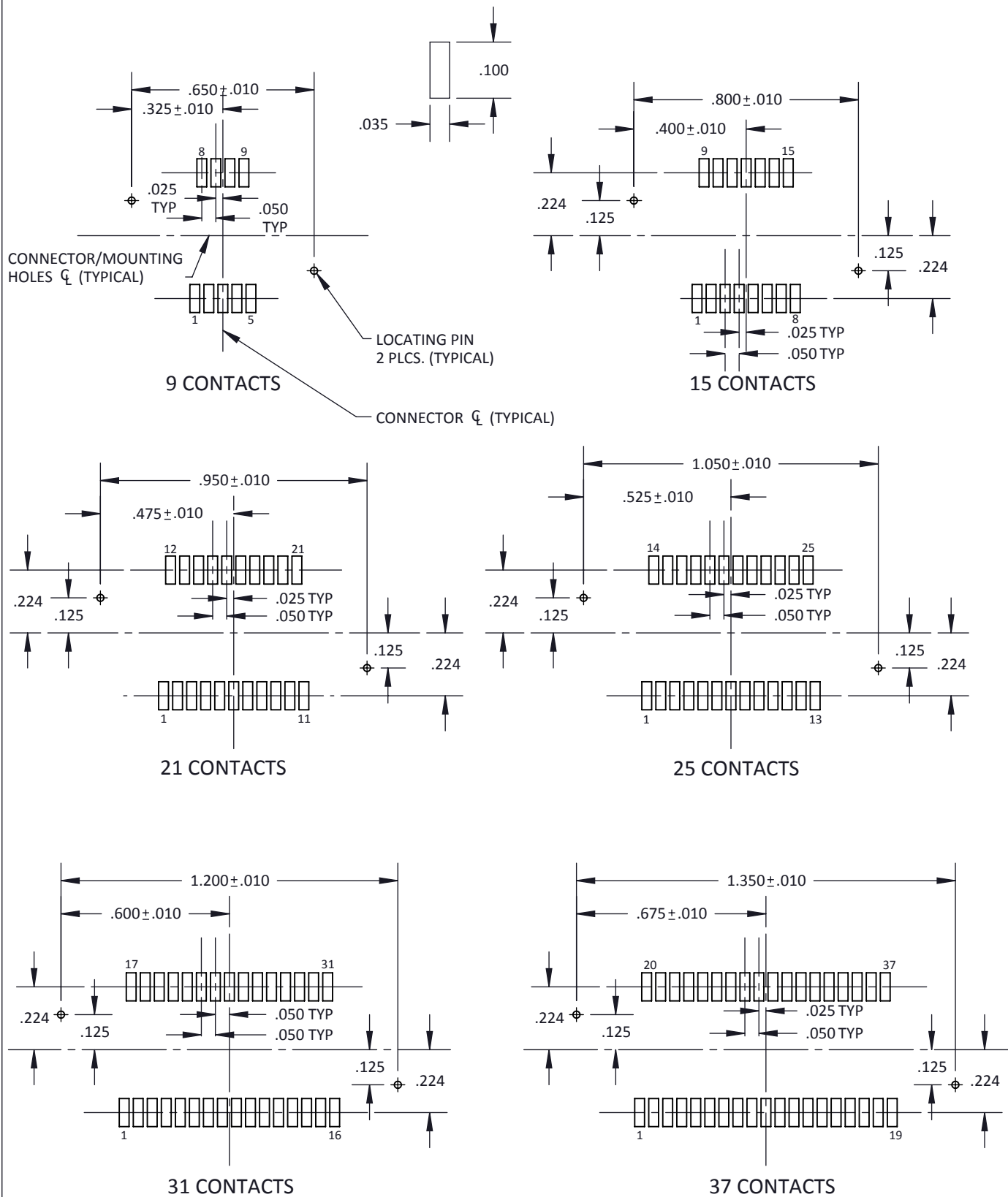
SHT 1 OF 3

DWG. NO.

SMV

REV

J



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

TITLE

MICRO-D METAL SHELL  
SURFACE MOUNT VERTICAL

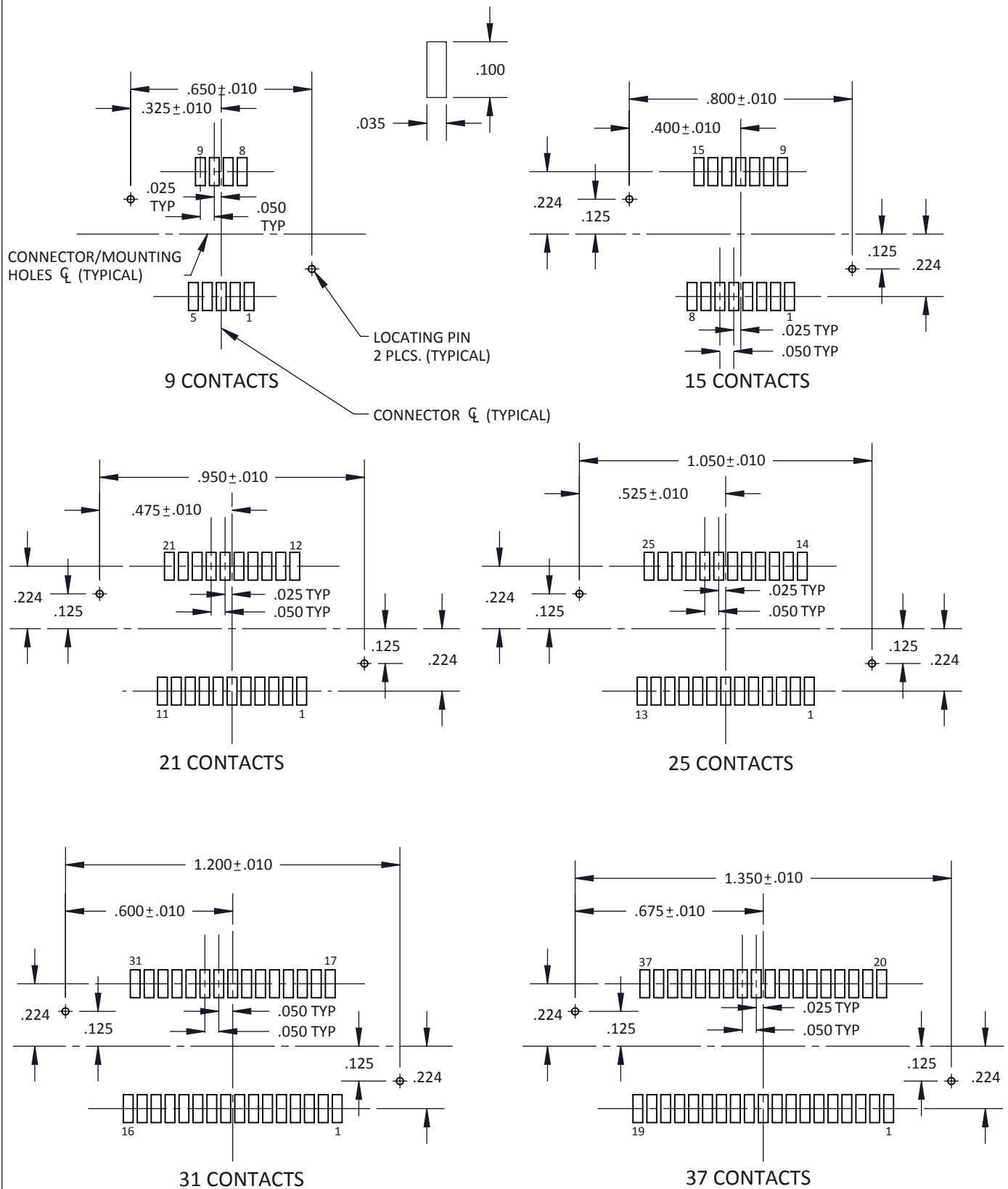
SHT 2 OF 3

DWG. NO.

SMV

REV

J



**RECEPTACLE PCB LAYOUT**

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

TITLE

**MICRO-D METAL SHELL  
SURFACE MOUNT VERTICAL**

SHT 3 OF 3

DWG. NO.

**SMV**

REV

**J**