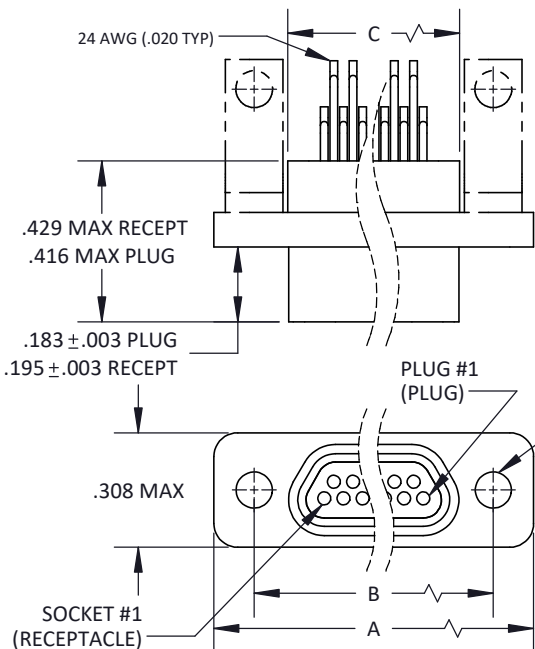
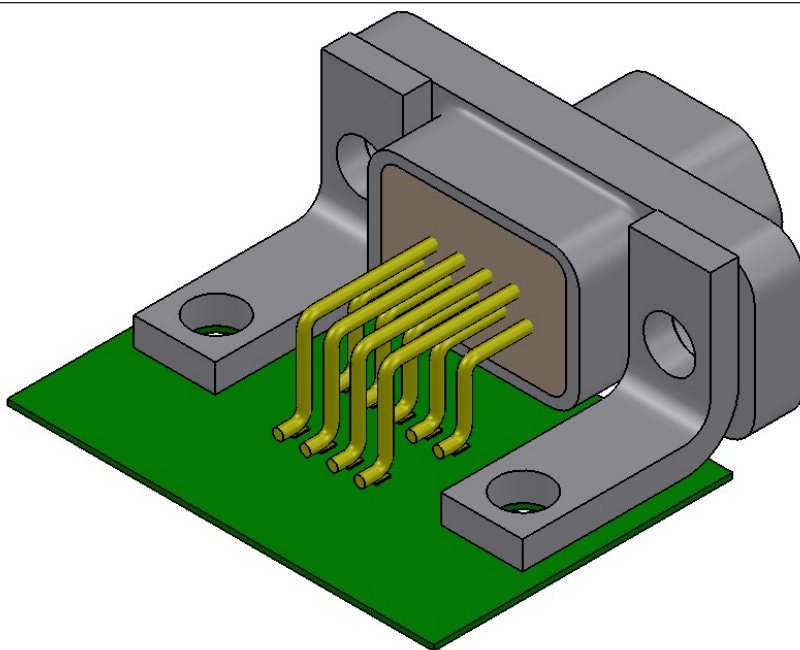
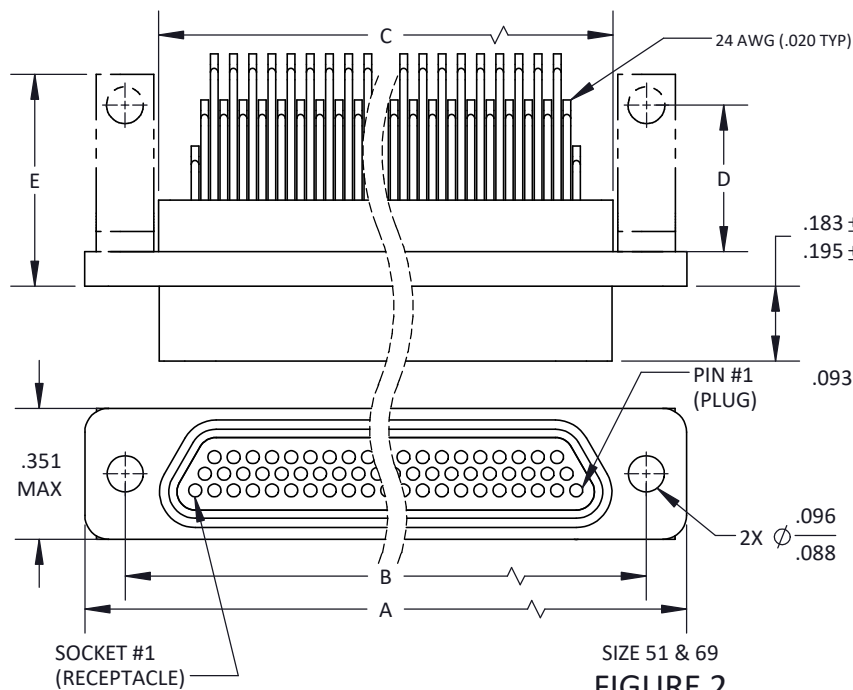
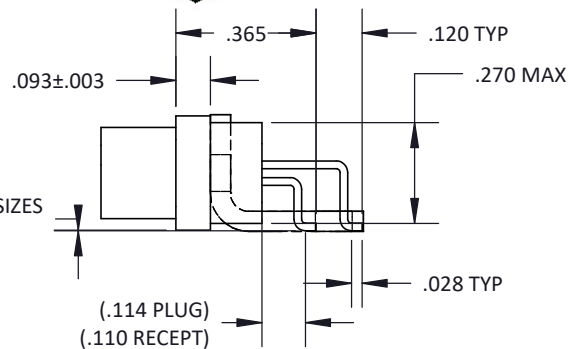


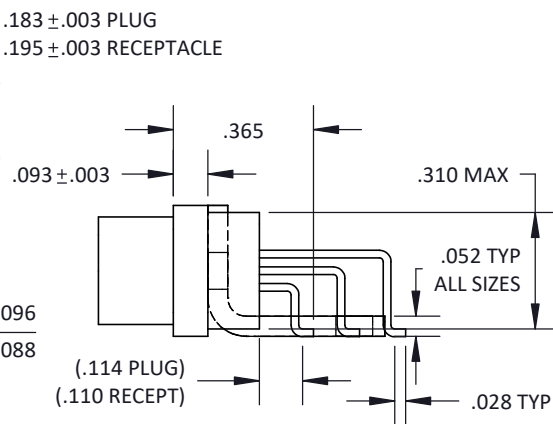
NO. OF CONTACTS	FIGURE	A MAX	B	C MAX	D	(E)
9	1	.785	.565	.400	.318	.491
15	1	.935	.715	.550	.318	.491
21	1	1.085	.865	.700	.318	.491
25	1	1.185	.965	.800	.318	.491
31	1	1.335	1.115	.950	.318	.491
37	1	1.485	1.265	1.100	.318	.491
51	2	1.435	1.215	1.050	.378	.551
69	2	1.735	1.515	1.350	.378	.551



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
F

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

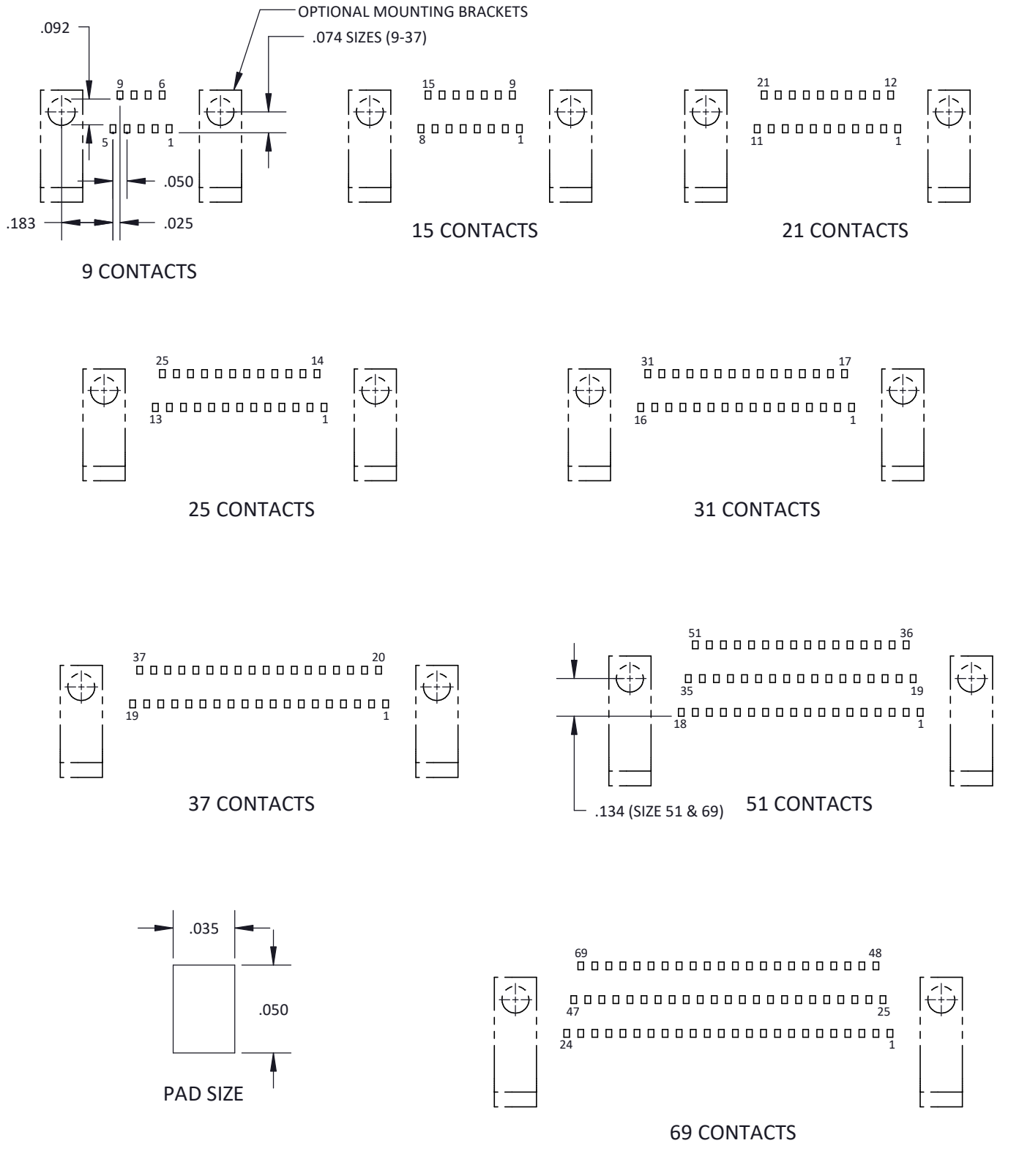
3. SPECIFICATIONS:

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.

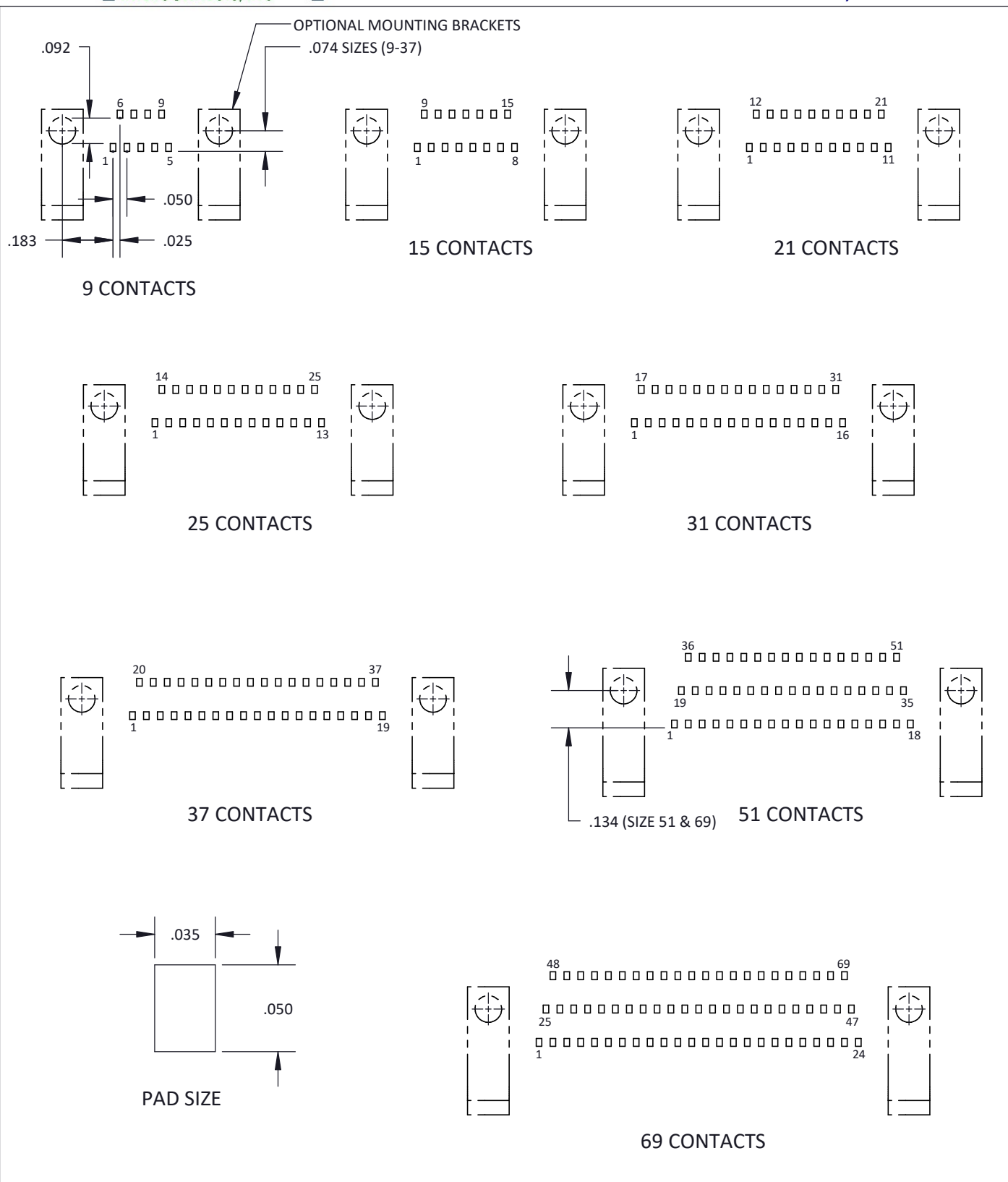
TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D METAL SHELL SURFACE MOUNT RIGHT ANGLE, CONDENSED	SHT 2 OF 4	DWG. NO. CSR	REV F
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CSR PLUG LEAD FOOTPRINT

DIMENSIONS SHOWN ARE TYPICAL FOR ALL SIZES EXCEPT AS NOTED

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