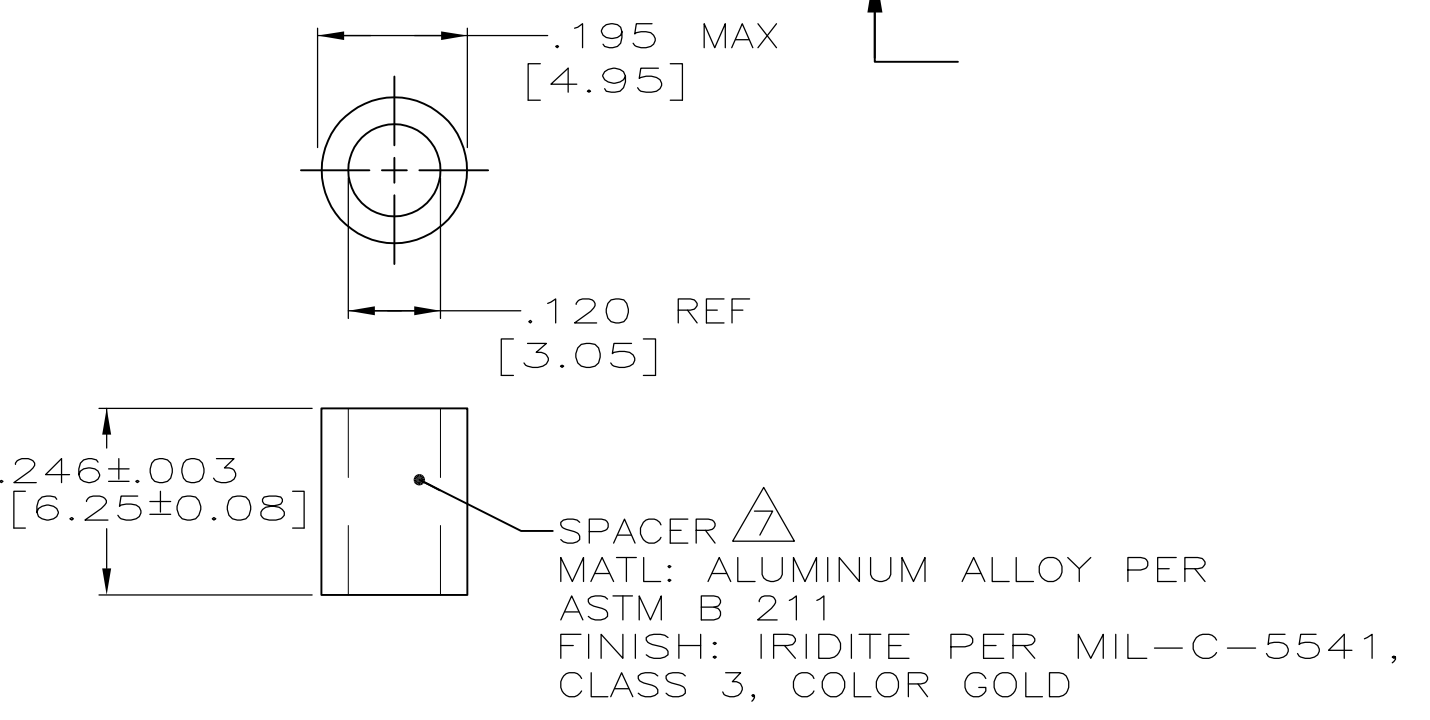
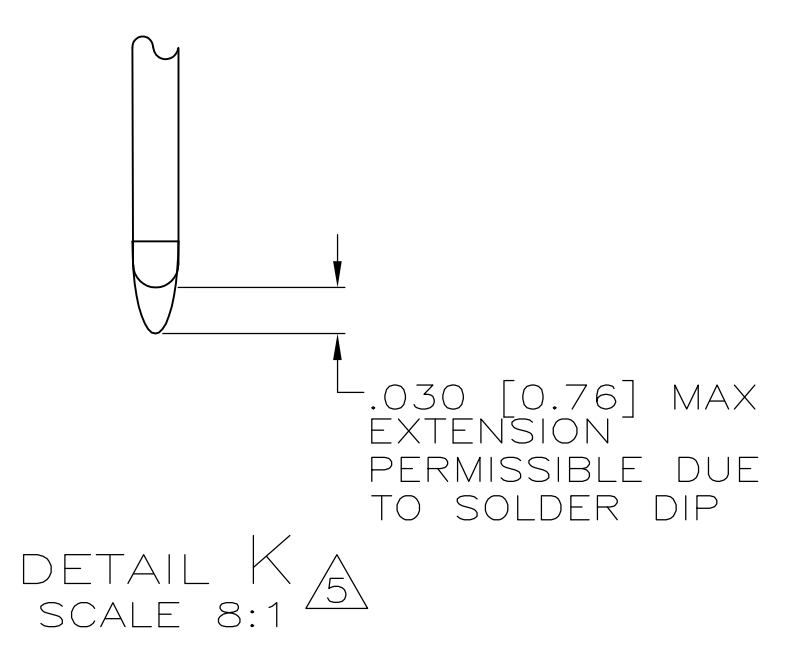
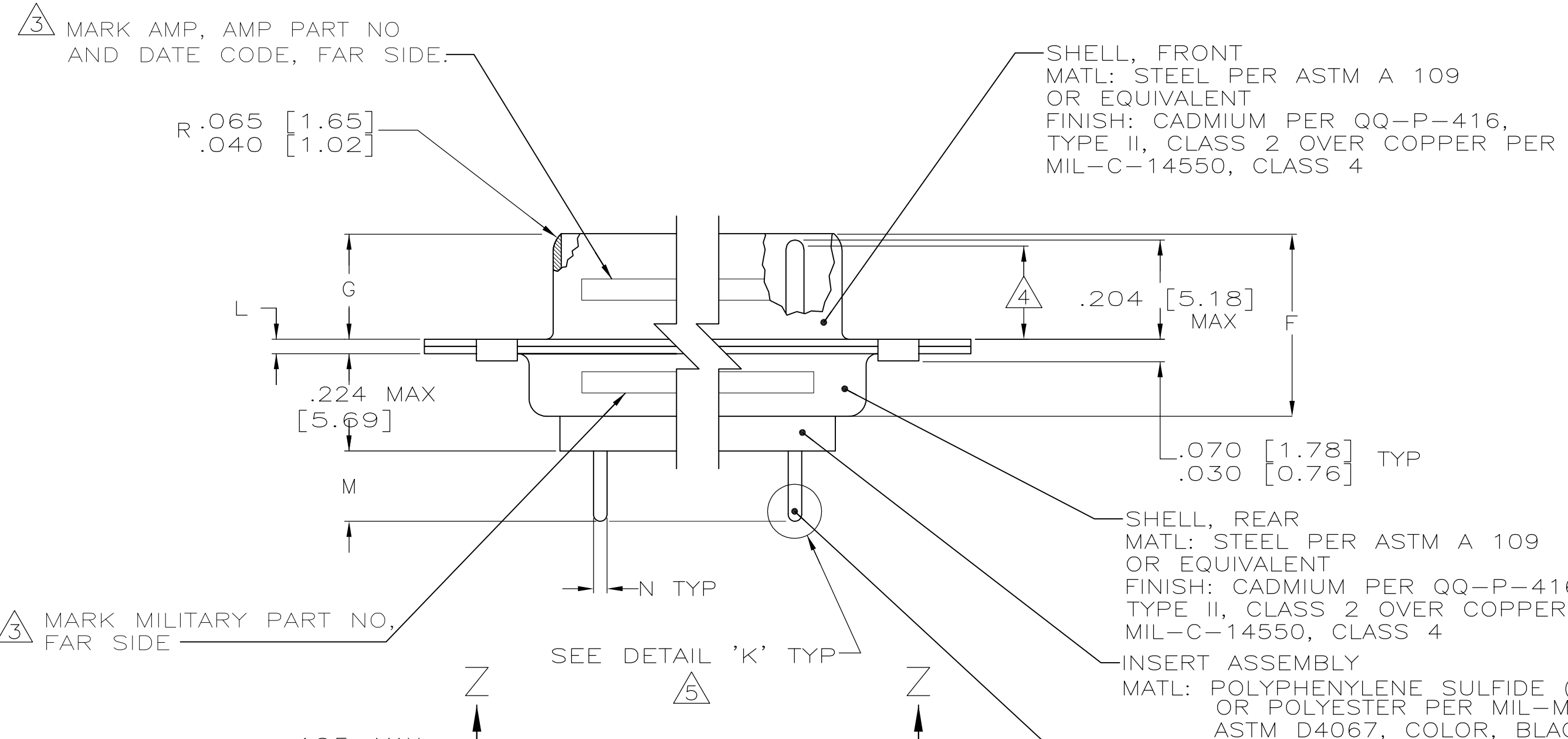
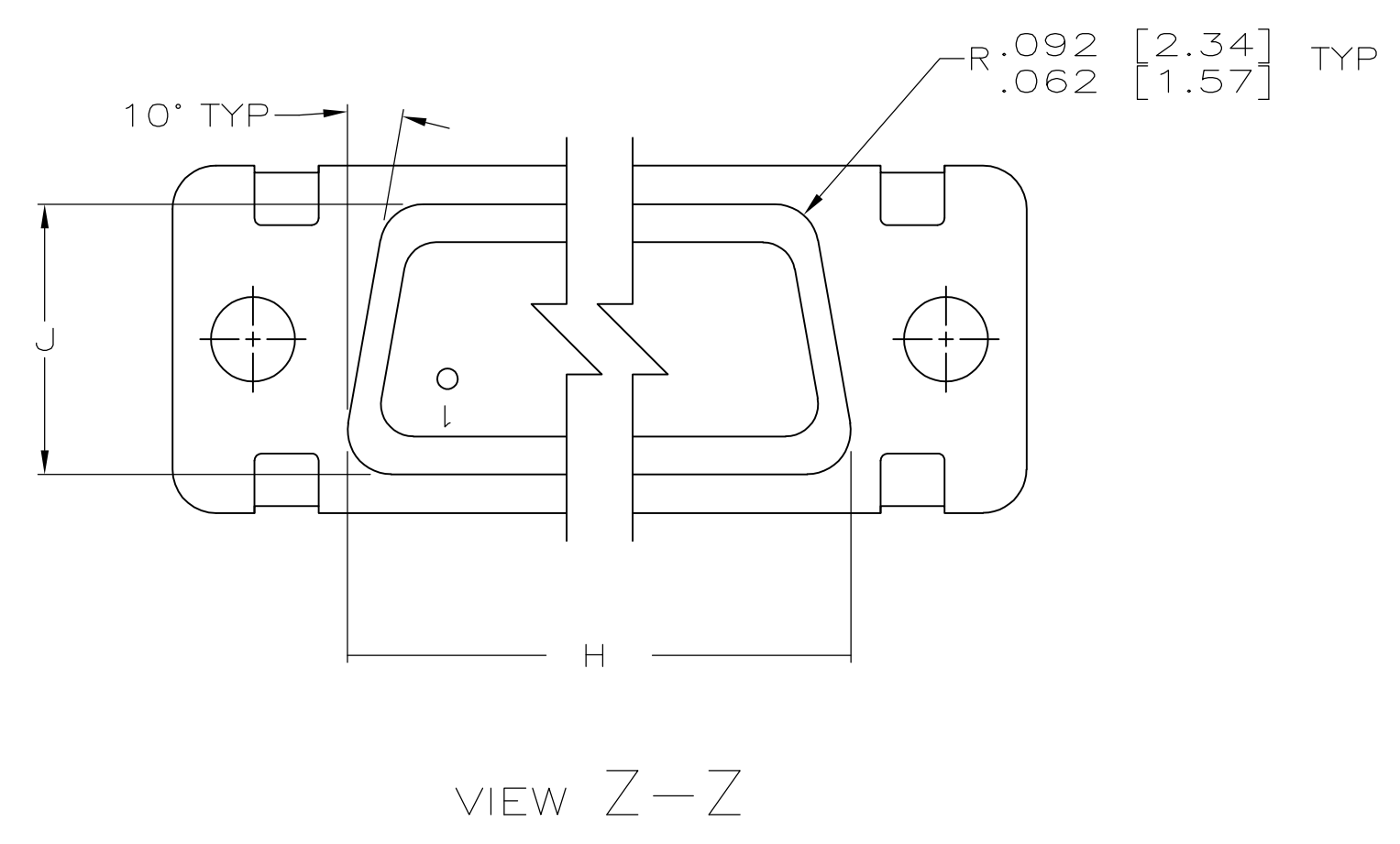
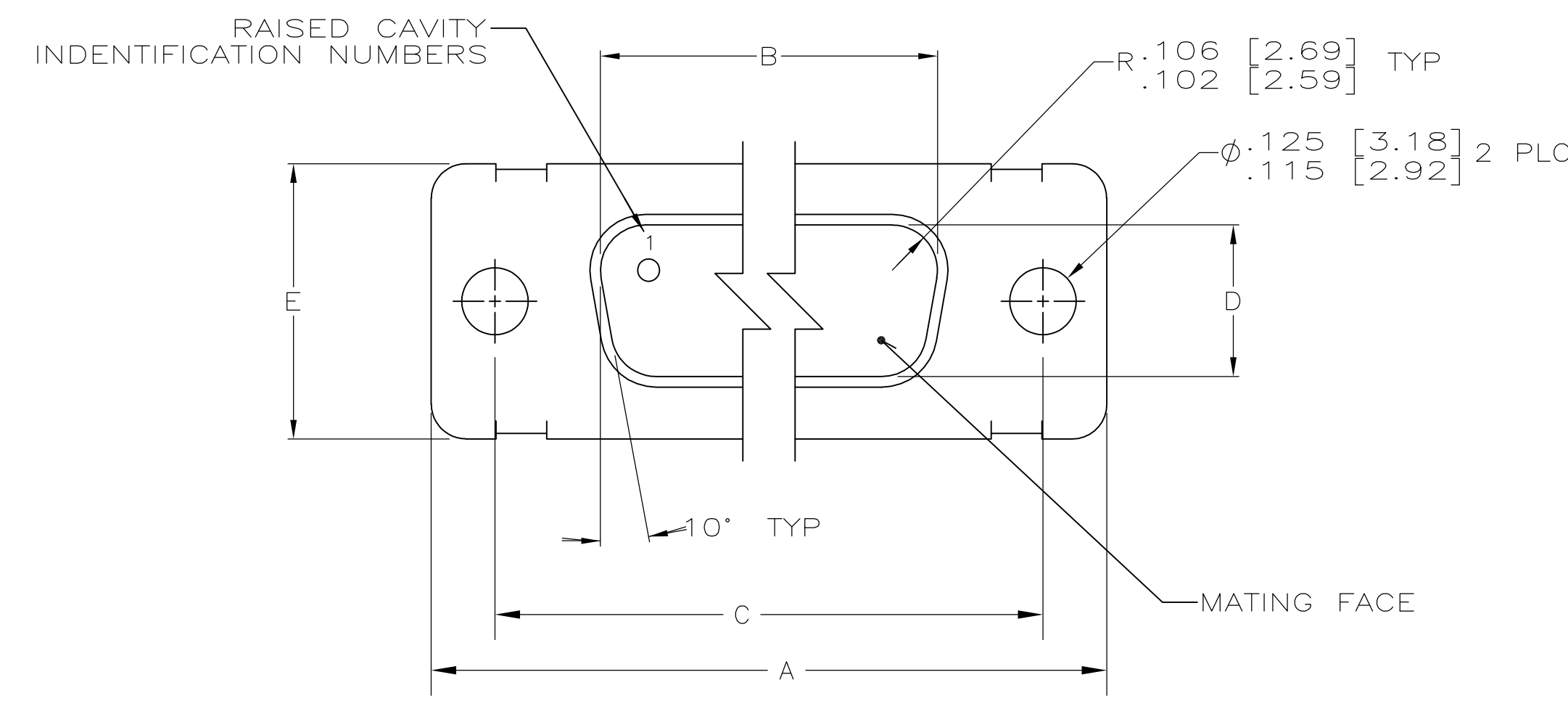


REVISONS		DATE	BY	APPV
F	REV PER ECO-07-017102	31AUG07	PY	BW



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

N	M	L	J	H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	MILITARY P/N ON CONNECTOR	AMP P/N ON CONNECTOR	PART NUMBER
		.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	M24308/24-17F	1218126-5	1-1218126-0
		.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635-41.53 1.615 [41.02]	.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	M24308/24-16F	1218126-4	1218126-9
		.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]	1.857 [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	M24308/24-15F	1218126-3	1218126-8
		.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	M24308/24-14F	1218126-2	1218126-7
		.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]	1.307 [33.20] .989 [25.12]	.989 [25.12] .671 [17.04]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	M24308/24-13F	1218126-1	1218126-6
		.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	M24308/24-17F	1218126-5	1218126-5
		.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635-41.53 1.615 [41.02]	.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	M24308/24-16F	1218126-4	1218126-4
		.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]	1.857 [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	M24308/24-15F	1218126-3	1218126-3
		.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	M24308/24-14F	1218126-2	1218126-2
		.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]	1.307 [33.20] .989 [25.12]	.671 [17.04] .661 [16.79]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	M24308/24-13F	1218126-1	1218126-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± -	1 PLC ± -	2 PLC ± -	3 PLC ± -	4 PLC ± -	ANGLES ± -
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MATERIAL: SEE CALLOUTS FINISH: SEE CALLOUTS

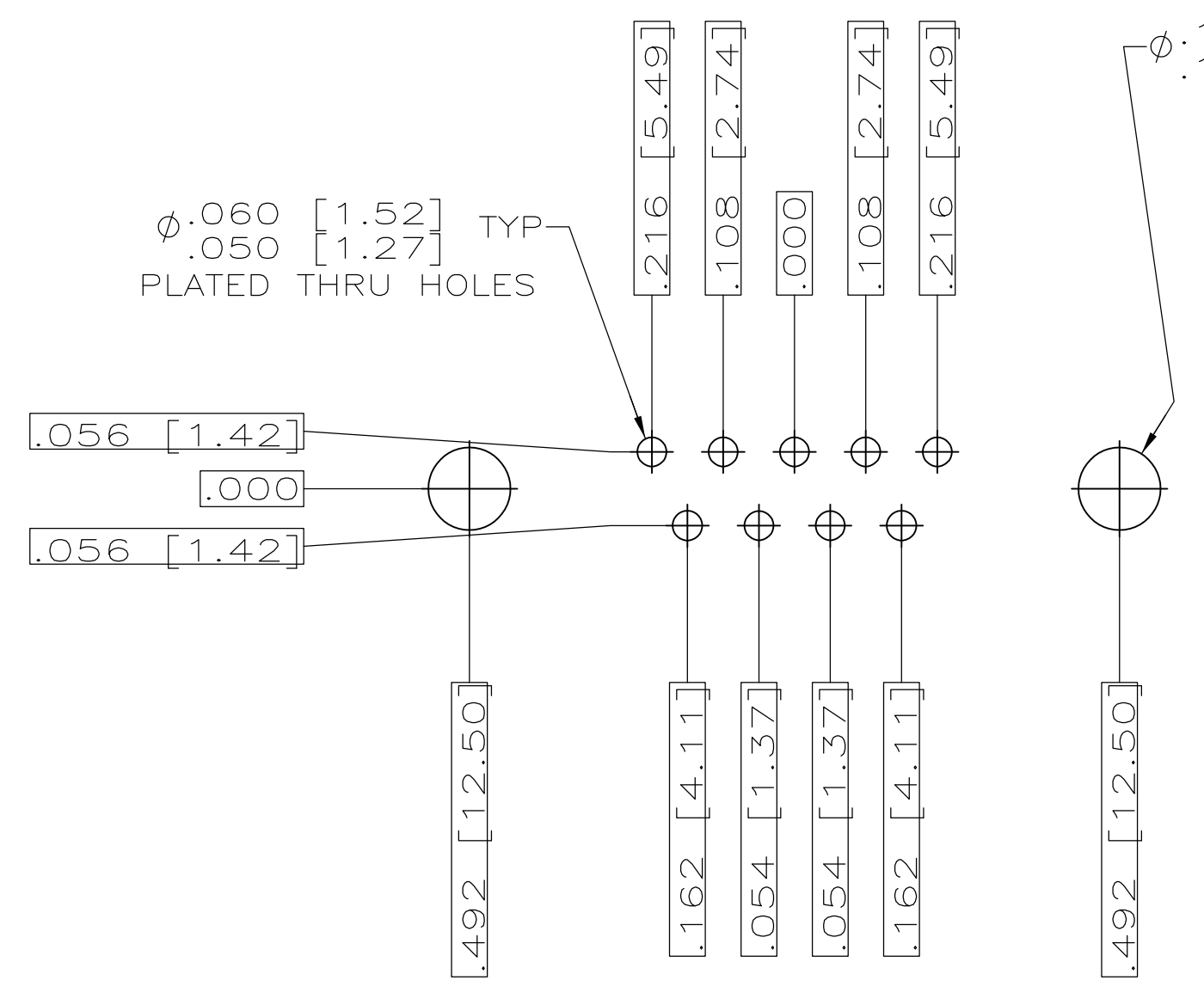
APPROVED: G. OYER (30DEC97) NAME: WYNKOOP (30DEC97)

PRODUCT SPEC: AMPLIMITE PLUG ASSY, LOW PROFILE SIZE 20 POSTED CONTACTS, .040 DIA SHORT POST SERIES 109, SHELL SIZES 1 THRU 5

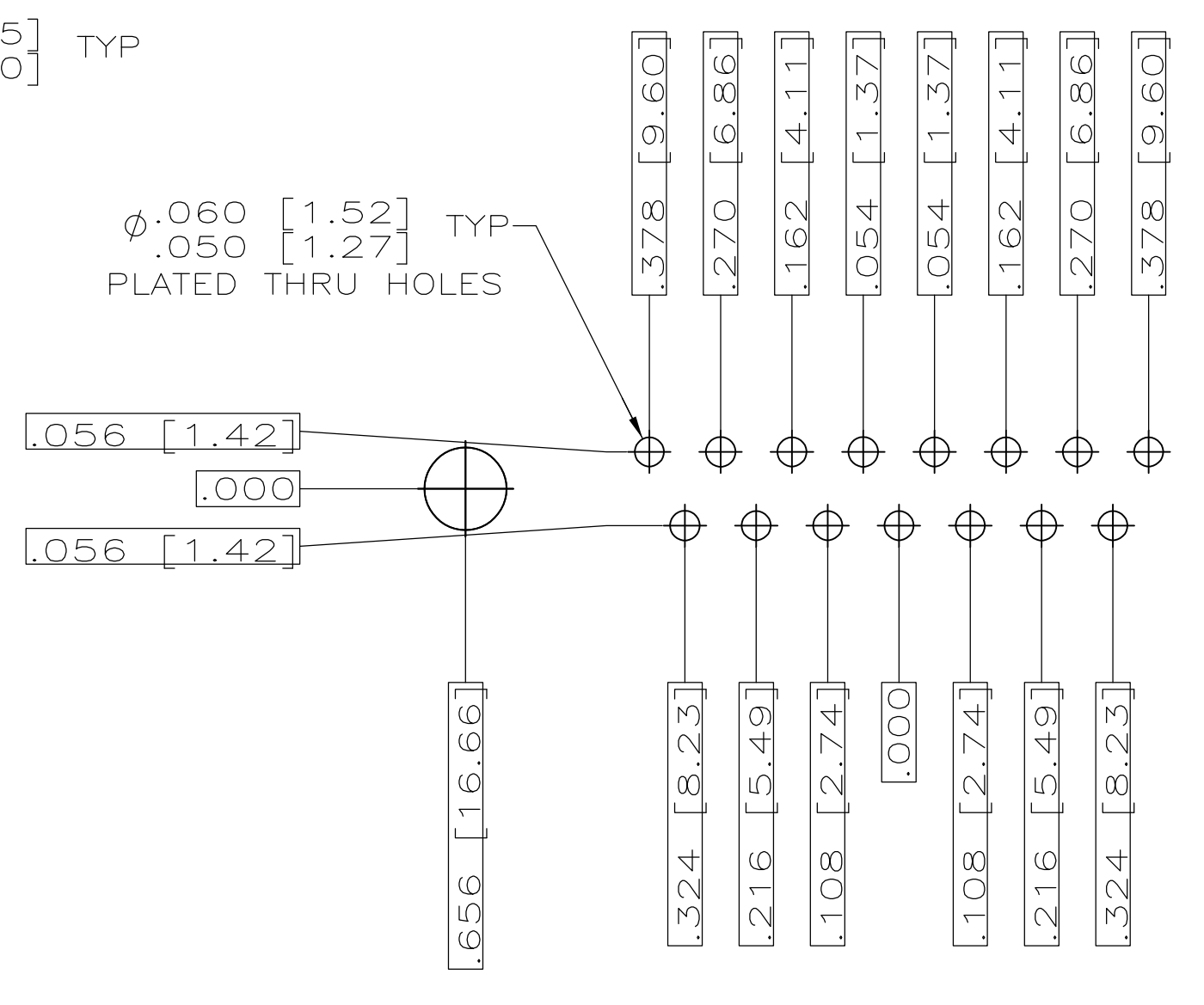
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WEIGHT: -

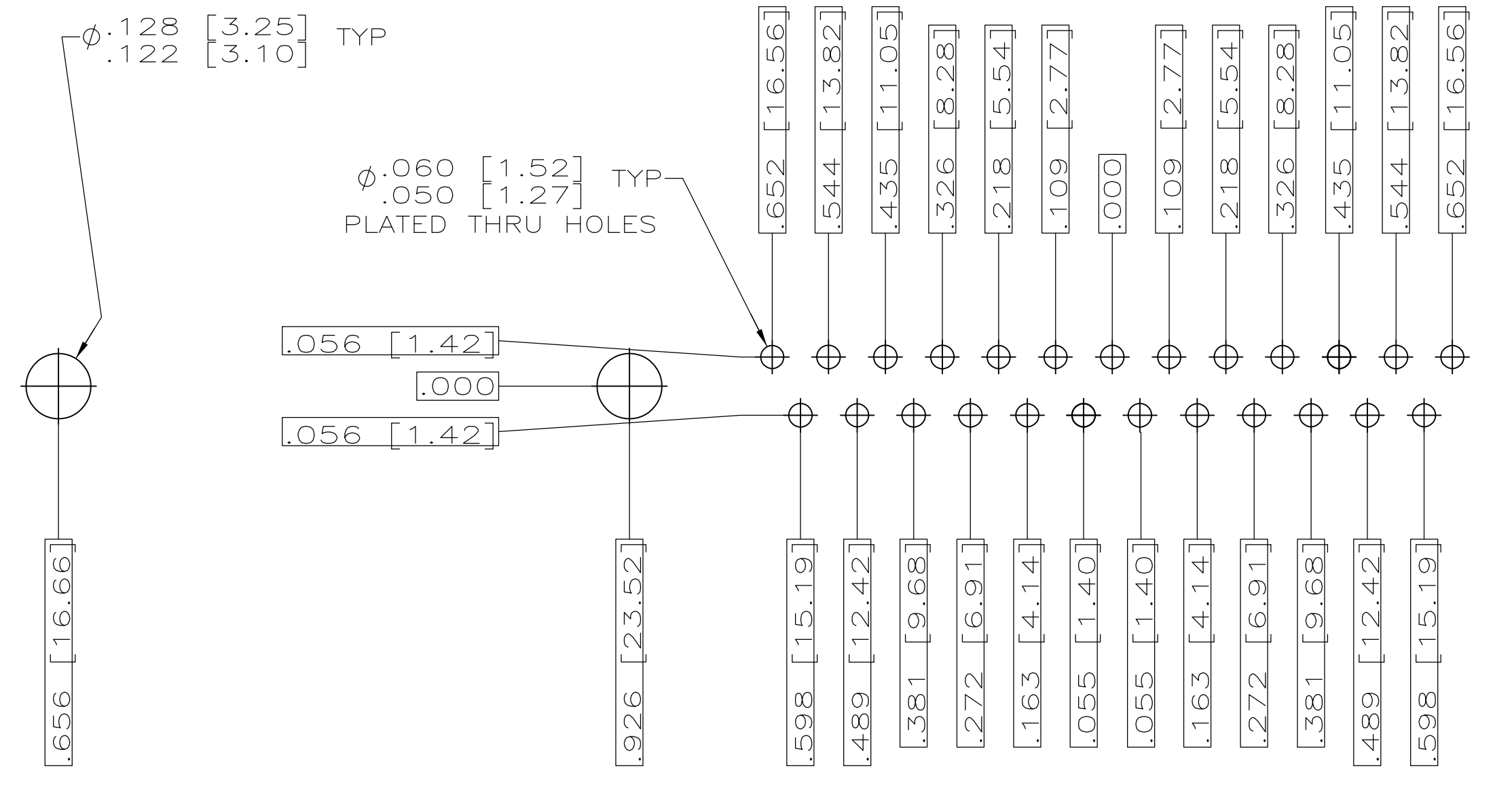
CUSTOMER DRAWING SCALE: 4:1 SHEET: 1 OF 2 REV: F



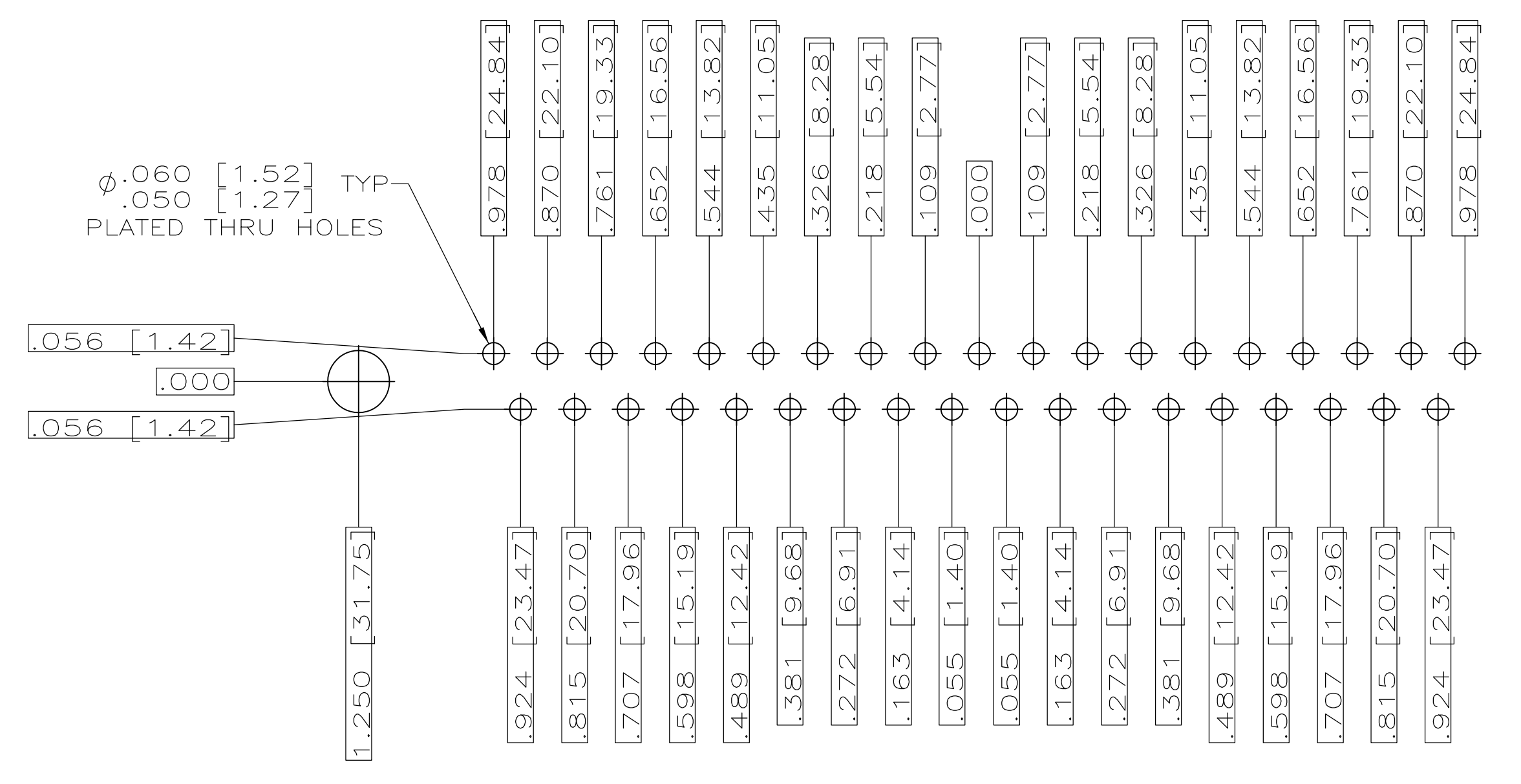
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 1 (9 POSITION) ⚠



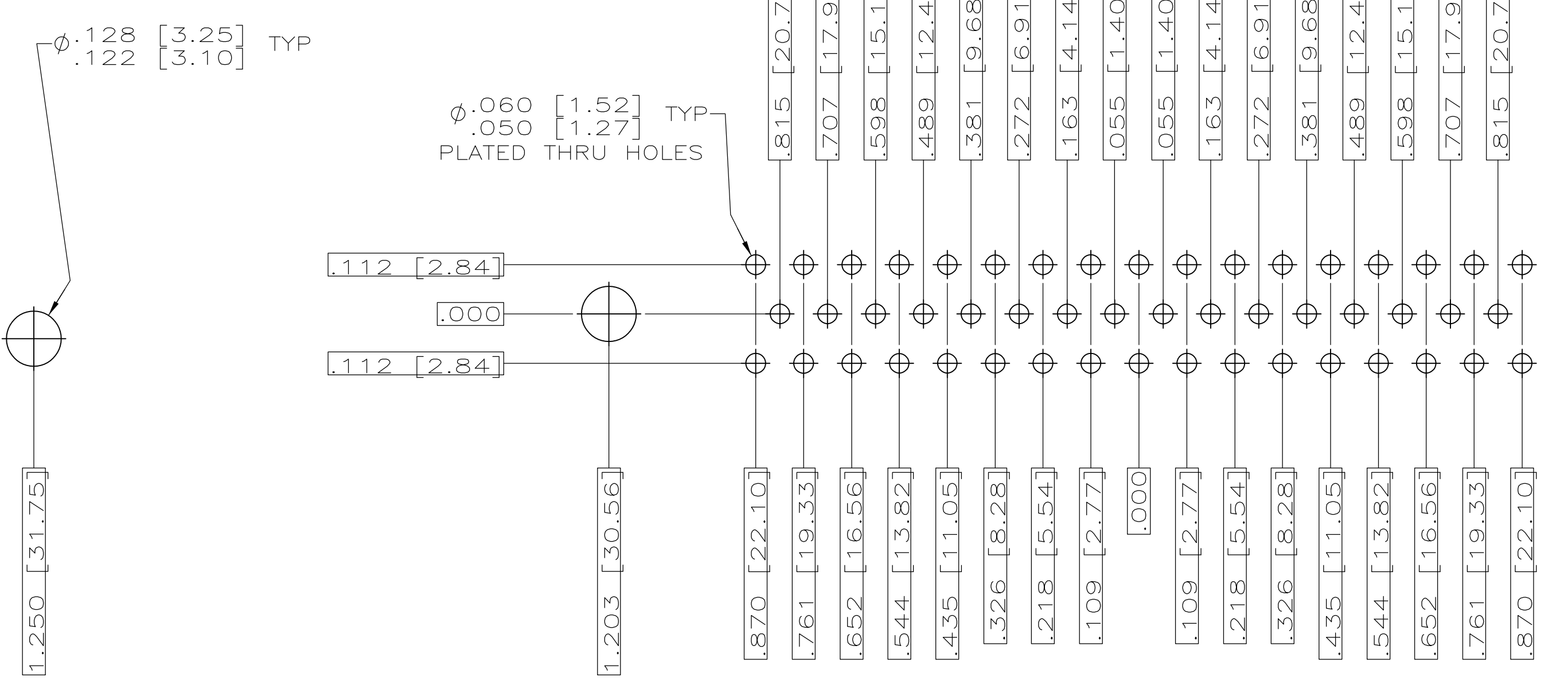
RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 2 (15 POSITION) ⚠



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



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



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN P. YEAGER 30DEC97	Tyco Electronics Tyco Electronics Corporation Harrisburg, PA 17105-3608
DIMENSIONS: INCHES		CHK G. OVER 30DEC97	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD G. OVER 30DEC97	NAME AMPLIMITE PLUG ASSY, LOW PROFILE SIZE 20 POSTED P.C. BOARD CONTACTS, .040 DIA SHORT POST, SERIES 109,
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES		PRODUCT SPEC	
MATERIAL		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO
FINISH		WEIGHT	A1 00779 1218126
		CUSTOMER DRAWING	SCALE 4:1 SHEET 2 OF 2 REV F