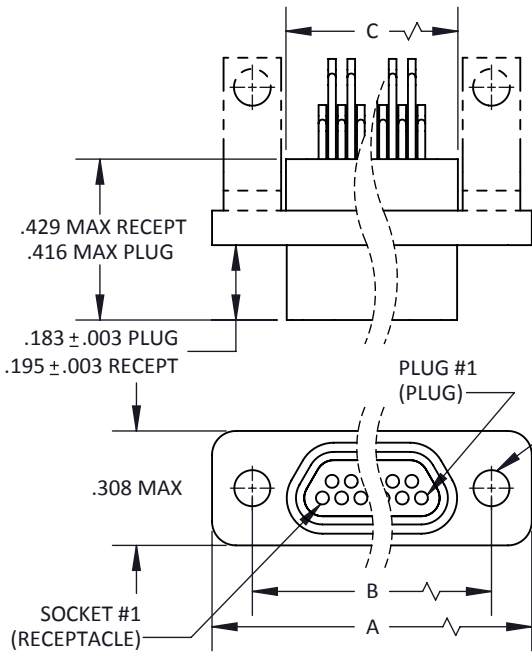
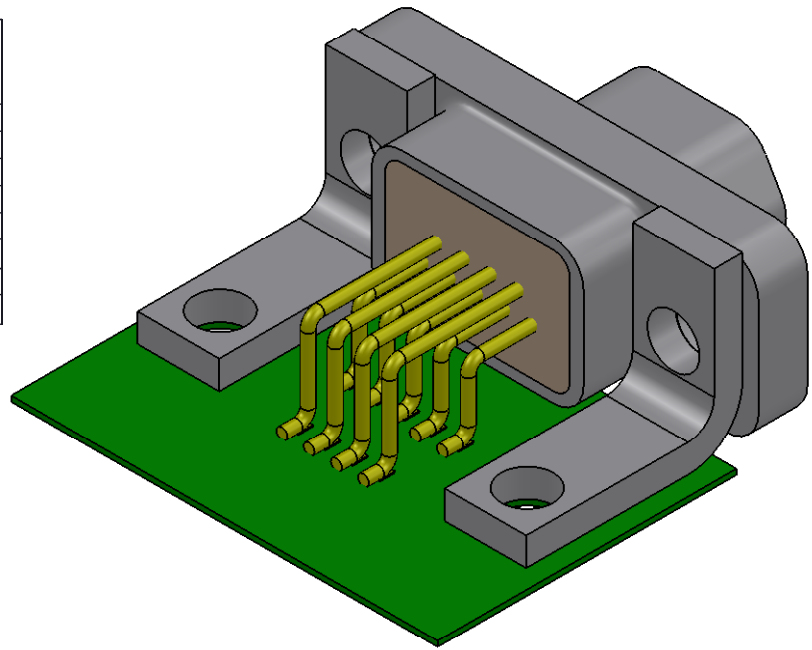
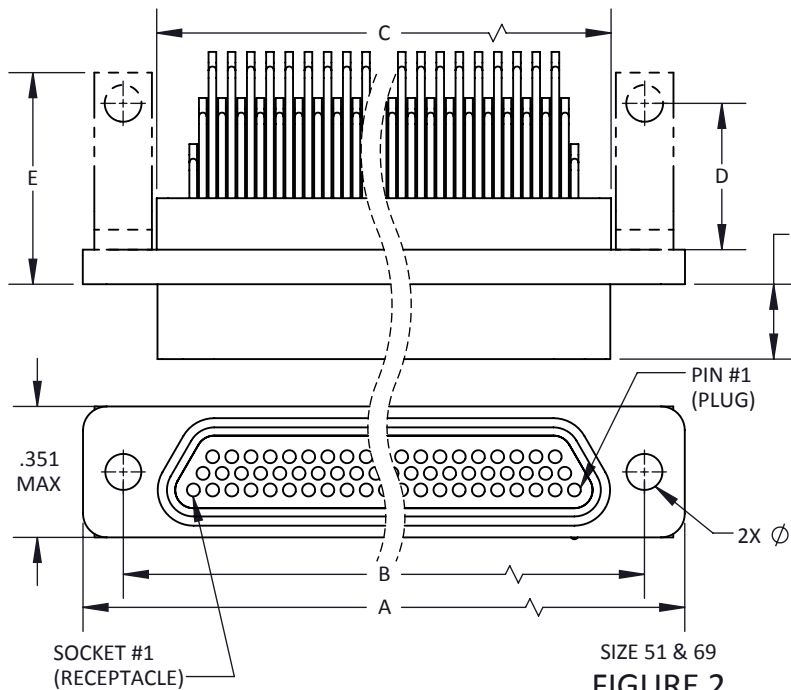
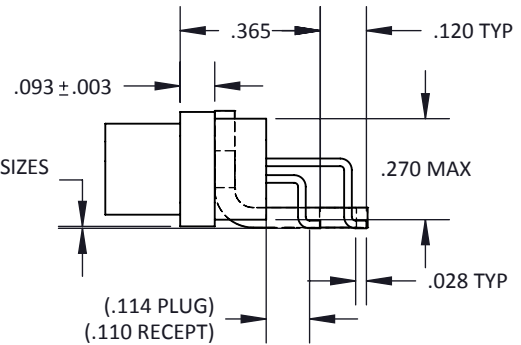


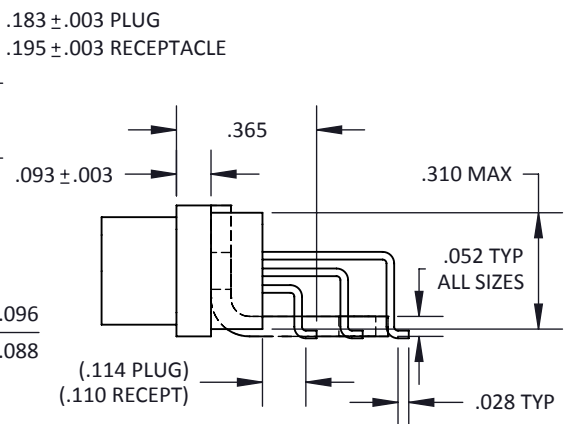
NO. OF CONTACTS	FIGURE	A MAX	B	C MAX	D	(E)
9	1	.785	.565	.400	.318	.491
15	1	.935	.715	.550	.318	.491
21	1	1.085	.865	.700	.318	.491
25	1	1.185	.965	.800	.318	.491
31	1	1.335	1.115	.950	.318	.491
37	1	1.485	1.265	1.100	.318	.491
51	2	1.435	1.215	1.050	.378	.551
69	2	1.735	1.515	1.350	.378	.551



SIZE 9 - 37  
**FIGURE 1**



SIZE 51 & 69  
**FIGURE 2**



NOTE: LEADS FOR ALL SIZES ARE HOT SOLDER DIPPED

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

TITLE  
**MICRO-D METAL SHELL  
SURFACE MOUNT RIGHT ANGLE,  
CONDENSED**

SHT 1 OF 4

DWG. NO.

CSR

REV

**E**

**MICRO-D METAL SHELL  
SURFACE MOUNT RIGHT ANGLE, CONDENSED**

CSR — X XXX — X X

CRISTEK SURFACE MOUNT RIGHT ANGLE  
METAL SHELL MICRO-D (CONDENSED PATTERN)

GENDER

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

NUMBER OF CONTACTS

- 009 025 051
- 015 031 069
- 021 037

HARDWARE (#2-56 THREAD)

- 0 = NONE
- FACTORY INSTALLED (NON-REMOVABLE)
- F = FLOAT MOUNT
- J = HIGH PROFILE HEX DRIVE JACKSCREW
- K = HIGH PROFILE SLOTTED JACKSCREW
- L = LOW PROFILE HEX DRIVE JACKSCREW
- T = THREADED INSERT
- M83513 HARDWARE - FACTORY INSTALLED
- 2 = LOW PROFILE HEX DRIVE JACKSCREW
- 3 = HIGH PROFILE HEX DRIVE JACKSCREW
- 5 = LOW PROFILE SLOTTED JACKSCREW
- 6 = HIGH PROFILE SLOTTED JACKSCREW
- 7 = JACKPOST
- 8 = MOUNTING BRACKET W/JACKPOST

SHELL FINISH

- A = CADMIUM
- B = NICKEL
- C = ANODIZE
- D = CHEM FILM
- E = BLACK CADMIUM
- G = GOLD

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  
LEAD - COPPER  
INTERFACIAL SEAL - FLUOROSILICONE BLEND

**2. FINISH:**

SHELL - SEE OPTIONS ABOVE  
PIN/SOCKET CONTACT - GOLD OVER NICKEL  
LEADS - HOT 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 ----- 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.  
CONTACT CRISTEK FOR OTHER HARDWARE  
OPTIONS.

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

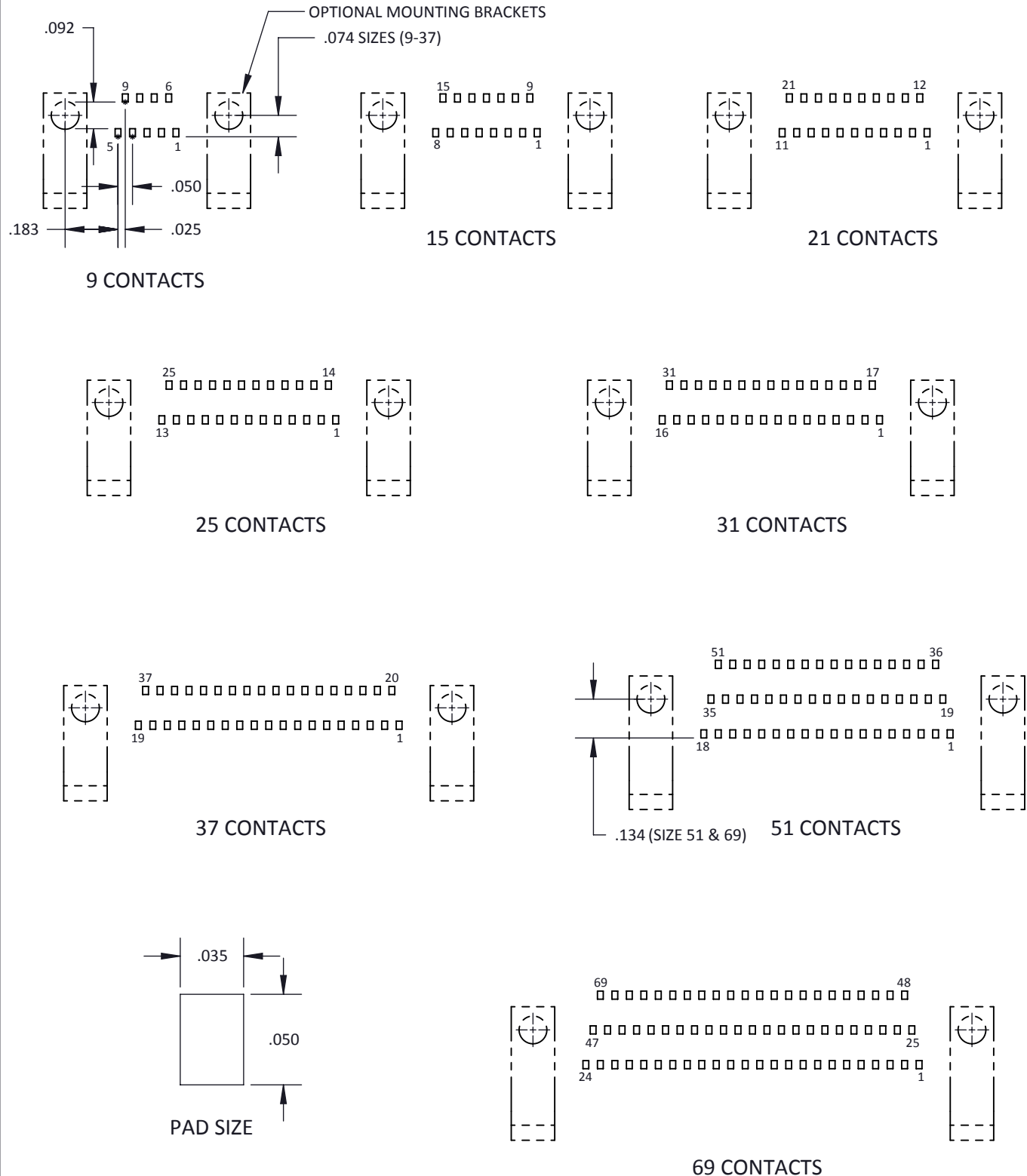
TITLE  
**MICRO-D METAL SHELL  
SURFACE MOUNT RIGHT ANGLE,  
CONDENSED**

SHT 2 OF 4

DWG. NO.  
**CSR**

REV  
**E**

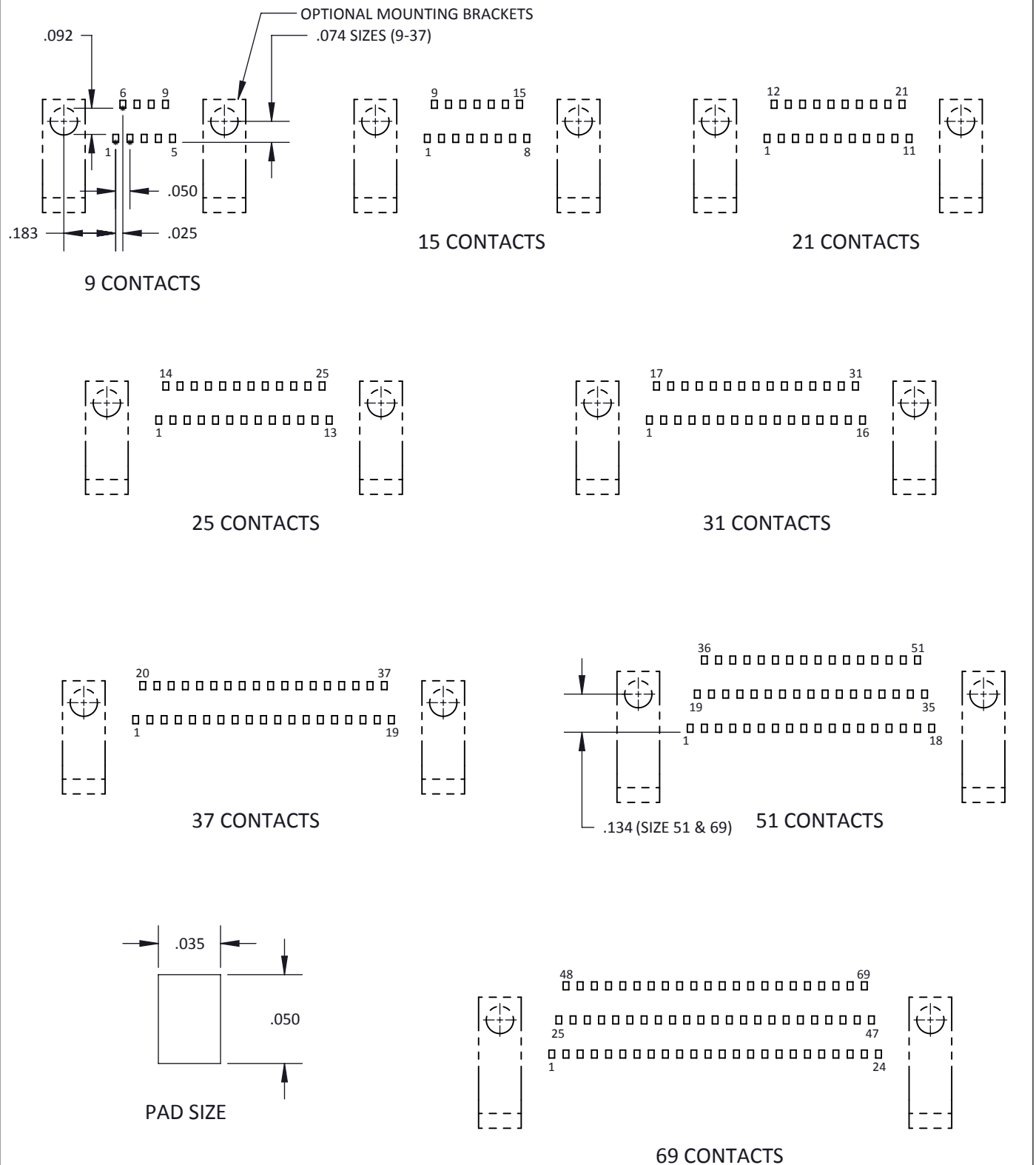
**MICRO-D METAL SHELL  
SURFACE MOUNT RIGHT ANGLE, CONDENSED**



**CSR PLUG LEAD FOOTPRINT**  
DIMENSIONS SHOWN ARE TYPICAL FOR ALL SIZES EXCEPT AS NOTED

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL SHELL SURFACE MOUNT RIGHT ANGLE, CONDENSED	SHT 3 OF 4	DWG. NO. CSR	REV E
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**MICRO-D METAL SHELL  
SURFACE MOUNT RIGHT ANGLE, CONDENSED**



**CSR RECEPTACLE LEAD FOOTPRINT**  
DIMENSIONS SHOWN ARE TYPICAL FOR ALL SIZES EXCEPT AS NOTED

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

TITLE  
**MICRO-D METAL SHELL  
SURFACE MOUNT RIGHT ANGLE,  
CONDENSED**

SHT 4 OF 4

DWG. NO.

CSR

REV

**E**