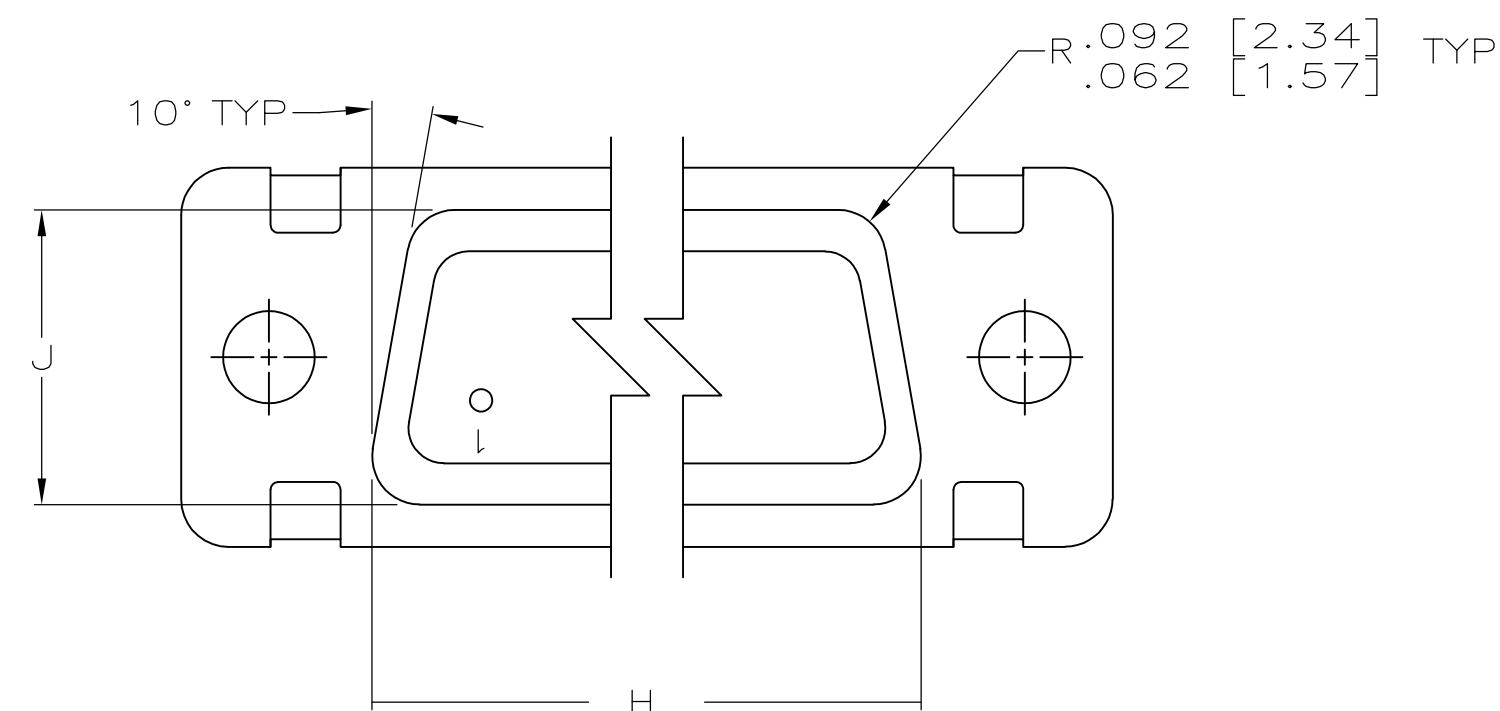
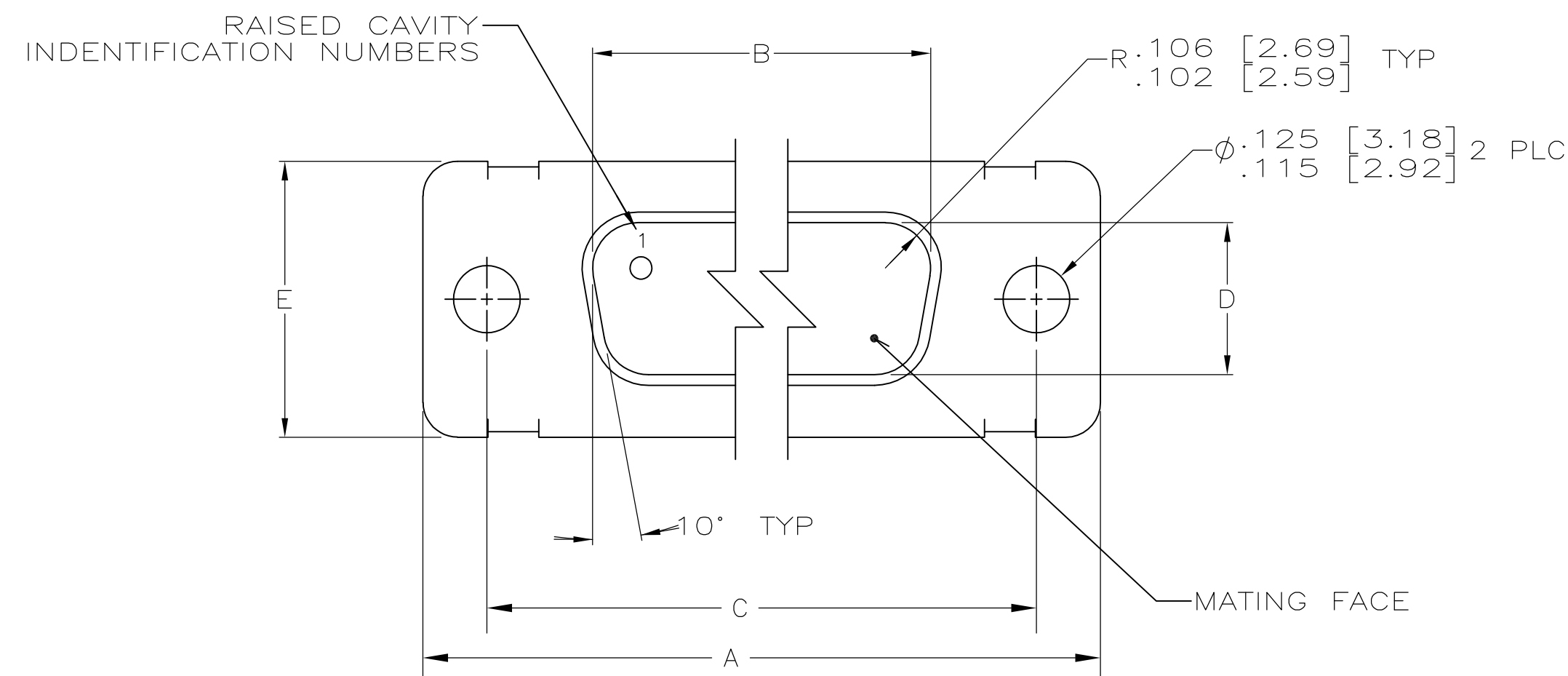
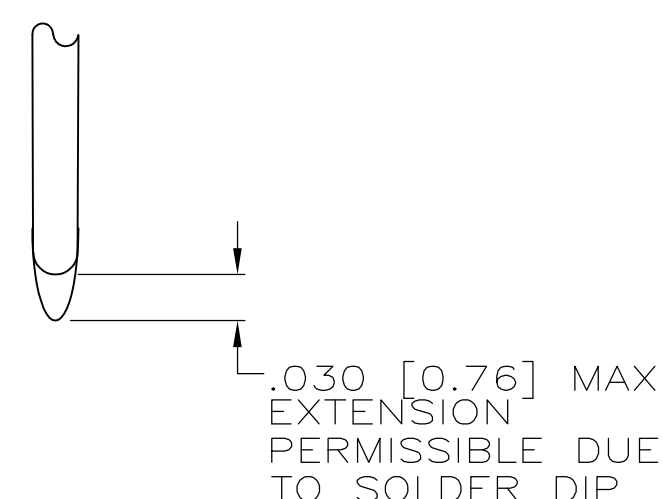
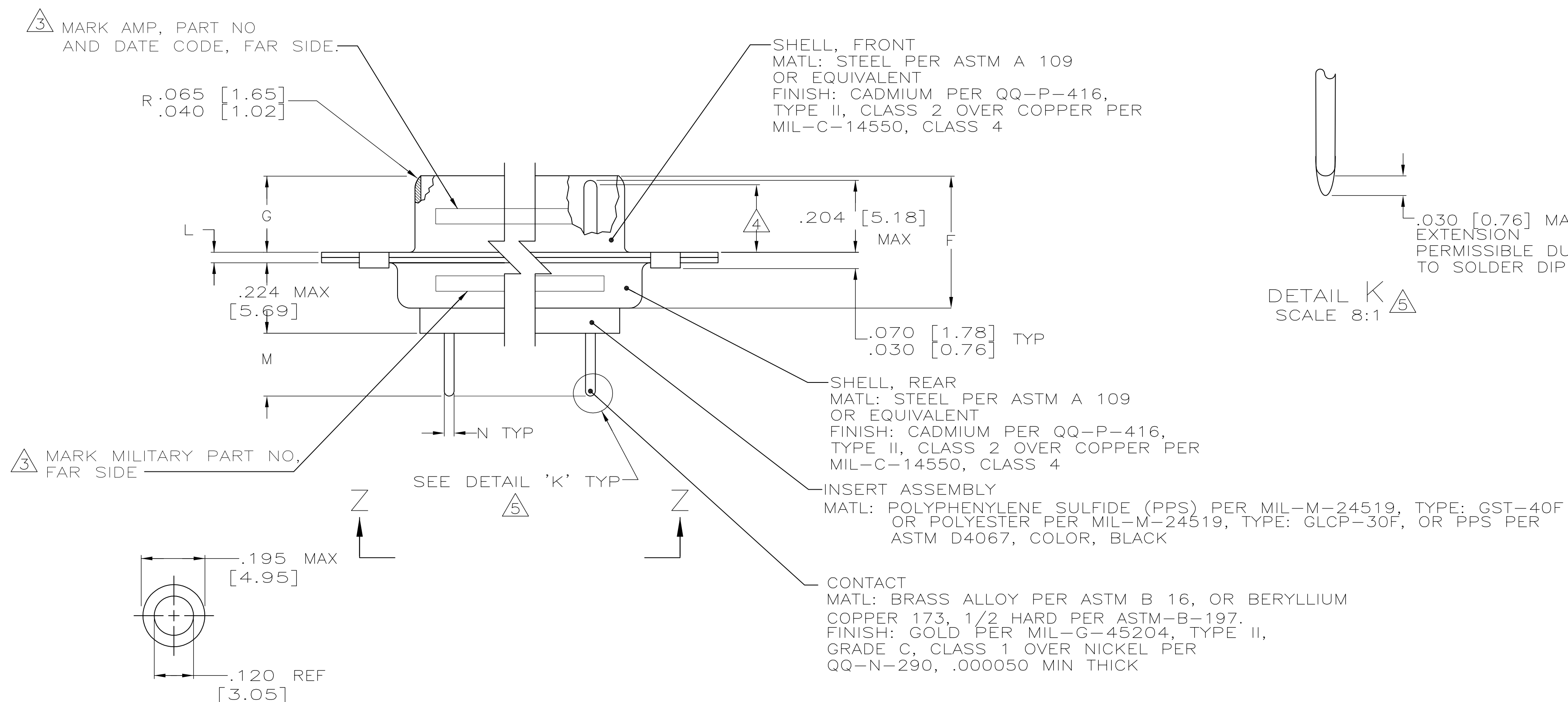




VIEW Z-Z



DETAIL K 
SCALE 8:1

- 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 .094 [2.39]
- ② THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.
- ③ MARK 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 REAR SHELL IS TOO SMALL FOR THE ENTIRE MILITARY PART NUMBER, MARKING SHALL BE LOCATED AS FOLLOWS:
 - A. "M24308" ON FRONT SHELL, FAR SIDE.
 - B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE.
 - C. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
 - D. PART NUMBER ON REAR SHELL, NEAR SIDE.

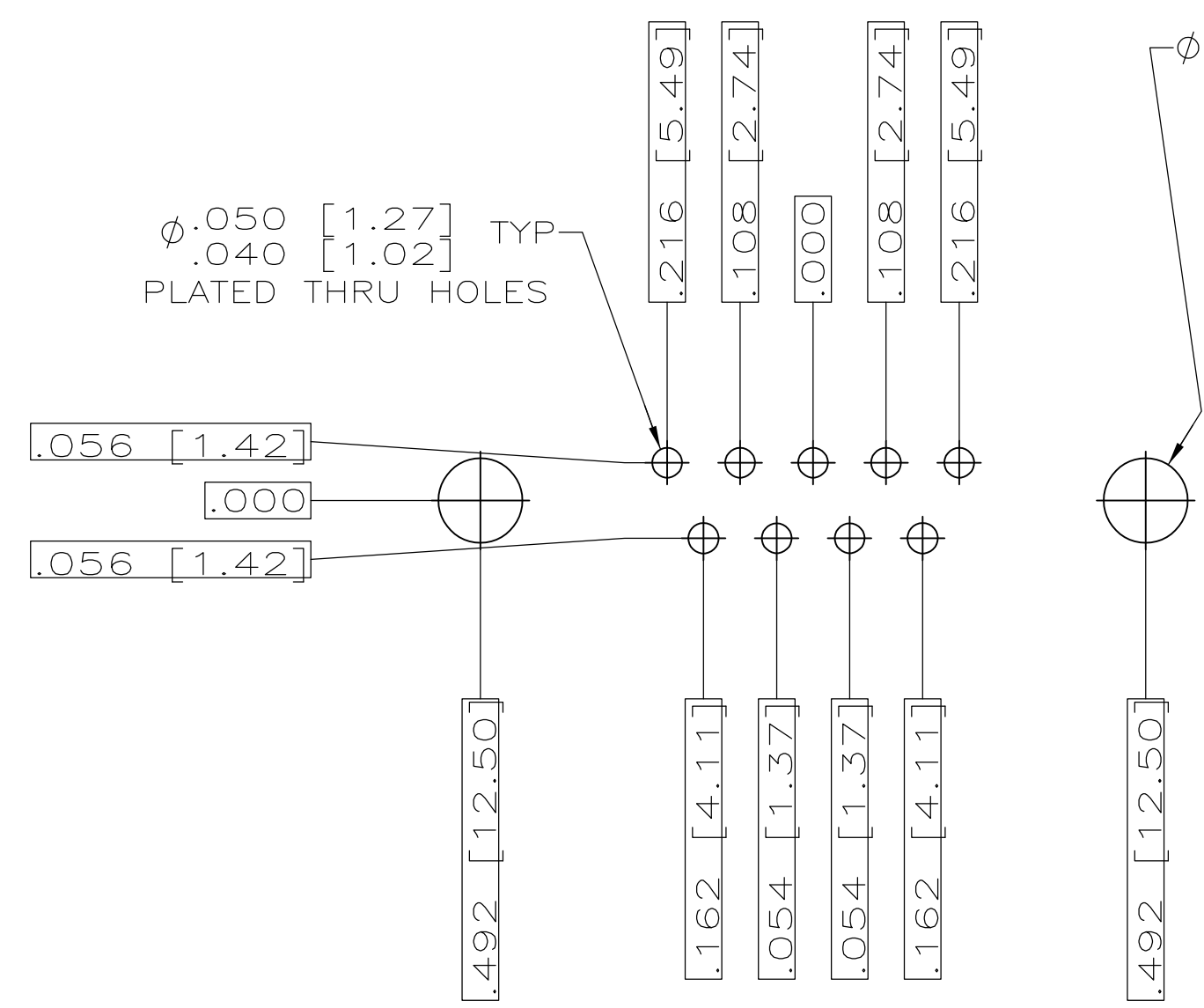
- IF THE FRONT SHELL IS TOO SMALL FOR "AMP", PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:
- A. PART NUMBER ON REAR SHELL, NEAR SIDE.
 - B. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
 - C. MILITARY PART NUMBER ON REAR SHELL, FAR SIDE.

4. REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:
.159 [4.04] MIN, SHELL SIZES 1 AND 2.
.150 [3.81] MIN, SHELL SIZES 3, 4, AND 5.
5. SOLDER DIP PER MIL-STD-2000 COMPOSITION Sn63 CONFORMING TO QQ-S-571.
COVERAGE SHALL BE COMPLETE TO A DISTANCE .020 [0.51] MAX FROM
INSERT ASSEMBLY.
6. THE SOLDER DIP PROCESS IS PERFORMED SUBSEQUENT TO THE COMPLETION
OF PRODUCTION OF THE MILITARY QUALIFIED CONNECTOR. DIMENSIONS
APPLY PRIOR TO SOLDER DIPPING.
7. SPACERS (QTY 2) ARE SUPPLIED WITH CONNECTORS
(NOT ATTACHED TO THE CONNECTOR).
8. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.
9. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE
STANDARDS LISTED IN MIL-STD-100.

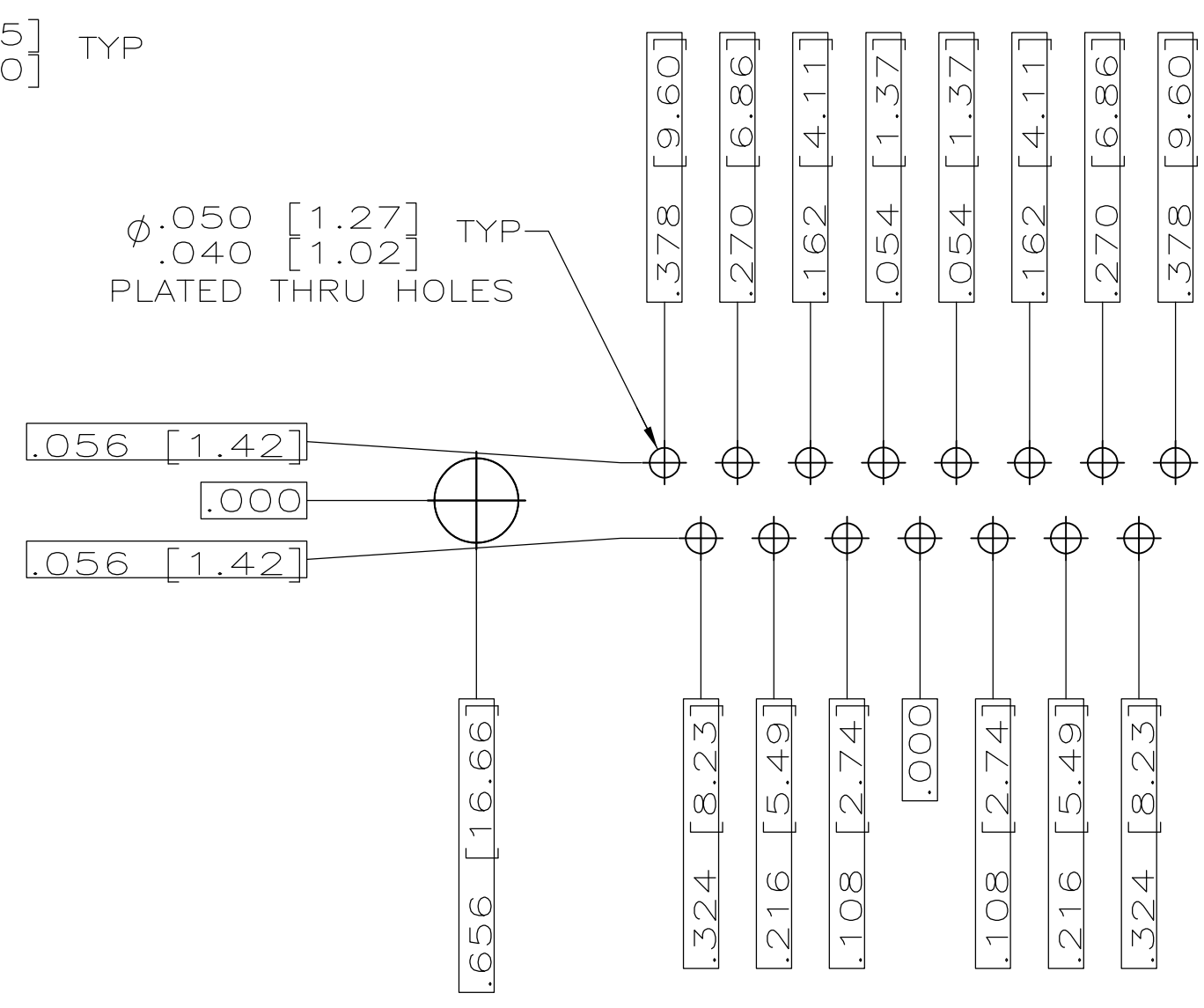
.033 .027 [0.84 0.69]		.208 .168 [5.28 4.27]		.049 [1.24 .029 [0.74]		.544 [13.82 .524 [13.31]		2.188 55.58 2.282 57.96 2.262 57.45		.236 [5.99 .224 [5.69]		.436 [11.07 .416 [10.57]		.620 [15.75 .590 [14.99]		.446 [11.33 .436 [11.07]		2.411 61.24 2.401 60.99		2.084 52.93 2.074 52.68		2.650 67.31 2.620 66.55		MS18277-1	50	5	M24308/24-11F	1218125-5	1-1218125-0 [△] ₅
						.432 [10.97 .412 [10.46]		1.635 41.53 1.615 41.02		.238 [6.05 .229 [5.82]		.432 [10.97 .412 [10.46]		.509 [12.93 .479 [12.17]		.334 [8.48 .324 [8.23]		1.857 47.17 1.847 46.91		1.539 39.09 1.529 38.84		2.103 53.42 2.073 52.65		MS18275-1	25	3	M24308/24-9F	1218125-3	1218125-8 [△] ₅
								1.093 27.76 1.073 27.25										1.317 33.45 1.307 33.20		.999 25.37 .989 25.12		1.556 39.52 1.526 38.76		MS18274-1	15	2	M24308/24-8F	1218125-2	1218125-7 [△] ₅
						.040 [1.02 .020 [0.51]		.432 [10.97 .412 [10.46]		1.635 41.53 1.615 41.02		.238 [6.05 .229 [5.82]		.432 [10.97 .412 [10.46]		.509 [12.93 .479 [12.17]		.334 [8.48 .324 [8.23]		1.857 47.17 1.847 46.91		1.539 39.09 1.529 38.84		2.103 53.42 2.073 52.65		MS18275-1	25	3	M24308/24-9F
.040 [1.02 .020 [0.51]		1.093 27.76 1.073 27.25		1.317 33.45 1.307 33.20		.999 25.37 .989 25.12				1.556 39.52 1.526 38.76										MS18274-1	15	2	M24308/24-8F	1218125-2	1218125-2				
						.769 19.53 .749 [19.02]										.989 25.12 .979 [24.87]		.671 17.04 .661 [16.79]		1.228 31.19 1.198 [30.43]		MS18273-1	9	1	M24308/24-7F	1218125-1	1218125-6 [△] ₅		
				.049 [1.24 .029 [0.74]		.544 [13.82 .524 [13.31]		2.188 55.58 2.282 57.96 2.262 57.45		.236 [5.99 .224 [5.69]		.436 [11.07 .416 [10.57]		.620 [15.75 .590 [14.99]		.446 [11.33 .436 [11.07]		2.411 61.24 2.401 60.99		2.084 52.93 2.074 52.68		2.650 67.31 2.620 66.55		MS18277-1	50	5	M24308/24-11F	1218125-5	1218125-5
				.432 [10.97 .412 [10.46]		2.282 57.96 2.262 57.45		.236 [5.99 .224 [5.69]		.436 [11.07 .416 [10.57]		.509 [12.93 .479 [12.17]		.334 [8.48 .324 [8.23]		2.505 63.63 2.495 63.37		2.187 55.55 2.177 55.30		2.744 69.70 2.714 68.94		MS18276-1	37	4	M24308/24-10F	1218125-4	1218125-4		
						1.635 41.53 1.615 41.02										1.847 46.91 1.857 47.17		1.529 38.84 1.539 39.09		2.073 52.65 2.103 53.42		MS18275-1	25	3	M24308/24-9F	1218125-3	1218125-3		
		.040 [1.02 .020 [0.51]		.432 [10.97 .412 [10.46]		1.093 27.76 1.073 27.25		.238 [6.05 .229 [5.82]		.432 [10.97 .412 [10.46]		.509 [12.93 .479 [12.17]		.334 [8.48 .324 [8.23]		1.317 33.45 1.307 33.20		.999 25.37 .989 25.12		1.556 39.52 1.526 38.76		MS18274-1	15	2	M24308/24-8F	1218125-2	1218125-2		
						.769 19.53 .749 [19.02]										.989 25.12 .979 [24.87]		.671 17.04 .661 [16.79]		1.228 31.19 1.198 [30.43]		MS18273-1	9	1	M24308/24-7F	1218125-1	1218125-1		
N	M	L	J	H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	MILITARY P/N ON CONNECTOR	P/N ON CONNECTOR	PART NUMBER												

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN P_YEAGER 30CE97 QWK G_OVER 30CE97 APVD H_WYNKOOP 30CE97		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —		NAME AMPLITUDE PLUG ASSY, LOW PROFILE SIZE 20 POSTED, .030 DIA LONG POST SERIES 109, SHELL SIZES 1 THRU 5	
		PRODUCT SPEC 		SIZE CAGE CODE DRAWING NO RESTRICTED TO A1 00779 C-1218125	
MATERIAL SEE CALLOUTS		FINISH SEE CALLOUTS		WEIGHT —	
CUSTOMER DRAWING					
				SCALE 4:1 SHEET 1 OF 2 REV F	

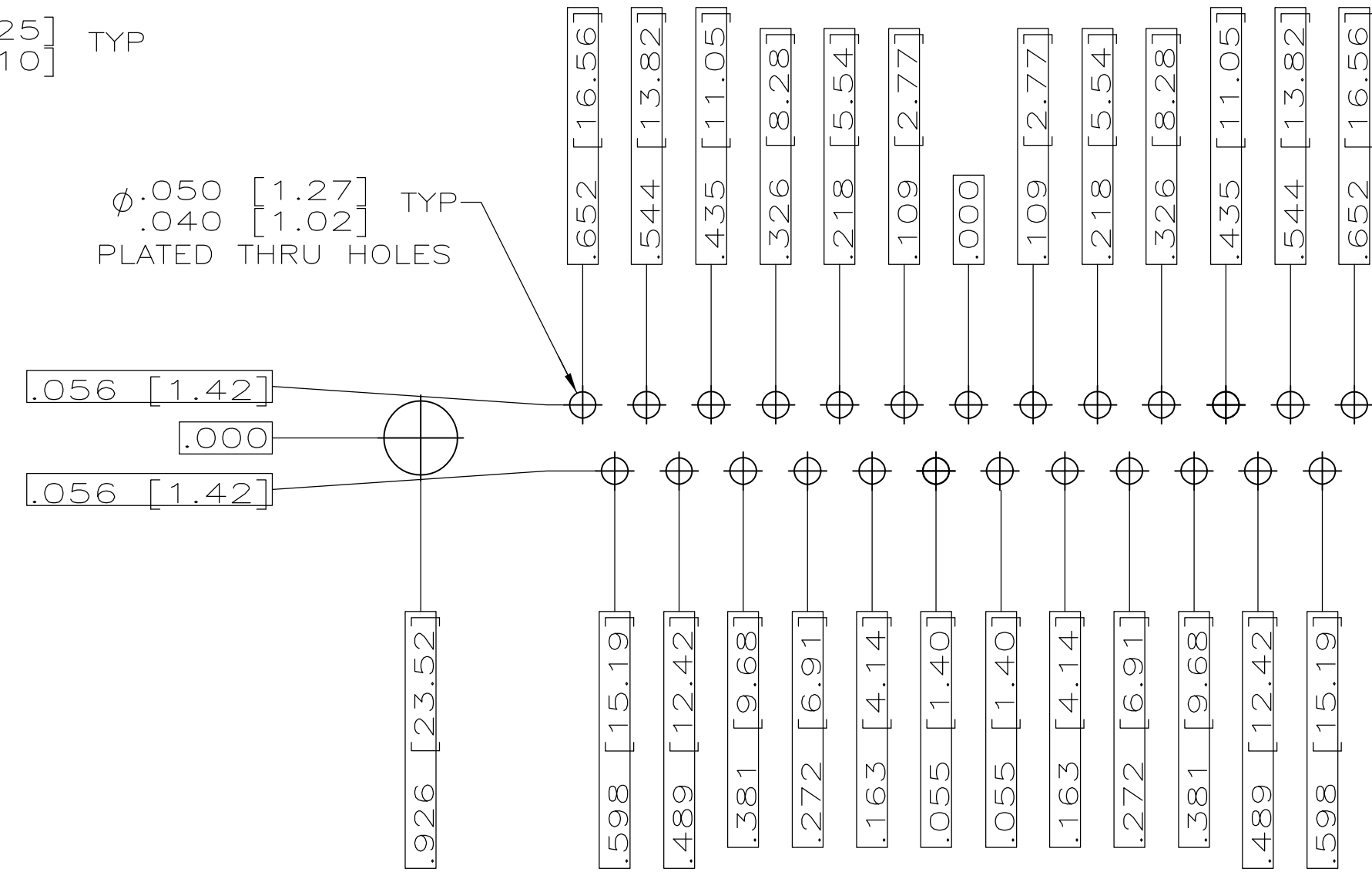
D



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 1 (9 POSITION)



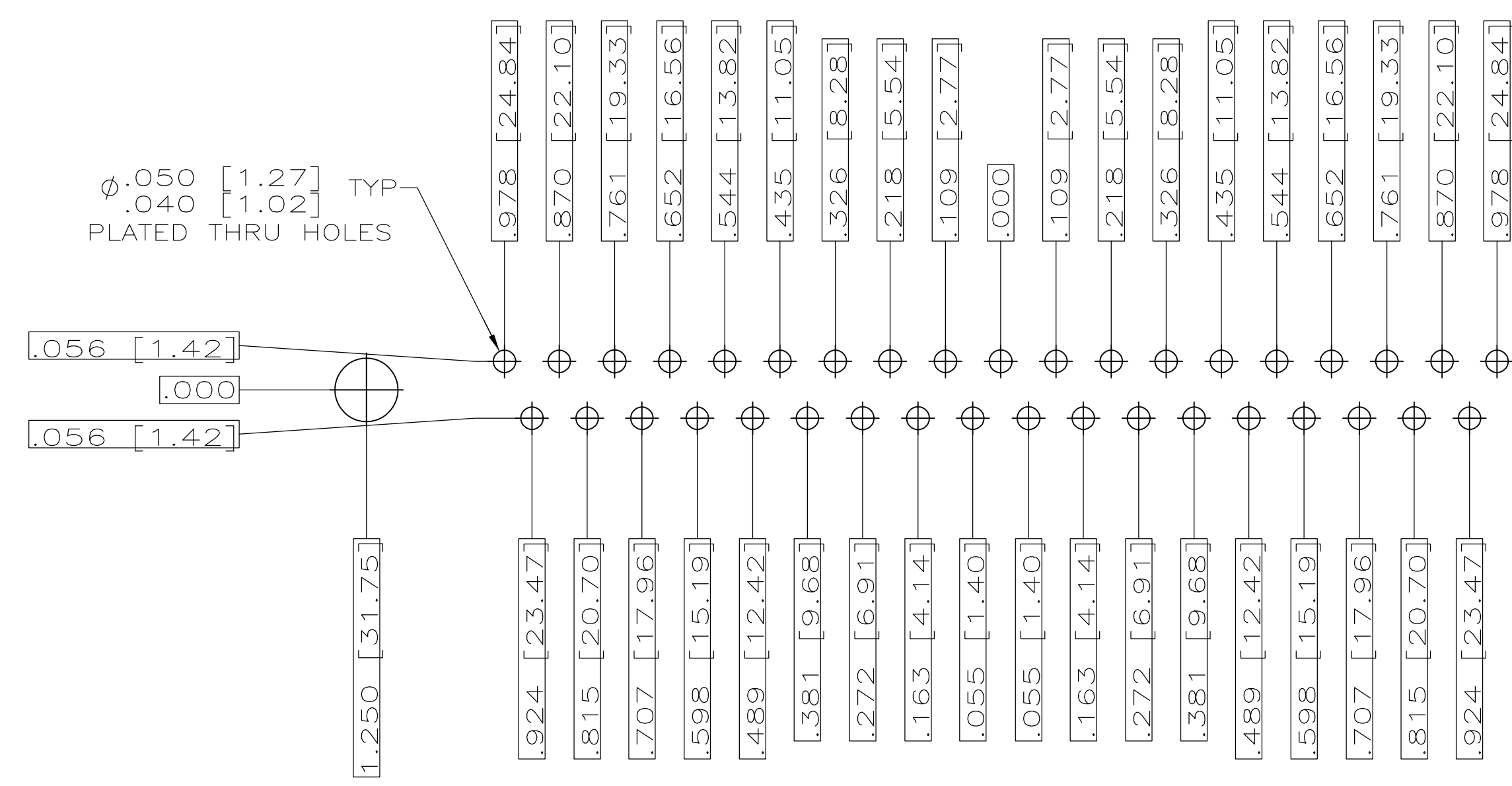
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 2 (15 POSITION)



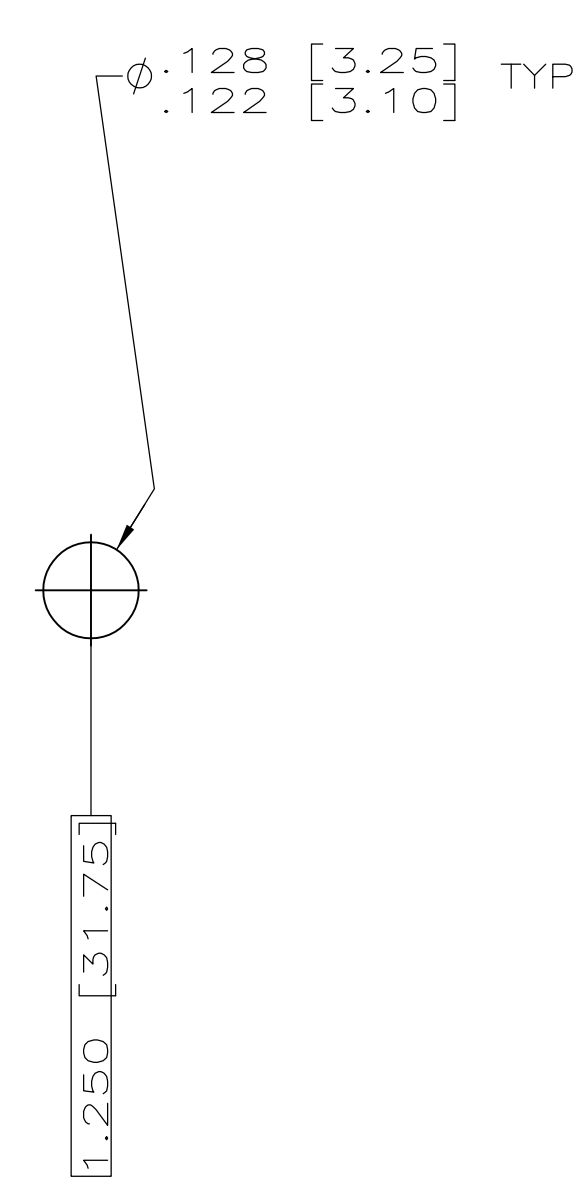
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 3 (25 POSITION)

D

B



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



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 5 (50 POSITION)

B

A

A

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES

± .1
± .1
± .1
± .1
± .1
± .1

FINISH

-

DWN
P. YEAGER
30DEC97

CHK
G. OVER
30DEC97

APVD
G. OVER
30DEC97

APPLICATION SPEC

WEIGHT

-

NAME

AMPLIMITE PLUG ASSY, LOW PROFILE
SIZE 20 POSTED P.C. BOARD CONTACTS,
.030 DIA LONG POST, SERIES 109.

SIZE
CAGE CODE
DRAWING NO

A1 00779 1218125

RESTRICTED TO

-

CUSTOMER DRAWING

SCALE
4:1

SHEET
2

OF
2

REV
F1

TE Connectivity

TE

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[M24308/24-11F](#) [M24308/24-8F](#) [M24308/24-10F](#) [M24308/24-9F](#)