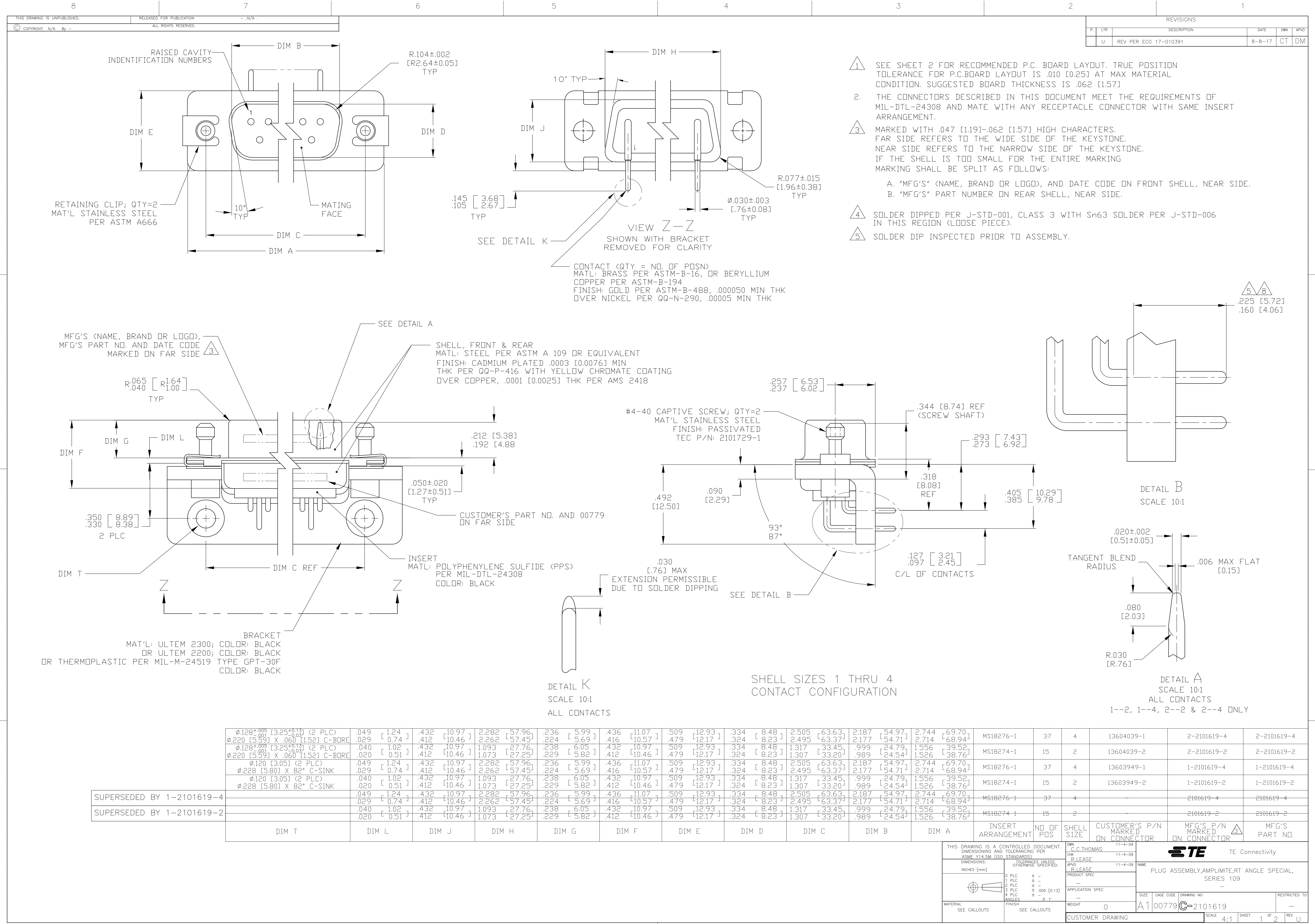




REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
U		REV PER ECO 17-010391	8-8-17	CT	DM

- 1

SEE SHEET 2 FOR RECOMMENDED P.C. BOARD LAYOUT. TRUE POSITION TOLERANCE FOR P.C. BOARD LAYOUT IS .010 [0.25] AT MAX MATERIAL CONDITION. SUGGESTED BOARD THICKNESS IS .062 [1.57]
- 2

THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-DTL-24308 AND MATE WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.
- 3

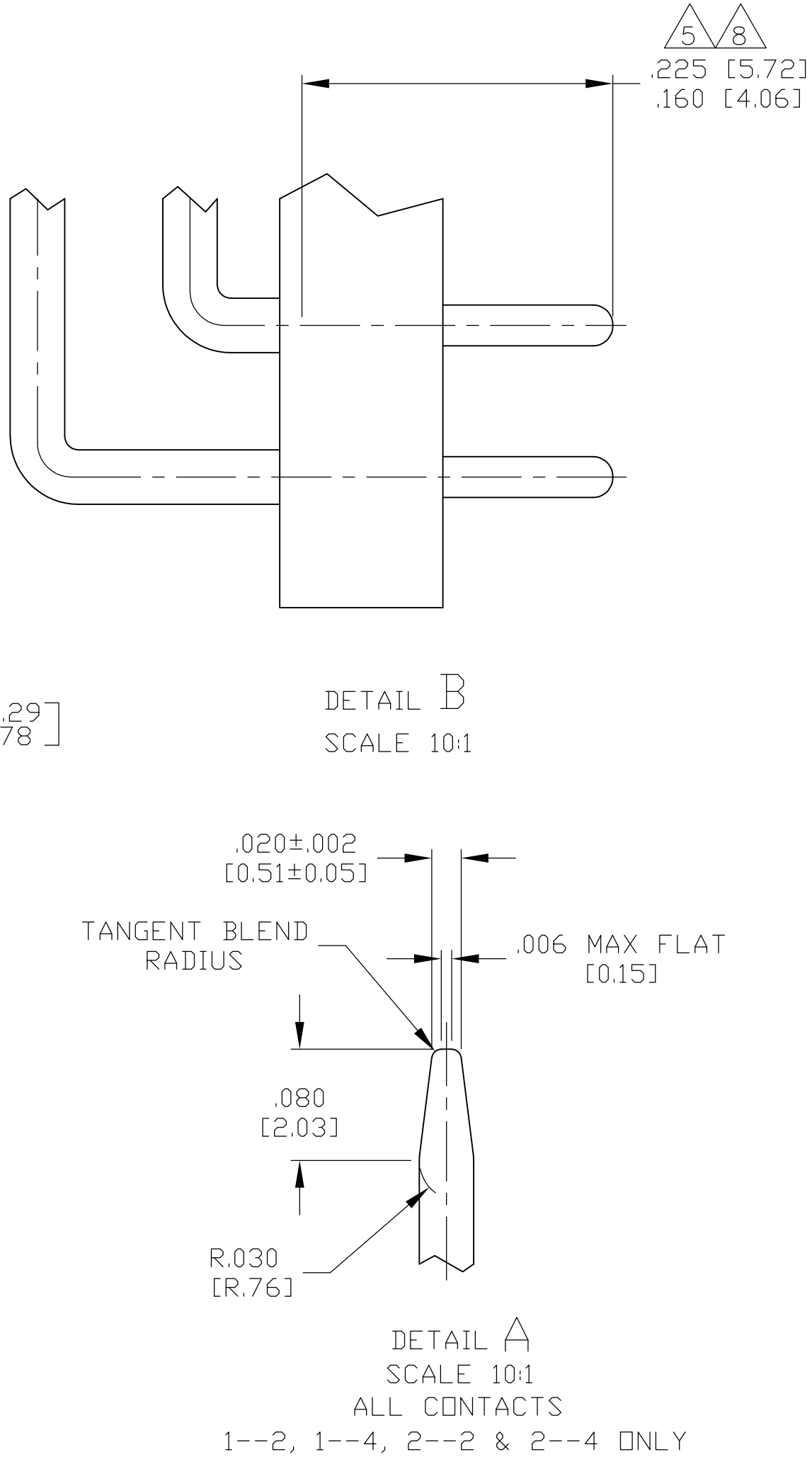
MARKED WITH .047 [1.19]-.062 [1.57] HIGH CHARACTERS.
FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE.
NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE.
IF THE SHELL IS TOO SMALL FOR THE ENTIRE MARKING MARKING SHALL BE SPLIT AS FOLLOWS:

A. "MFG'S" (NAME, BRAND OR LOGO), AND DATE CODE ON FRONT SHELL, NEAR SIDE.

B. "MFG'S" PART NUMBER ON REAR SHELL, NEAR SIDE.
- 4

SOLDER DIPPED PER J-STD-001, CLASS 3 WITH Sn63 SOLDER PER J-STD-006 IN THIS REGION (LOOSE PIECE).
- 5

SOLDER DIP INSPECTED PRIOR TO ASSEMBLY.



DETAIL K
SCALE 10:1
ALL CONTACTS

SHELL SIZES 1 THRU 4
CONTACT CONFIGURATION

DETAIL A
SCALE 10:1
ALL CONTACTS
1--2, 1--4, 2--2 & 2--4 ONLY

$\phi .128^{+.005}_{-.001}$ [3.25 ^{+0.13} _{-0.03}] (2 PLC)	.049 [1.24]	.432 [10.97]	2.282 [57.96]	.236 [5.99]	.436 [11.07]	.509 [12.93]	.334 [8.48]	2.505 [63.63]	2.187 [54.97]	2.744 [69.70]	MS18276-1	37	4	13604039-1	2-2101619-4	2-2101619-4
$\phi .220^{+.001}_{-.001}$ X .060 [1.52] C-BORE	.029 [0.74]	.412 [10.46]	2.262 [57.45]	.224 [5.69]	.416 [10.57]	.479 [12.17]	.324 [8.23]	2.495 [63.37]	2.177 [54.71]	2.714 [68.94]						
$\phi .128^{+.005}_{-.001}$ [3.25 ^{+0.13} _{-0.03}] (2 PLC)	.040 [1.02]	.432 [10.97]	1.093 [27.76]	.238 [6.05]	.432 [10.97]	.509 [12.93]	.334 [8.48]	1.317 [33.45]	.999 [24.79]	1.556 [39.52]	MS18274-1	15	2	13604039-2	2-2101619-2	2-2101619-2
$\phi .220^{+.001}_{-.001}$ X .060 [1.52] C-BORE	.020 [0.51]	.412 [10.46]	1.073 [27.25]	.229 [5.82]	.412 [10.46]	.479 [12.17]	.324 [8.23]	1.307 [33.20]	.989 [24.54]	1.526 [38.76]						
$\phi .120$ [3.05] (2 PLC)	.049 [1.24]	.432 [10.97]	2.282 [57.96]	.236 [5.99]	.436 [11.07]	.509 [12.93]	.334 [8.48]	2.505 [63.63]	2.187 [54.97]	2.744 [69.70]	MS18276-1	37	4	13603949-1	1-2101619-4	1-2101619-4
$\phi .228$ [5.80] X 82° C-SINK	.029 [0.74]	.412 [10.46]	2.262 [57.45]	.224 [5.69]	.416 [10.57]	.479 [12.17]	.324 [8.23]	2.495 [63.37]	2.177 [54.71]	2.714 [68.94]						
$\phi .120$ [3.05] (2 PLC)	.040 [1.02]	.432 [10.97]	1.093 [27.76]	.238 [6.05]	.432 [10.97]	.509 [12.93]	.334 [8.48]	1.317 [33.45]	.999 [24.79]	1.556 [39.52]	MS18274-1	15	2	13603949-2	1-2101619-2	1-2101619-2
$\phi .228$ [5.80] X 82° C-SINK	.020 [0.51]	.412 [10.46]	1.073 [27.25]	.229 [5.82]	.412 [10.46]	.479 [12.17]	.324 [8.23]	1.307 [33.20]	.989 [24.54]	1.526 [38.76]						
SUPERSEDED BY 1-2101619-4	.049 [1.24]	.432 [10.97]	2.282 [57.96]	.236 [5.99]	.436 [11.07]	.509 [12.93]	.334 [8.48]	2.505 [63.63]	2.187 [54.97]	2.744 [69.70]	MS18276-1	37	4		2101619-4	2101619-4
	.029 [0.74]	.412 [10.46]	2.262 [57.45]	.224 [5.69]	.416 [10.57]	.479 [12.17]	.324 [8.23]	2.495 [63.37]	2.177 [54.71]	2.714 [68.94]						
SUPERSEDED BY 1-2101619-2	.040 [1.02]	.432 [10.97]	1.093 [27.76]	.238 [6.05]	.432 [10.97]	.509 [12.93]	.334 [8.48]	1.317 [33.45]	.999 [24.79]	1.556 [39.52]	MS18274-1	15	2		2101619-2	2101619-2
	.020 [0.51]	.412 [10.46]	1.073 [27.25]	.229 [5.82]	.412 [10.46]	.479 [12.17]	.324 [8.23]	1.307 [33.20]	.989 [24.54]	1.526 [38.76]						
DIM T	DIM L	DIM J	DIM H	DIM G	DIM F	DIM E	DIM D	DIM C	DIM B	DIM A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	CUSTOMER'S P/N MARKED ON CONNECTOR	MFG'S P/N MARKED ON CONNECTOR	MFG'S PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)

DIMENSIONS: INCHES [mm]

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC

± -
± -
± -
± .005 [0.13]
± - ± 1°

ANGLES

MATERIAL SEE CALLOUTS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH SEE CALLOUTS

DWN C.C.THOMAS 11-4-09

CHK R. LEASE 11-4-09

APVD R. LEASE 11-4-09

PRODUCT SPEC

APPLICATION SPEC

WEIGHT 0

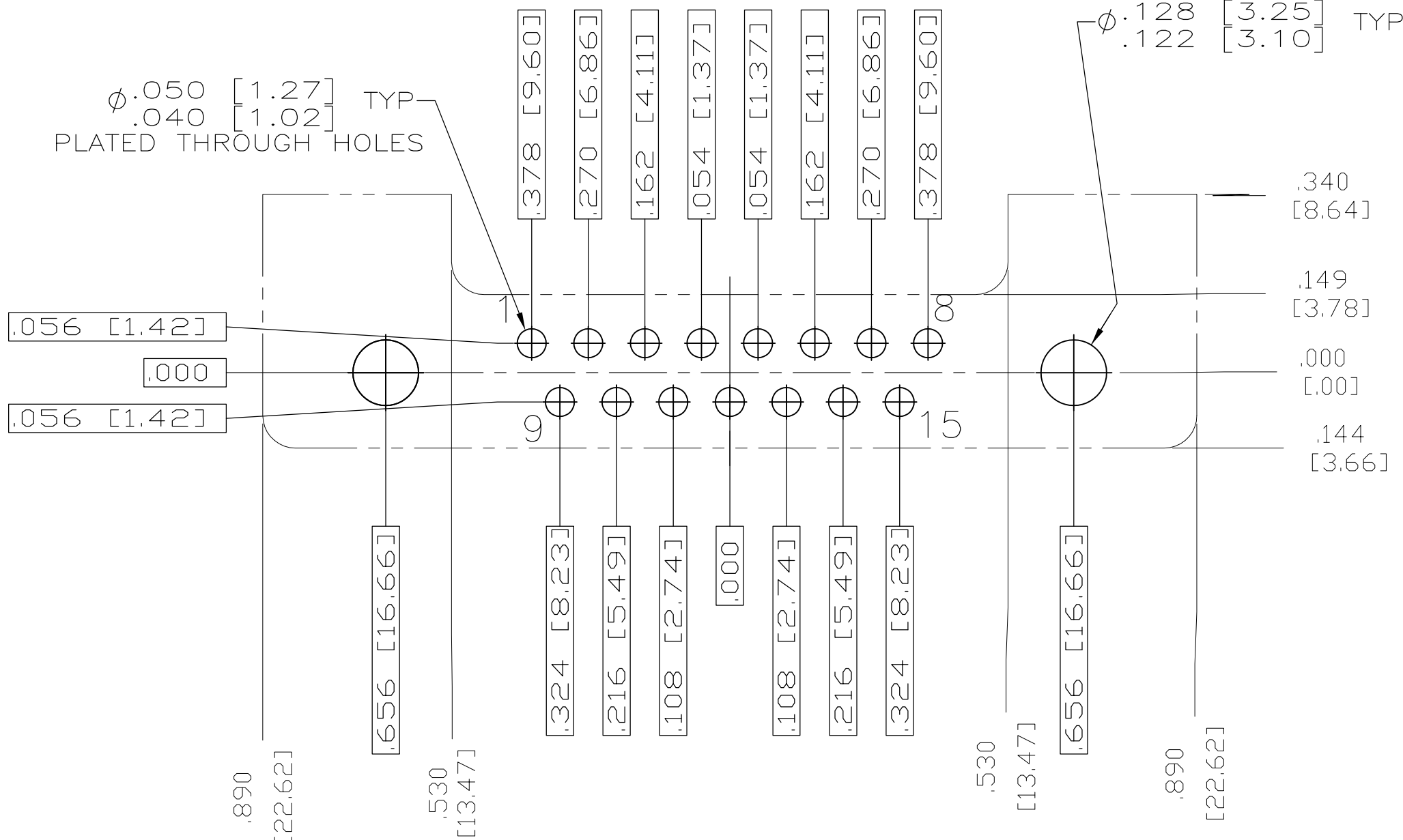
CUSTOMER DRAWING

NAME PLUG ASSEMBLY, AMPLITE, RT ANGLE SPECIAL, SERIES 109

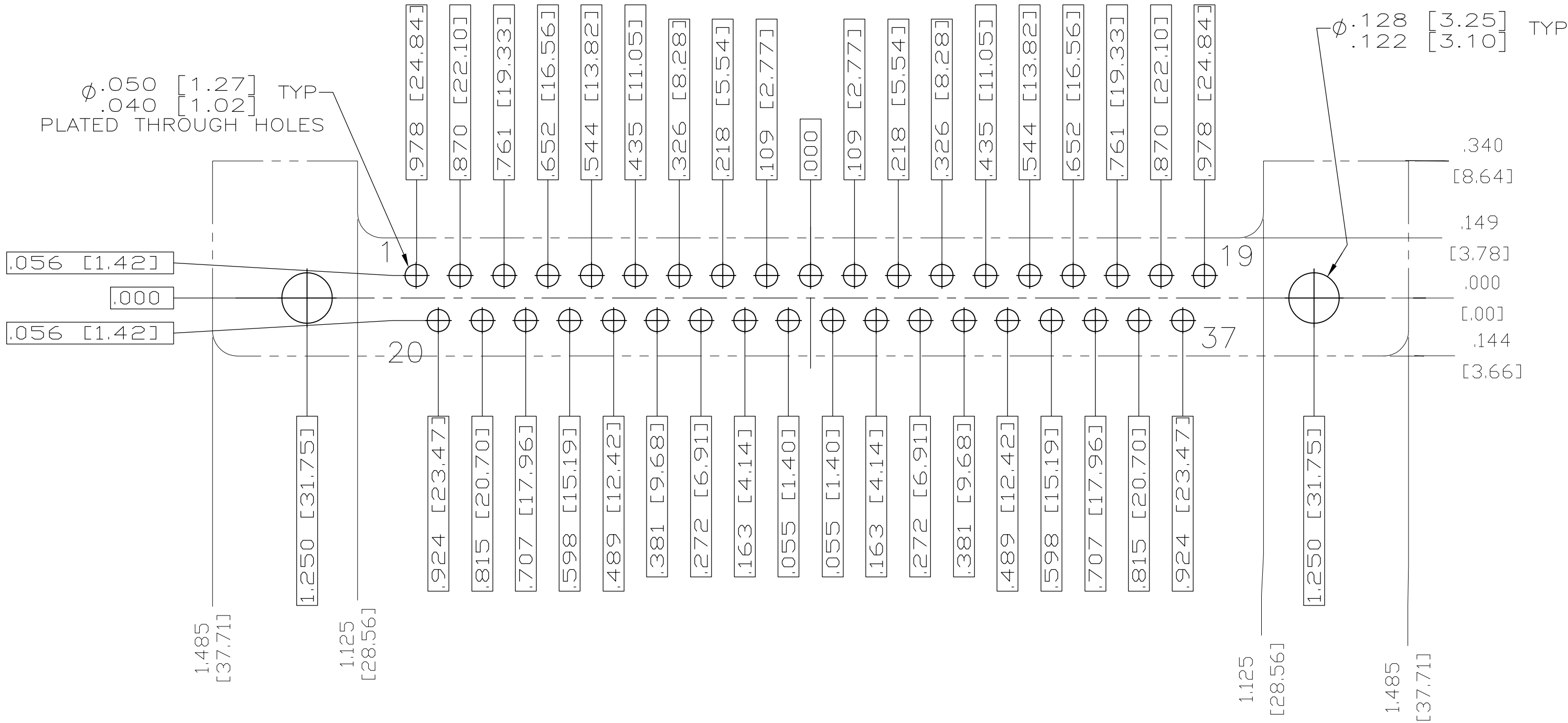
SIZE CAGE CODE DRAWING NO RESTRICTED TO

SCALE 4:1 SHEET 1 OF 2 REV U

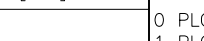
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



RECOMMENDED P.C. BOARD LAYOUT 
SHELL SIZE 2 (15 POSITION)



RECOMMENDED P.C. BOARD LAYOUT 
SHELL SIZE 4 (37 POSITION)

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)		DWN C.C.THOMAS 11-4-09	 TE Connectivity			
		CHK R. LEASE 11-4-09				
DIMENSIONS: INCHES [mm]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD R. LEASE 11-4-09	NAME	PLUG ASSEMBLY,AMPLIMITE,RT ANGLE SPECIAL, SERIES 109 —		
	0. PLC ± —	PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO —
	1. PLC ± —	APPLICATION SPEC	A1	00779	C=2101619	
	2. PLC ± —	—				WEIGHT
	3. PLC ± —	—	CUSTOMER DRAWING			
MATERIAL SEE CALLOUTS	FINISH SEE CALLOUTS	SCALE 4:1 SHEET 2 OF 2 REV U				

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[2101619-2](#)