Jameco Part Number 910899

DRAWING MADE IN THIRD ANGLE PROJECTION

		REVISIONS		
LOC DW	DIST 00	P F ZONE LTR	DESCRIPTION	DATE APPD
		AN	REVISED PER EC 0513-0432-03	05JAN04 JG

MATERIALS:
HOUSING- PPA RESIN, BLACK, MOLDING COMPOUND.
CONTACTS- PHOSPHOR BRONZE PLATED WITH MINIMUM THICK (SEE TABLE) GOLD IN CONTACT AREA AND 3.8μm [.000150] MINIMUM THICK TIN-LEAD ON SOLDER TINES OVER 1.27μm [.000050] MINIMUM THICK NICKEL UNDERPLATE.
RETENTION LEG- BRASS PLATED WITH 3.8μm [.000150] MINIMUM TIN-LEAD OVER 1.3μm [.000051] MINIMUM NICKEL UNDERPLATE.

2. G, J, AND H INDICATE NUMBER OF POSITION MARKED ON ASSEMBLY. ALSO SEE TABLE.

3. ALL DIMENSIONS SHOWN ARE MAXIMUM UNLESS OTHERWISE SPECIFIED.

4. 60 POSITION AS SHOWN.

5. RETENTION LEGS NOT PRESENT.

6. TOP OF RETENTION LEG MAY NOT PROTRUDE ABOVE THIS SURFACE.

7. HOUSING BOW UP TO 0.30 [.012] ALLOWED.

8. CONNECTOR WILL ACCOMMODATE MATING PRINTED CIRCUIT BOARD OF 1.6±0.07 [.063±.003] THICKNESS.

9. PRELIMINARY - NOT RELEASED FOR PRODUCTION.

DATE CODE

-Z-

C ±0.30 [±.012]

J POSITION   H POSITION

A ±0.13 [±.005]

G POSITION   PIN 1

SUPERSEDED BY 3-786925-3

OBSOLETE

7.10 [.280]
-X-

1.10 MAX R TYP

G ±0.25 [±.010] TYP

-Y-

0.32 REF [.013]

| 0.30 [.012] Ⓜ Y X | | |
2 PLACES   TYP

HOUSING

10.00 +0.07 -0.10 [.394 +.003 -.004]

AMP

2.54±0.20 [.100±.008] 2 PLC

1.32 [.052]

RETENTION LEG 2 PLACES

CONTACT AS REQUIRED SEE TABLE

0.50 REF [.020]

| 0.30 Ⓜ Y Z | | |
2 PLACES

| 0.30 [.012] Ⓜ Y Z | | |
TYP

2.96±0.11 [.116±.004]

PIN 1

DIM B

SEE DETAIL D
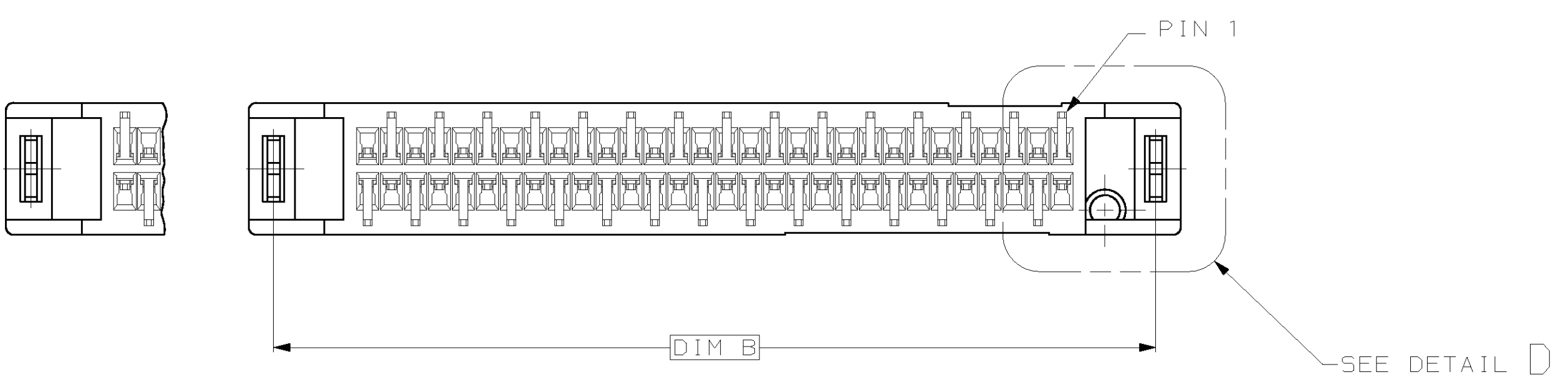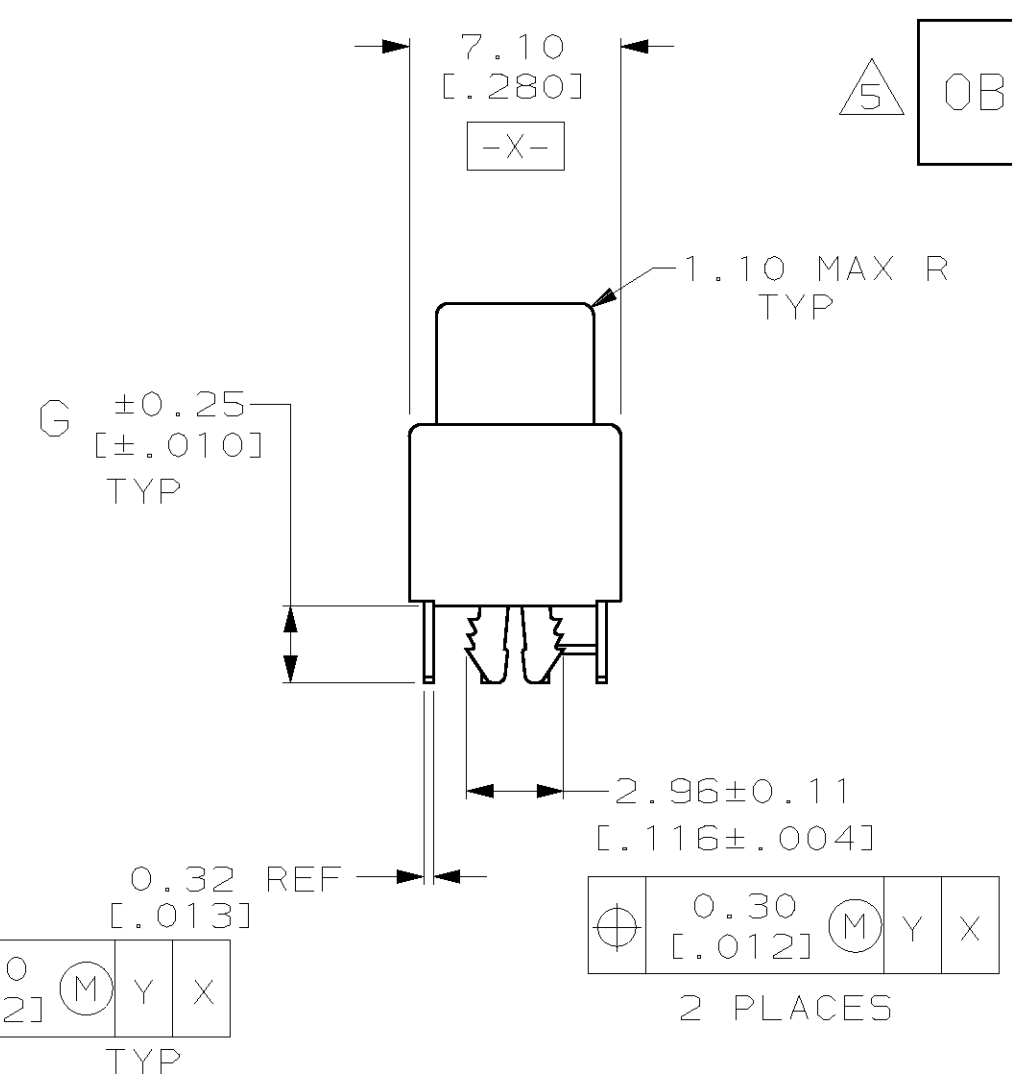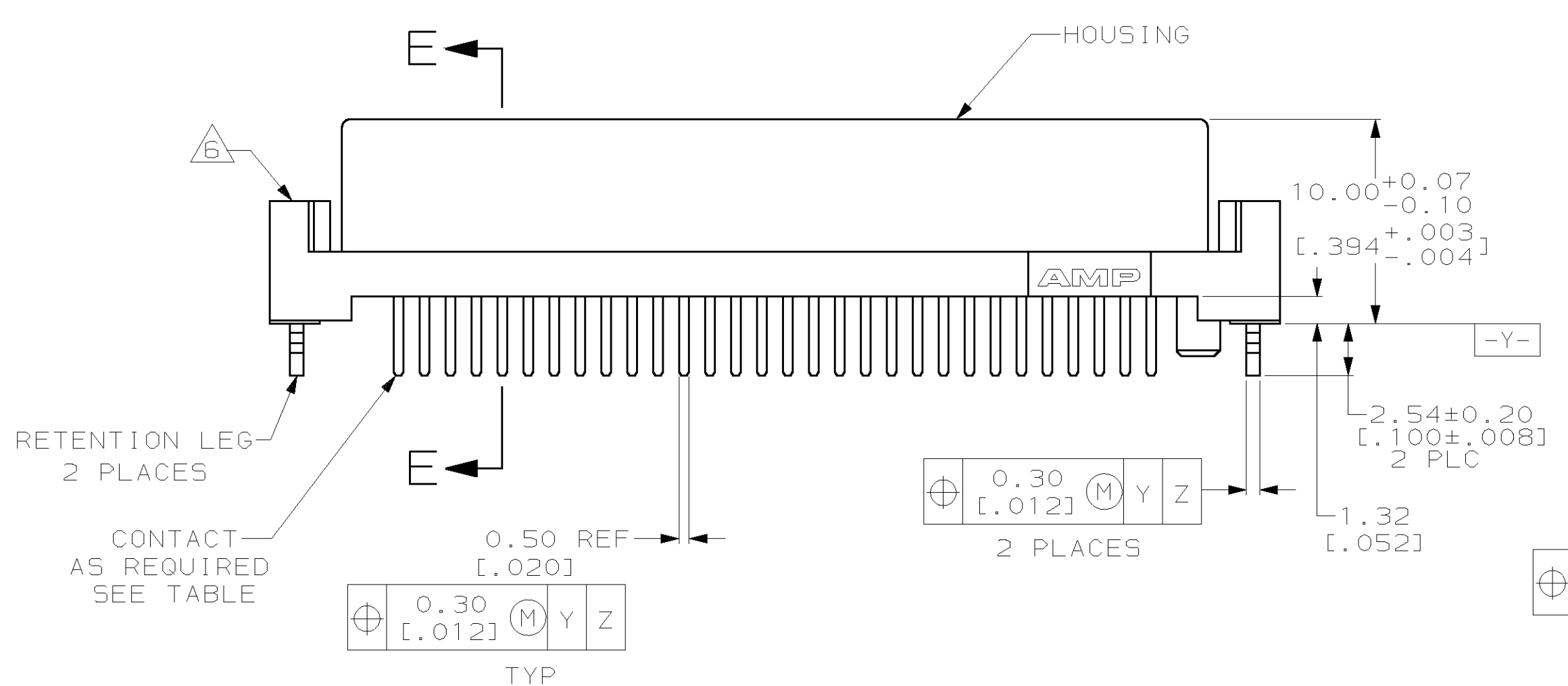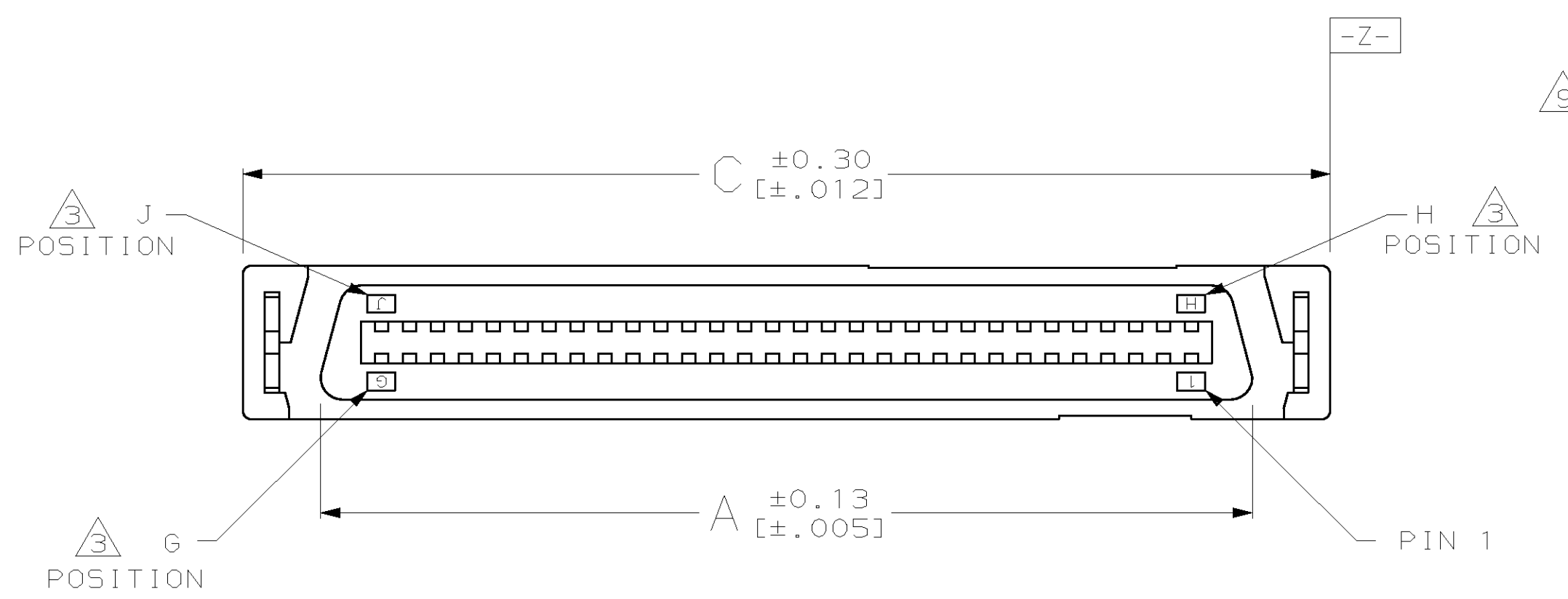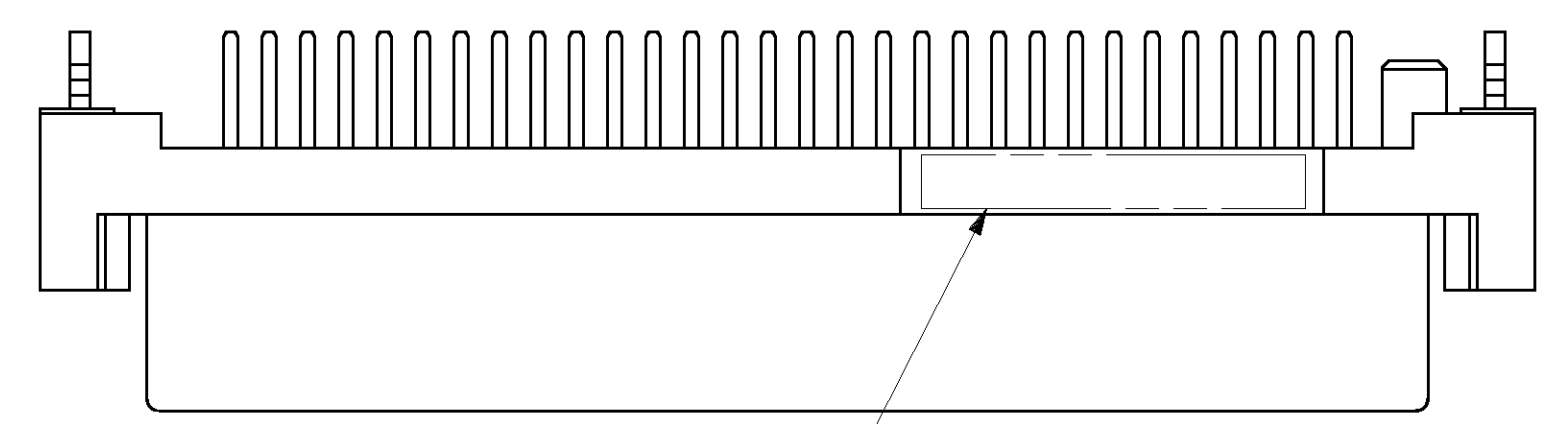
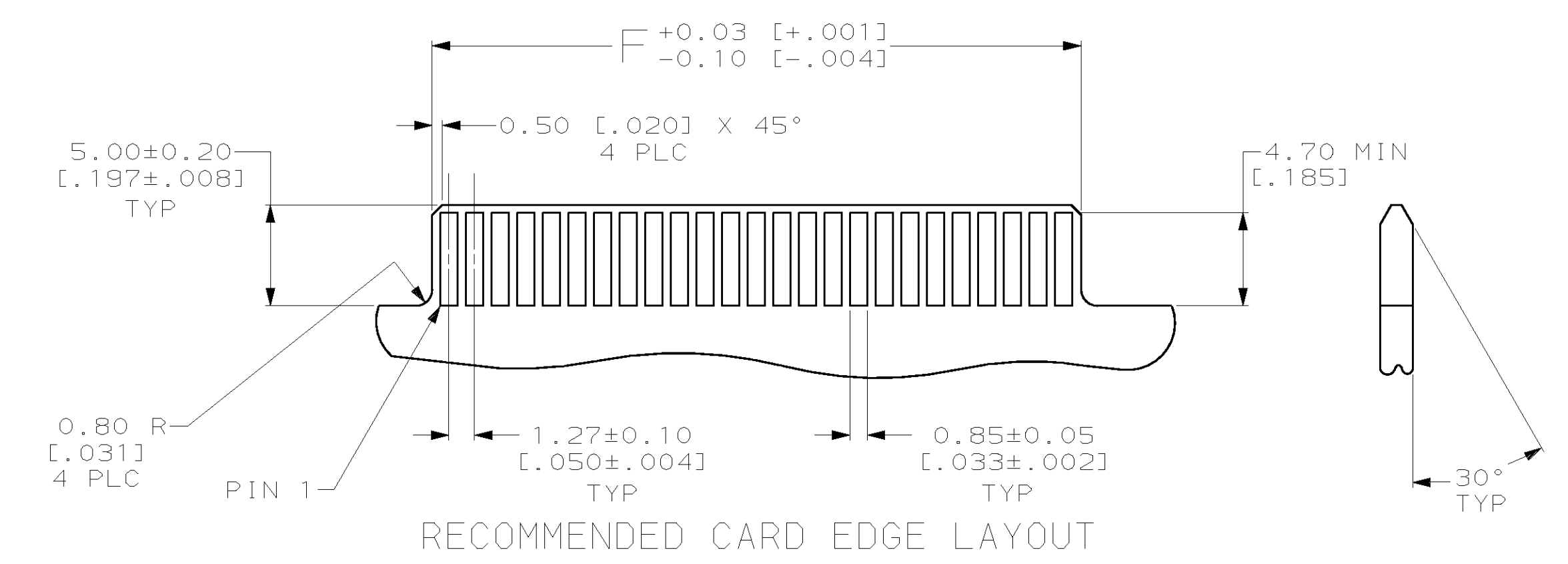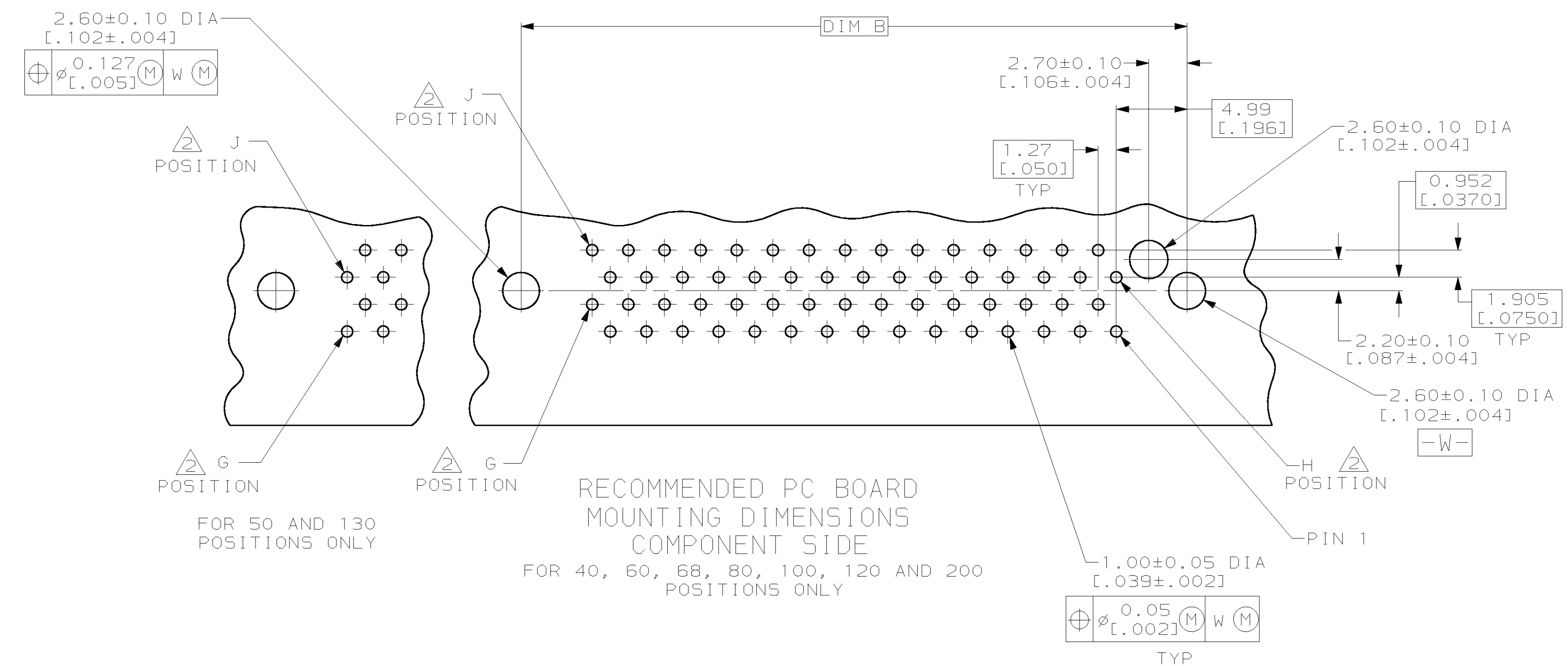| PCB THICKNESS	G	F	C	B	A	G	J	H	GOLD	POSN	PART NO
2.36 [.093]	3.40 [.134]	38.53 [1.517]	49.45 [1.947]	46.81 [1.843]	42.37 [1.668]	30	60	31	0.00076 [.000030]	60	5-557103-2
2.36 [.093]	2.54 [.100]	43.61 [1.717]	54.53 [2.147]	51.89 [2.043]	47.45 [1.868]	34	68	35	0.00076 [.000030]	68	5-557103-1
2.36 [.093]	3.30 [.130]	32.18 [1.267]	43.10 [1.697]	40.46 [1.593]	36.02 [1.418]	25	50	26	0.00076 [.000030]	50	5-577103-0
2.36 [.093]	3.30 [.130]	76.63 [3.017]	87.55 [3.447]	84.91 [3.343]	80.47 [3.168]	60	120	61	0.00076 [.000030]	120	4-557103-9
2.36 [.093]	3.30 [.130]	127.43 [5.017]	138.35 [5.447]	135.71 [5.343]	131.27 [5.168]	100	200	101	0.00076 [.000030]	200	4-557103-2
0.8-1.6 [.031-.063]	2.54 [.100]	127.43 [5.017]	138.35 [5.447]	135.71 [5.343]	131.27 [5.168]	100	200	101	0.00076 [.000030]	200	4-557103-1
0.8-1.6 [.031-.063]	2.54 [.100]	102.03 [4.017]	112.95 [4.447]	110.31 [4.343]	105.87 [4.168]	80	160	81	0.00076 [.000030]	160	3-557103-7
0.8-1.6 [.031-.063]	2.54 [.100]	82.98 [3.267]	93.90 [3.697]	91.26 [3.593]	86.82 [3.418]	65	130	66	0.00076 [.000030]	130	3-557103-3
0.8-1.6 [.031-.063]	2.54 [.100]	76.63 [3.017]	87.55 [3.447]	84.91 [3.343]	80.47 [3.168]	60	120	61	0.00076 [.000030]	120	2-557103-9
2.36 [.093]	3.30 [.130]	63.93 [2.517]	74.85 [2.947]	72.21 [2.843]	67.77 [2.668]	50	100	51	0.00076 [.000030]	100	2-557103-7
0.8-1.6 [.031-.063]	2.54 [.100]	63.93 [2.517]	74.85 [2.947]	72.21 [2.843]	67.77 [2.668]	50	100	51	0.00076 [.000030]	100	2-557103-6
0.8-1.6 [.031-.063]	2.54 [.100]	63.93 [2.517]	74.85 [2.947]	72.21 [2.843]	67.77 [2.668]	50	100	51	0.00076 [.000030]	100	2-557103-5
2.36 [.093]	3.30 [.130]	51.23 [2.017]	62.15 [2.447]	59.51 [2.343]	55.07 [2.168]	40	80	41	0.00076 [.000030]	80	2-557103-3
0.8-1.6 [.031-.063]	2.54 [.100]	51.23 [2.017]	62.15 [2.447]	59.51 [2.343]	55.07 [2.168]	40	80	41	0.00076 [.000030]	80	2-557103-2
0.8-1.6 [.031-.063]	2.54 [.100]	51.23 [2.017]	62.15 [2.447]	59.51 [2.343]	55.07 [2.168]	40	80	41	0.00076 [.000030]	80	2-557103-1
0.8-1.6 [.031-.063]	2.54 [.100]	43.61 [1.717]	54.53 [2.147]	51.89 [2.043]	47.45 [1.868]	34	68	35	0.00076 [.000030]	68	1-557103-7
0.8-1.6 [.031-.063]	2.54 [.100]	43.61 [1.717]	54.53 [2.147]	51.89 [2.043]	47.45 [1.868]	34	68	35	0.00076 [.000030]	68	1-557103-3
0.8-1.6 [.031-.063]	2.54 [.100]	32.18 [1.267]	43.10 [1.697]	40.46 [1.593]	36.02 [1.418]	25	50	26	0.00076 [.000030]	50	557103-9
0.8-1.6 [.031-.063]	2.54 [.100]	25.83 [1.017]	36.75 [1.447]	34.11 [1.343]	29.67 [1.168]	20	40	21	0.00076 [.000030]	40	557103-5
0.8-1.6 [.031-.063]	2.54 [.100]	–	30.40 [1.197]	27.96 [1.101]	23.32 [.918]	15	30	16	0.00076 [.000030]	30	557103-1

DO NOT SCALE PRINT.
UNLESS SPECIFIED DIMENSIONS IN mm [INCHES]
TOLERANCES ON :
2 PLC DEC ±
3 PLC DEC ±
ANGLES ±

MATERIAL

FINISH

DR 8-25-89 A.HOLT
CHK 10-3-89 N.JONES
APPD 12-4-89 T.PIZZULO
APPD 12-4-89 J.B.WILKERSON
PRODUCT SPEC 108-1367
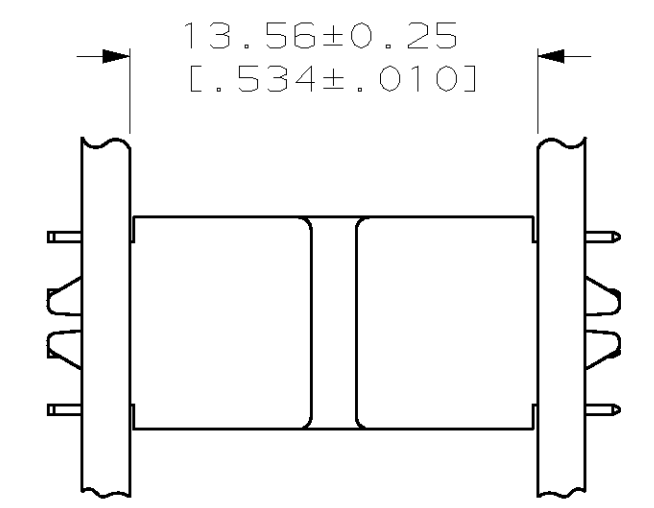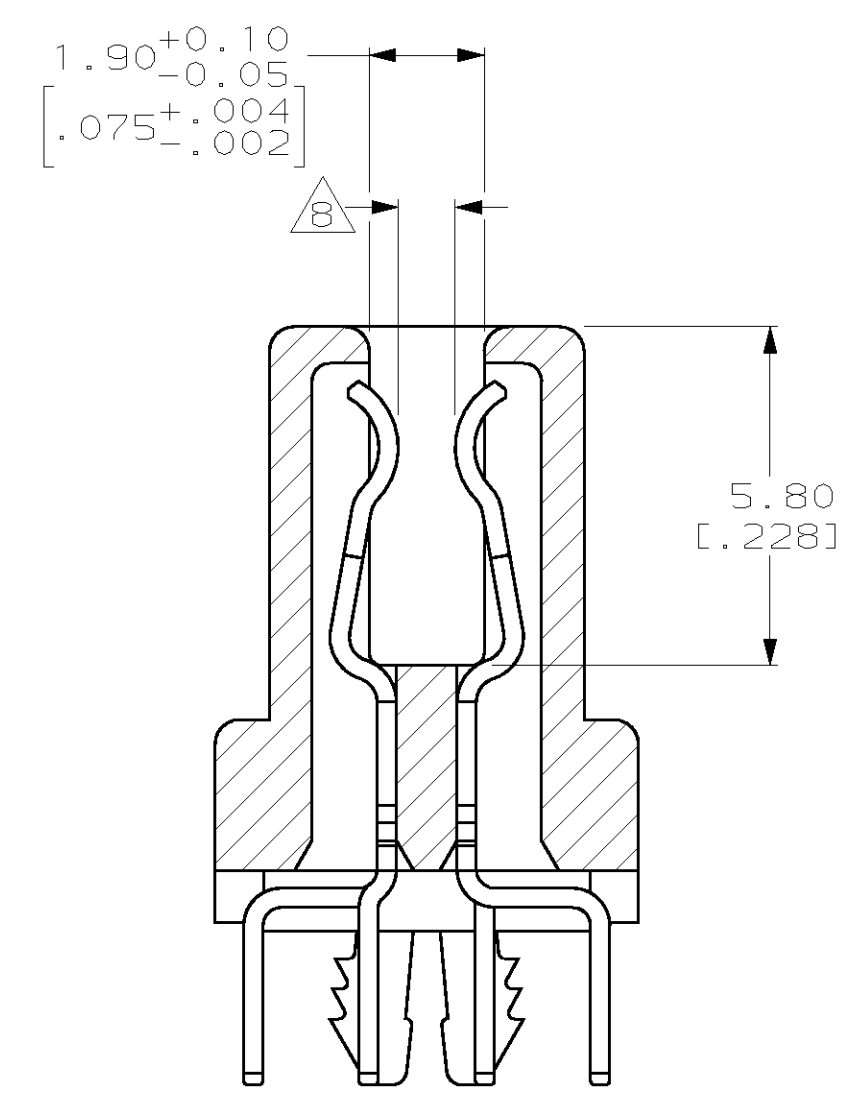APPLICATION SPEC 114-6045

AMP INCORPORATED
Harrisburg, Pa. 17105

NAME

RECEPTACLE ASSEMBLY, VERTICAL, BOARD TO BOARD, CHAMP™ .050, SERIES I

SIZE D | CAGE CODE 00779 | DRAWING NO 557103
SCALE 4:1 | WEIGHT – | SHEET 1 OF 2

CUSTOMER DRAWING

8 7 6 5 4 3 2 1

LOC	DIST				REVISIONS		
DW	00	P	F	ZONE	LTR	DESCRIPTION	DATE	APPD
					AN	SEE SHEET 1		

2.60±0.10 DIA
[.102±.004]

⊕ ⌀ 0.127 [.005] Ⓜ W Ⓜ

2 J POSITION

2 J POSITION

DIM B

2.70±0.10 [.106±.004]

4.99 [.196]

1.27 [.050] TYP

2.60±0.10 DIA [.102±.004]

0.952 [.0370]

2.20±0.10 [.087±.004]

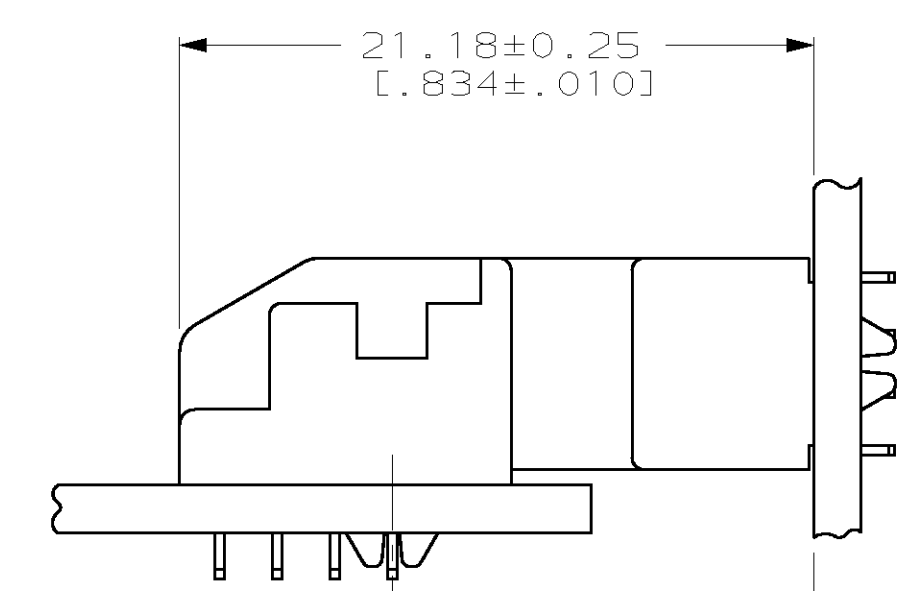1.905 [.0750] TYP

2.60±0.10 DIA [.102±.004]
-W-

H 2 POSITION

PIN 1

2 G POSITION

2 G POSITION

RECOMMENDED PC BOARD
MOUNTING DIMENSIONS
COMPONENT SIDE
FOR 40, 60, 68, 80, 100, 120 AND 200
POSITIONS ONLY

FOR 50 AND 130
POSITIONS ONLY

1.00±0.05 DIA [.039±.002]

⊕ ⌀ 0.05 [.002] Ⓜ W Ⓜ
TYP

F +0.03 [+.001] / -0.10 [-.004]

0.50 [.020] X 45°
4 PLC

4.70 MIN [.185]

5.00±0.20 [.197±.008] TYP

0.80 R [.031] 4 PLC

PIN 1

1.27±0.10 [.050±.004] TYP

0.85±0.05 [.033±.002] TYP

30° TYP

RECOMMENDED CARD EDGE LAYOUT

1.90 +0.10 -0.05 [.075 +.004 -.002]

B

5.80 [.228]

SECTION E-E
SCALE 8:1

13.56±0.25 [.534±.010]

VERTICAL RECEPTACLE ASSEMBLY MATED
TO VERTICAL PLUG ASSEMBLY

₵ OF DATUM X

0.952 [.0370]

1.905 [.0750] TYP

2.20±0.10 [.087±.004]

2.70±0.10 [.106±.004]

1.27 [.050] TYP

4.99 [.196]

1.32 [.052]

DETAIL D
SCALE 8:1

21.18±0.25 [.834±.010]

14.01±0.25 [.552±.010]

VERTICAL RECEPTACLE ASSEMBLY MATED
TO RIGHT ANGLE PLUG ASSEMBLY

			PART NO	

DO NOT SCALE PRINT. UNLESS SPECIFIED DIMENSIONS IN mm [INCHES] TOLERANCES ON : 2 PLC DEC ± - 3 PLC DEC ± - ANGLES ± -	DR 8-25-89 A.HOLT		
	CHK 10-3-89 N.JONES	AMP INCORPORATED Harrisburg, Pa. 17105	
	APPD 12-4-89 T.PIZZULO	NAME	
MATERIAL	APPD 12-4-89 J.B.WILKERSON	RECEPTACLE ASSEMBLY,VERTICAL, BOARD-TO-BOARD, CHAMP™ .050, SERIES I	
	PRODUCT SPEC -		
-			
FINISH	APPLICATION SPEC -	SIZE	CAGE CODE	DRAWING NO
-		D	00779	557103
	WEIGHT -	SCALE 4:1		SHEET 2 OF 2