

D

C

B

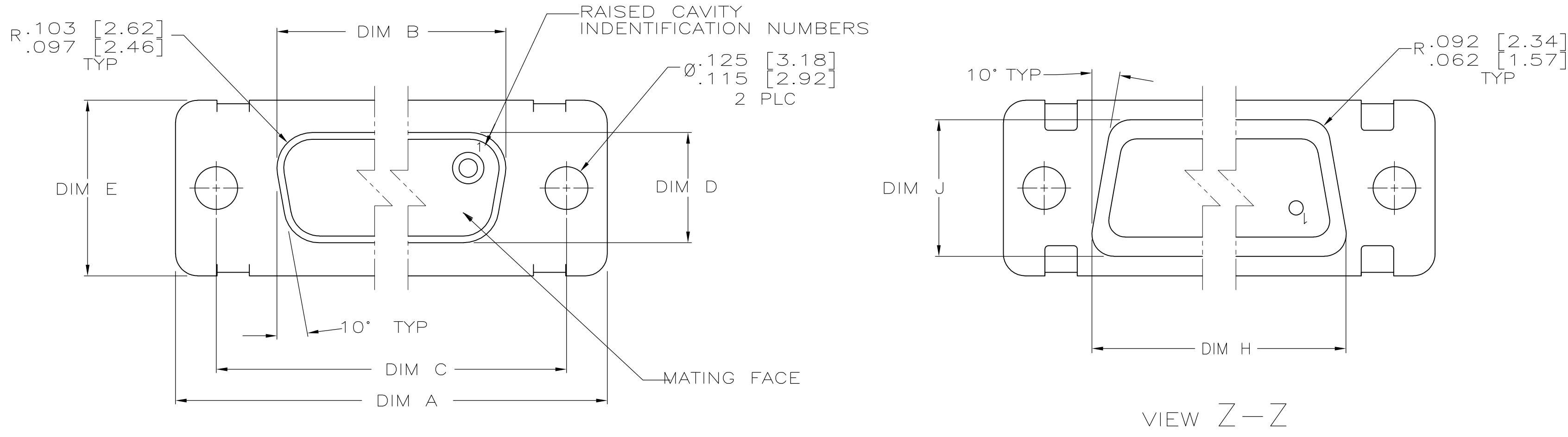
A

D

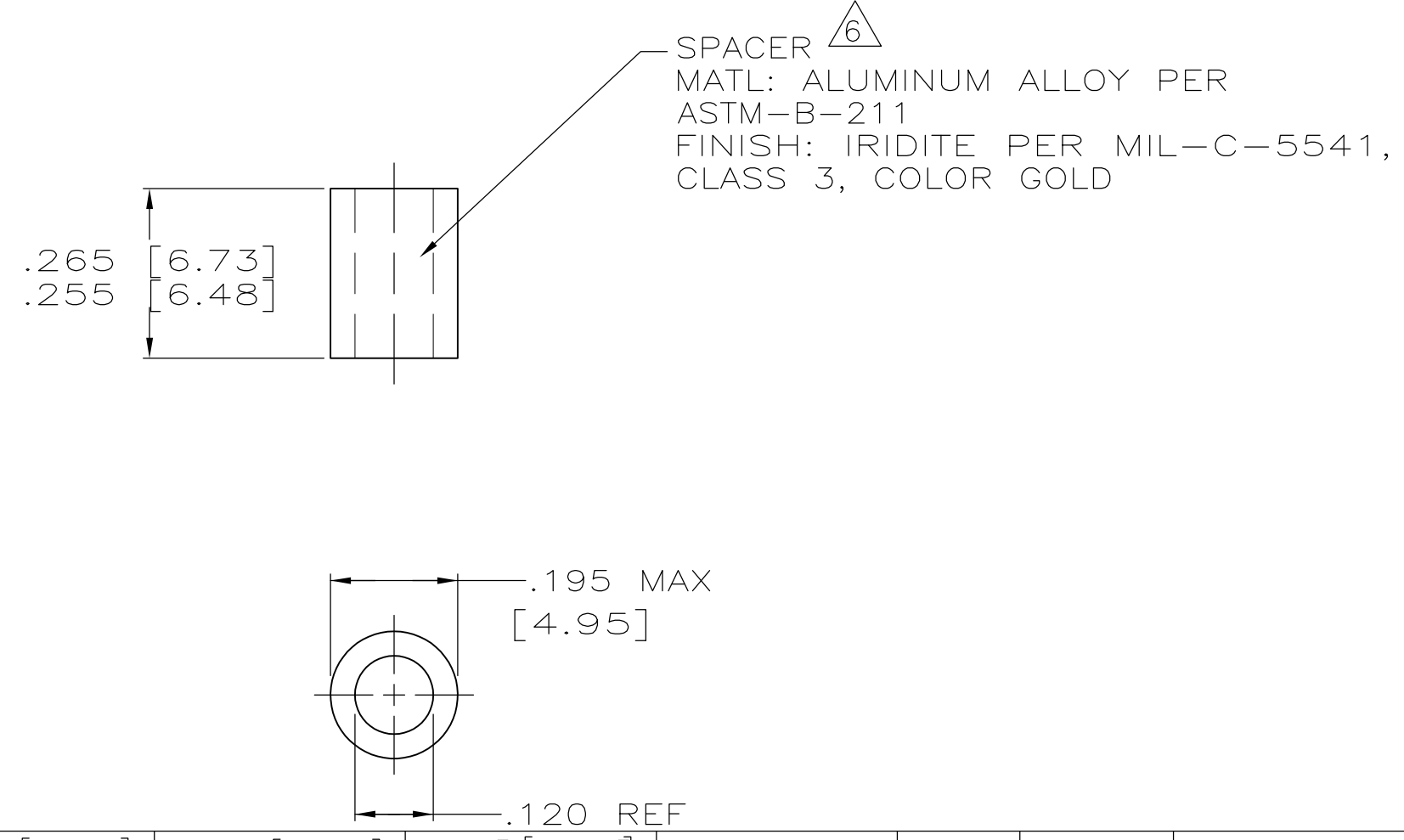
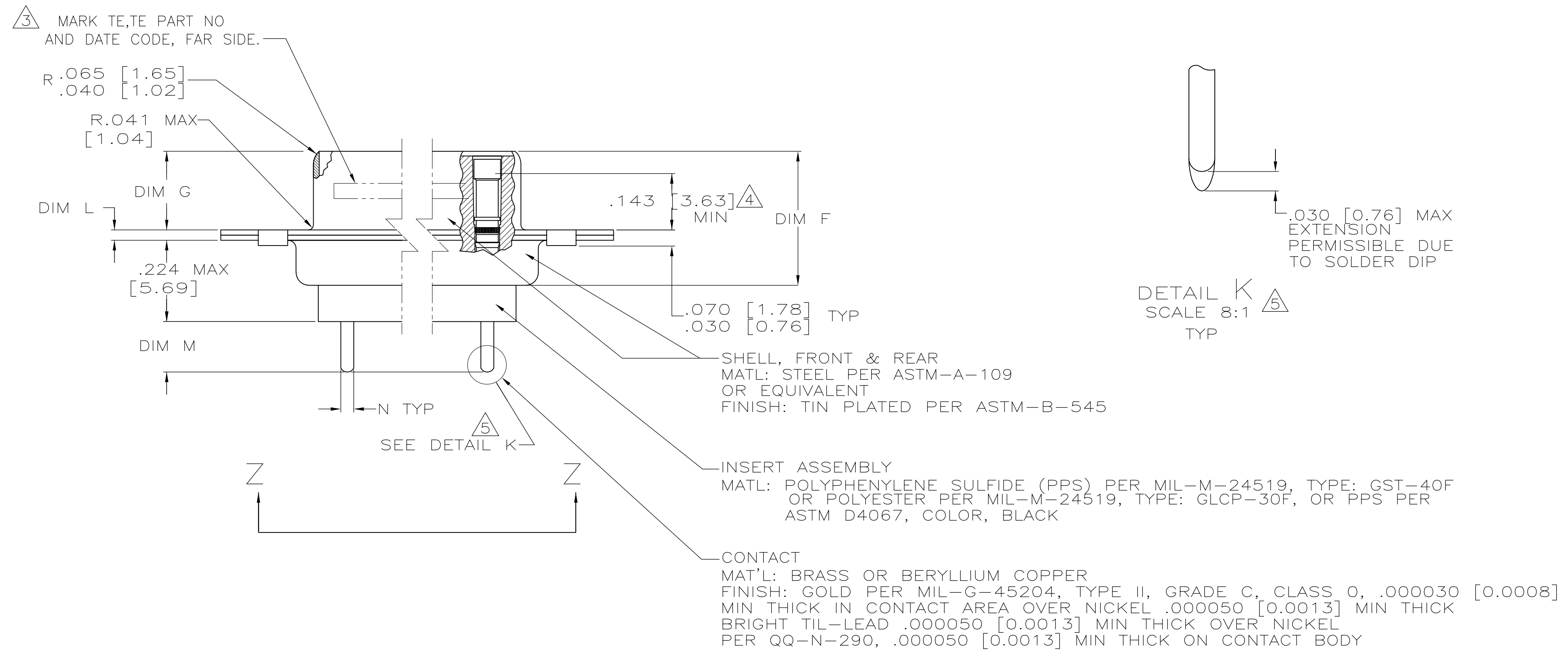
C

B

A



- 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 .125 [3.18]
- THE CONNECTORS DESCRIBED IN THIS DOCUMENT WILL MATE WITH ANY PLUG CONNECTOR WITH THE SAME INSERT ARRANGEMENT.
- 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 FRONT SHELL IS TOO SMALL FOR "TE", TE PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:
A. TE PART NUMBER ON REAR SHELL, NEAR SIDE.
B. "TE" AND DATE CODE ON FRONT SHELL, NEAR SIDE.
- POINT OF ELECTRICAL ENGAGEMENT - AS MEASURED WITH A .0390 [0.991]-.0393 [0.998] DIA SQUARE ENDED TEST PIN.
- SOLDER DIPPED 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.
- SPACERS (QTY 2) ARE SUPPLIED WITH CONNECTORS (NOT ATTACHED TO THE CONNECTOR).
7. DIMENSIONS APPLY PRIOR TO SOLDER DIPPING.



.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.544 .524	[13.82] [13.31]	2.188 2.168	[55.58] [55.07]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.620 .590	[15.75] [14.99]	.428 .418	[10.87] [10.62]	2.411 2.401	[61.24] [60.99]	2.069 2.059	[52.55] [52.30]	2.650 2.620	[67.31] [66.55]	MS18277-1	50	5	1218293-5	1-1218293-0
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	2.282 2.262	[57.96] [57.45]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	2.505 2.495	[63.63] [63.37]	2.164 2.154	[54.97] [54.71]	2.744 2.714	[69.70] [68.94]	MS18276-1	37	4	1218293-4	1218293-9
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	1.635 1.615	[41.53] [41.02]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	1.857 1.847	[47.17] [46.91]	1.516 1.506	[38.51] [38.25]	2.103 2.073	[53.42] [52.65]	MS18275-1	25	3	1218293-3	1218293-8
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	1.093 1.073	[27.76] [27.25]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	1.317 1.307	[33.45] [33.20]	.976 .966	[24.79] [24.54]	1.556 1.526	[39.52] [38.76]	MS18274-1	15	2	1218293-2	1218293-7
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	.769 .749	[19.53] [19.02]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	.989 .979	[25.12] [24.87]	.648 .638	[16.46] [16.21]	1.228 1.198	[31.19] [30.43]	MS18273-1	9	1	1218293-1	1218293-6
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.544 .524	[13.82] [13.31]	2.188 2.168	[55.58] [55.07]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.620 .590	[15.75] [14.99]	.428 .418	[10.87] [10.62]	2.411 2.401	[61.24] [60.99]	2.069 2.059	[52.55] [52.30]	2.650 2.620	[67.31] [66.55]	MS18277-1	50	5	1218293-5	1218293-5
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	2.282 2.262	[57.96] [57.45]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	2.505 2.495	[63.63] [63.37]	2.164 2.154	[54.97] [54.71]	2.744 2.714	[69.70] [68.94]	MS18276-1	37	4	1218293-4	1218293-4
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	1.635 1.615	[41.53] [41.02]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	1.857 1.847	[47.17] [46.91]	1.516 1.506	[38.51] [38.25]	2.103 2.073	[53.42] [52.65]	MS18275-1	25	3	1218293-3	1218293-3
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	1.093 1.073	[27.76] [27.25]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	1.317 1.307	[33.45] [33.20]	.976 .966	[24.79] [24.54]	1.556 1.526	[39.52] [38.76]	MS18274-1	15	2	1218293-2	1218293-2
.033 .027	[0.84] [0.69]	.176 .136	[4.47] [3.45]	.040 .020	[1.02] [0.51]	.432 .412	[10.97] [10.46]	.769 .749	[19.53] [19.02]	.248 .238	[6.30] [6.05]	.439 .419	[11.15] [10.64]	.509 .479	[12.93] [12.17]	.316 .306	[8.03] [7.77]	.989 .979	[25.12] [24.87]	.648 .638	[16.46] [16.21]	1.228 1.198	[31.19] [30.43]	MS18273-1	9	1	1218293-1	1218293-1
N	M			L		J		H		G		F		E		D		C		B		A		INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	TE PN ON CONNECTOR	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± .0005
1 PLC ± .0005
2 PLC ± .0005
3 PLC ± .0005
4 PLC ± .0005

MATERIAL SEE CALLOUTS

FINISH SEE CALLOUTS

WEIGHT

CUSTOMER DRAWING

DWN C.C.THOMAS 140CT99

CHK D.HOFFMAN 180CT99

APVD D.HOFFMAN 180CT99

NAME

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

Tyco Electronics

Tyco Electronics Corporation

Harrisburg, PA 17105-3608

AMPLIMITE RECEPTACLE ASSY, LOW PROFILE

SIZE 20 POSTED CONTACTS

SERIES 109, SIZE 1 THRU 5

1218293

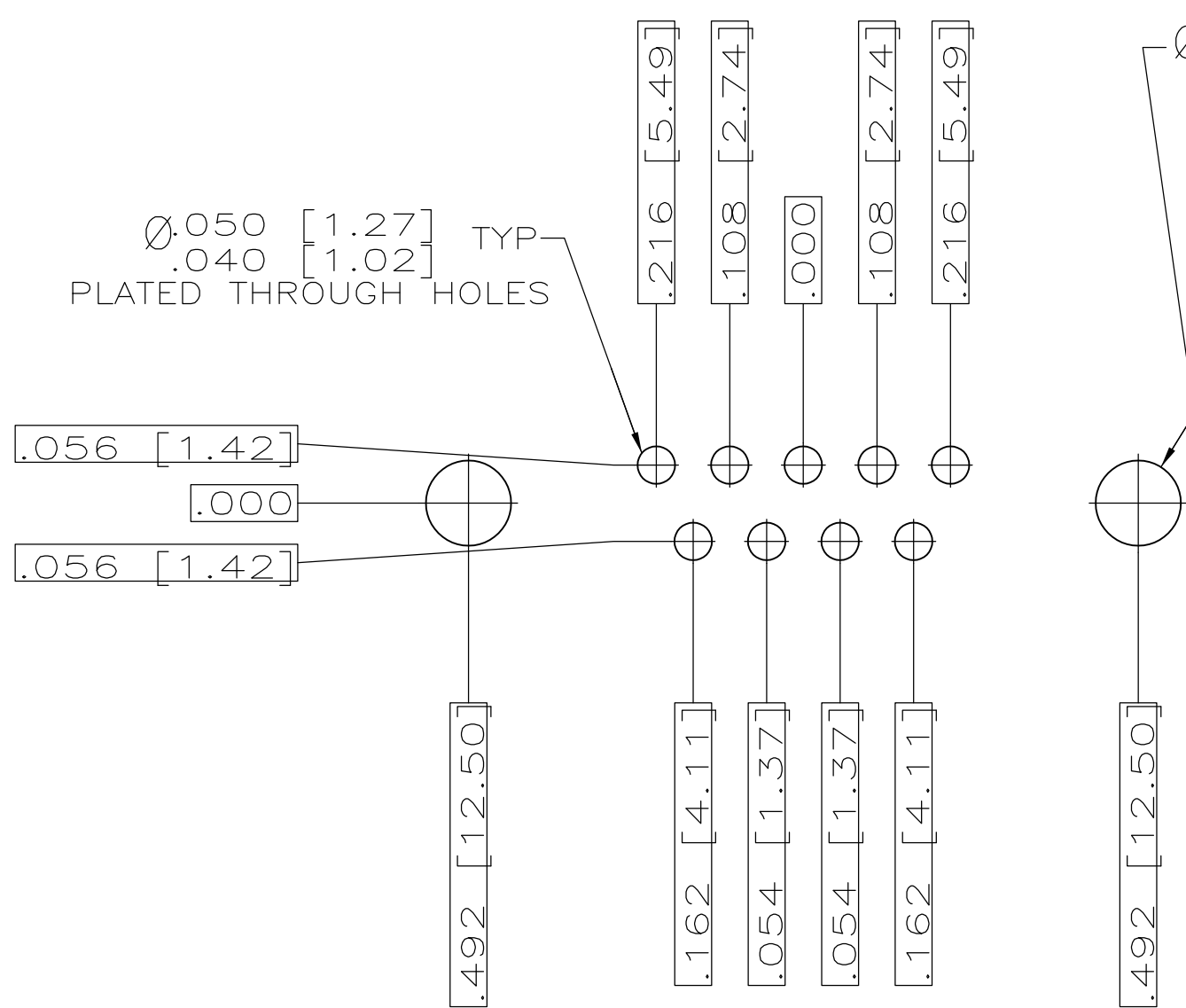
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SHEET 1 OF 2

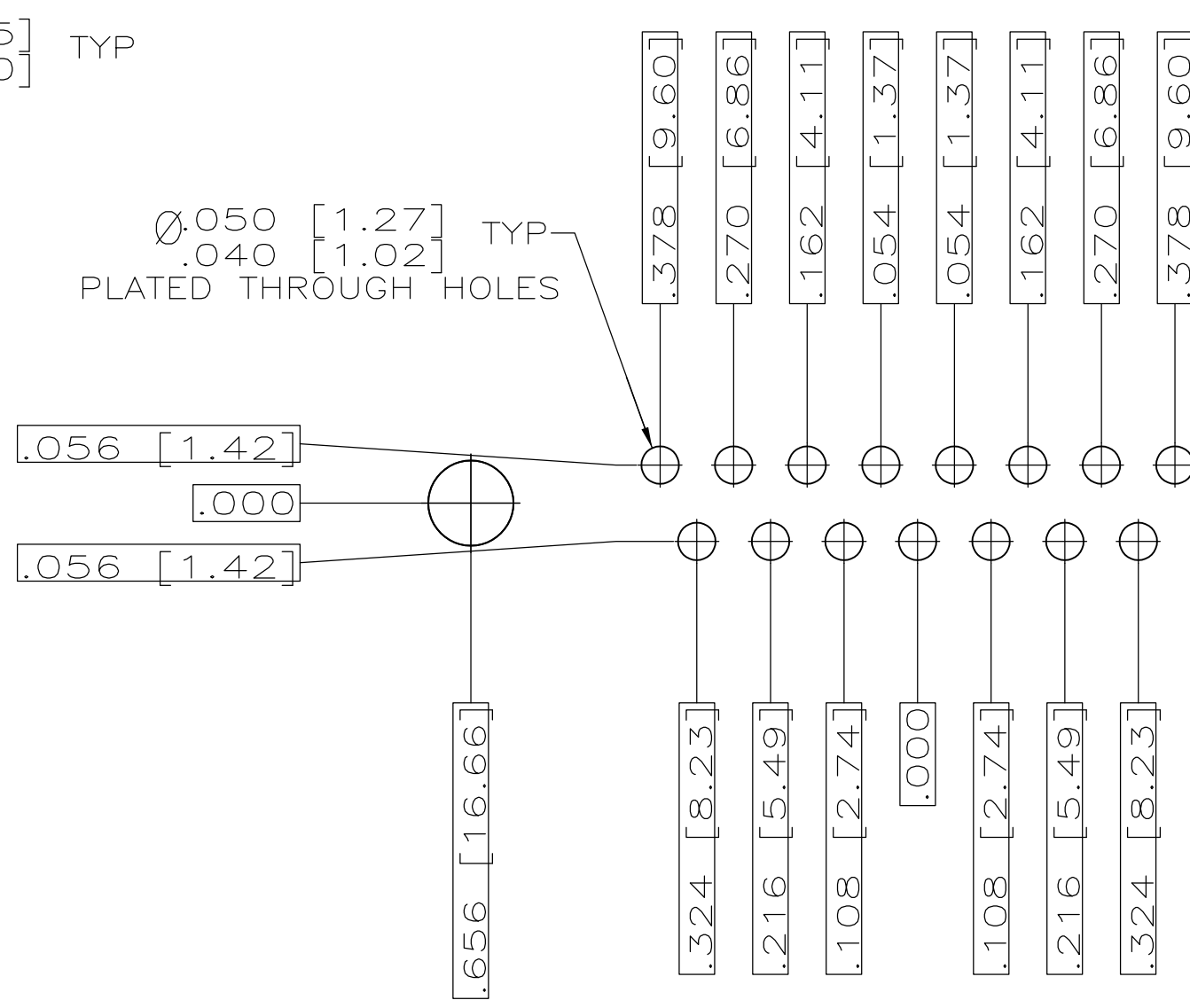
REV C

LOC		DIST		REVISIONS				
—	—	P	LTR	DESCRIPTION	DATE	DWN	APVD	
			—	SEE SHEET 1	—	—	—	

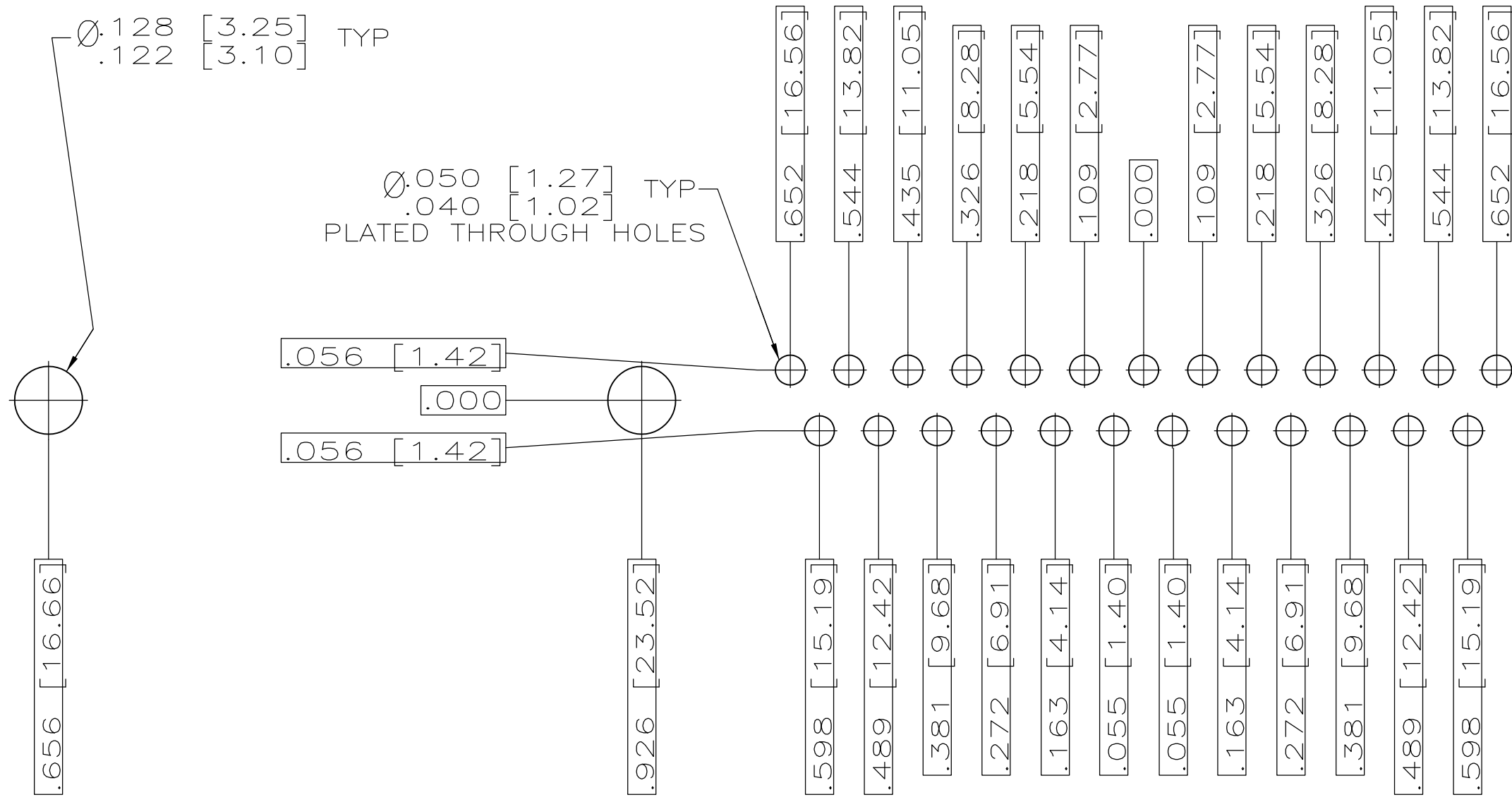
D



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

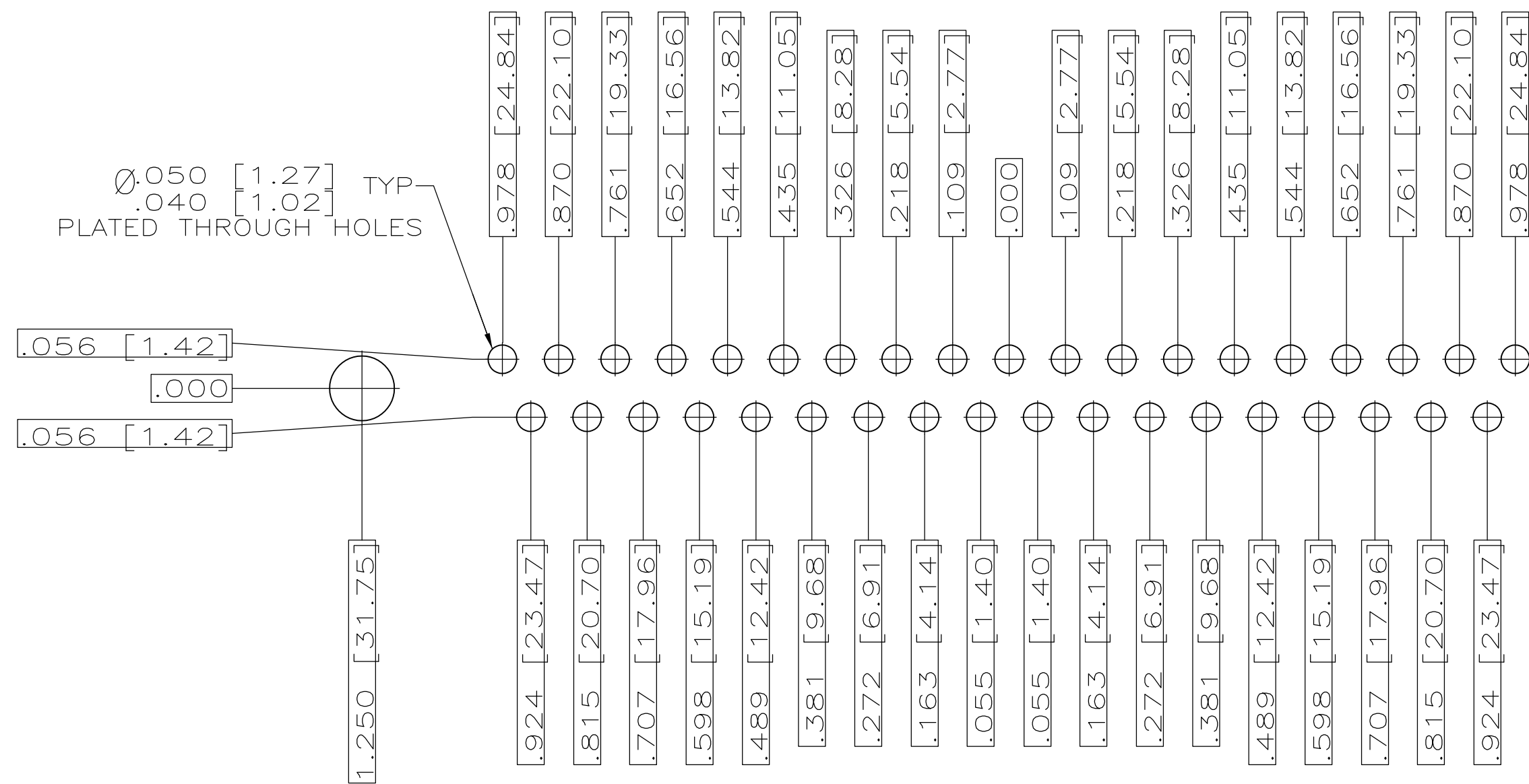


RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 2 (15 POSITION) ⚠

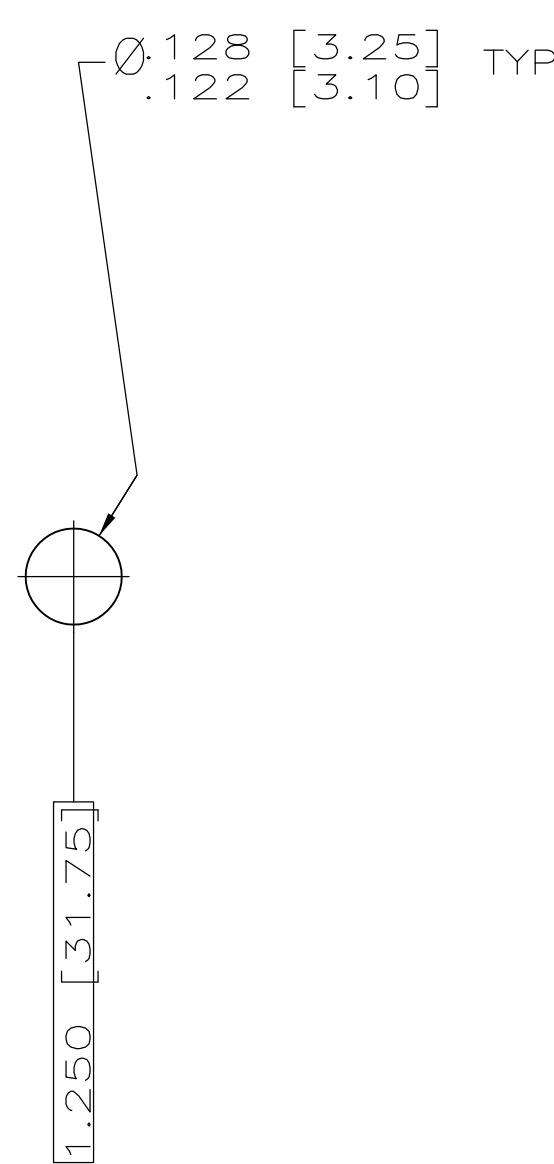


RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 3 (25 POSITION) ⚠

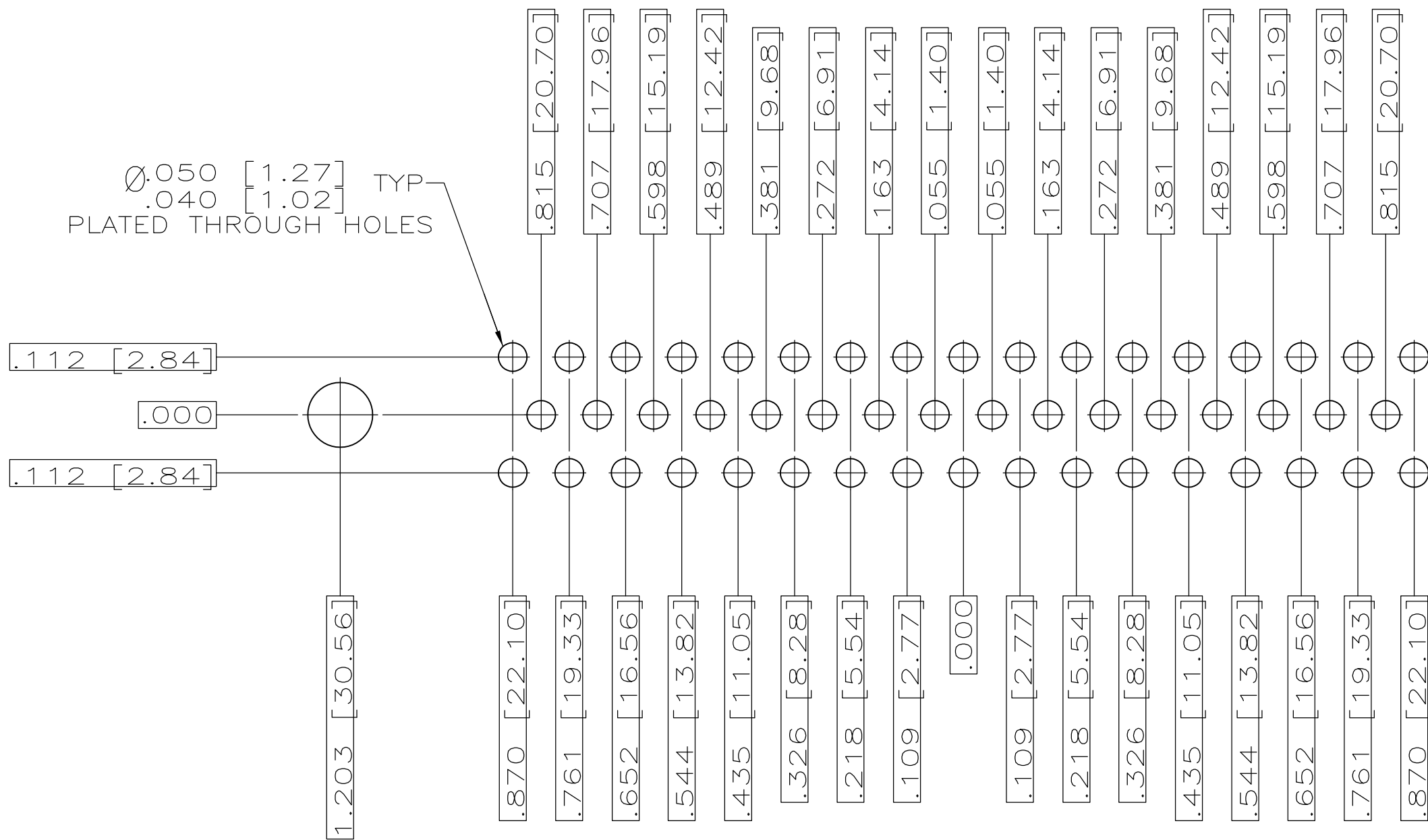
B



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



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



A

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN C.C.THOMAS 14OCT99	 Tyco Electronics Corporation Harrisburg, PA 17105-3608		
DIMENSIONS: INCHES				CHK D.HOFFMAN 18OCT99			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:				APVD D.HOFFMAN 18OCT99	NAME	
	0 PLC ± .1				PRODUCT SPEC		
	1 PLC ± .1						
	2 PLC ± .1						
	3 PLC ± .1				APPLICATION SPEC		
	4 PLC ± .1						
	ANGLES ± .1						
	FINISH ± .1						
MATERIAL SEE CALLOUTS		WEIGHT —		SIZE A1	CAGE CODE 00779	DRAWING NO. 1218293	RESTRICTED TO —
CUSTOMER DRAWING				SCALE 1:1	SHEET 2	OF 2	REV C