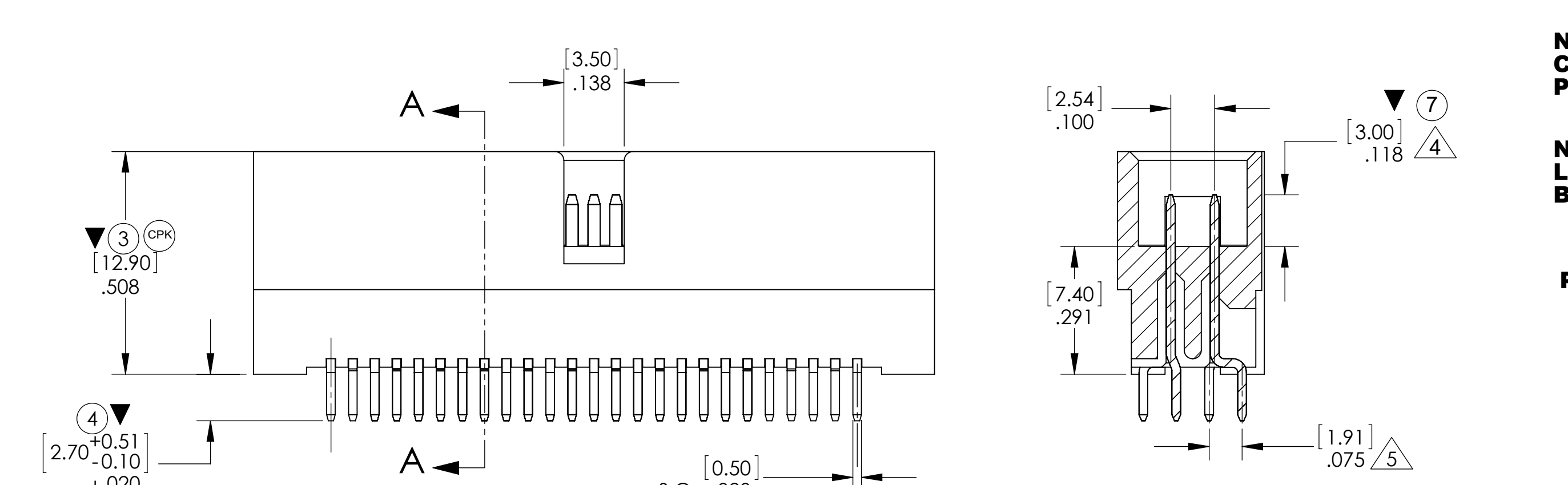
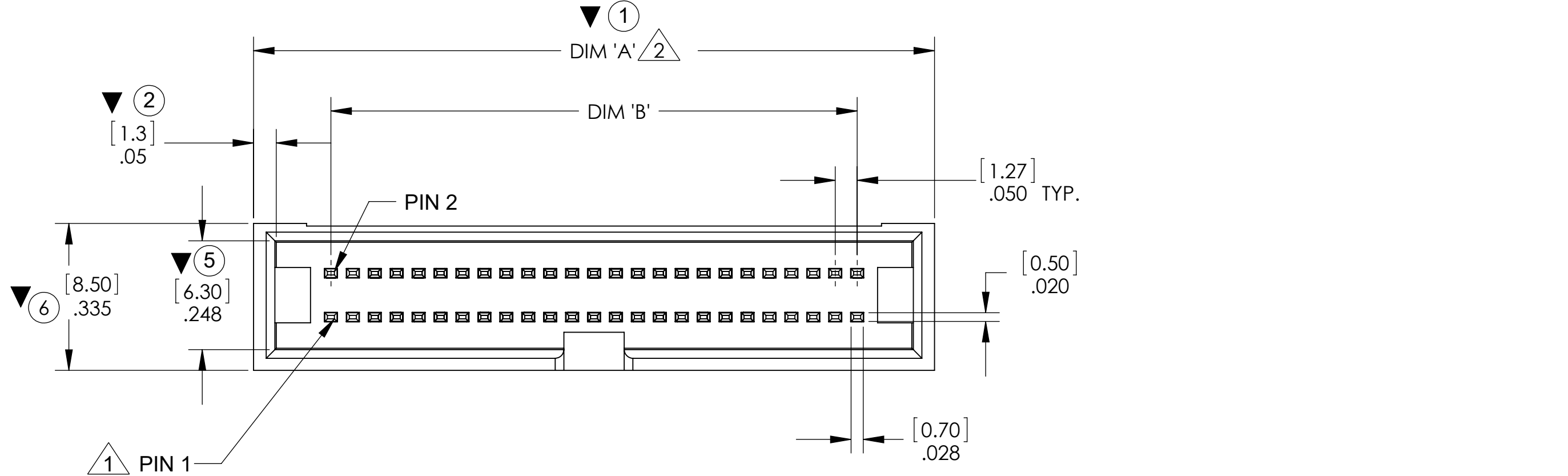


PART NO. CA-XXNFHL-XXXX

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	INITIAL SEE ECR 3015	9-30-94	A.J.
B	SEE ECO 2376	6-30-95	A.J.
C	SEE ECO 2386	P.H. 7-19-95	A.J.
D	SEE ECO 3855	DL 1-26-00	A.J.
E	SEE DO 5753	CP 4-22-05	A.J.
F	SEE DO 6379	CP 3-06-07	A.J.
G	SEE DO 7248	CP 2-05-14	I.M.
H	SEE DO 7292	CP 9-26-14	I.M.
J	SEE DO 7295	CP 10-22-14	I.M.
K	SEE DO 7311	CP 01-30-15	I.M.
L	SEE DO 7344	CP 10-12-15	I.M.
M	SEE DO 7530	CP 07-22-19	T.L.
N	SEE DO 7576	CP 06-09-20	T.L.
P	SEE DO 7606	CP 03-01-21	T.L.



# CA-XX NFHL-XXXX

**NUMBER OF CONTACT POSITIONS**

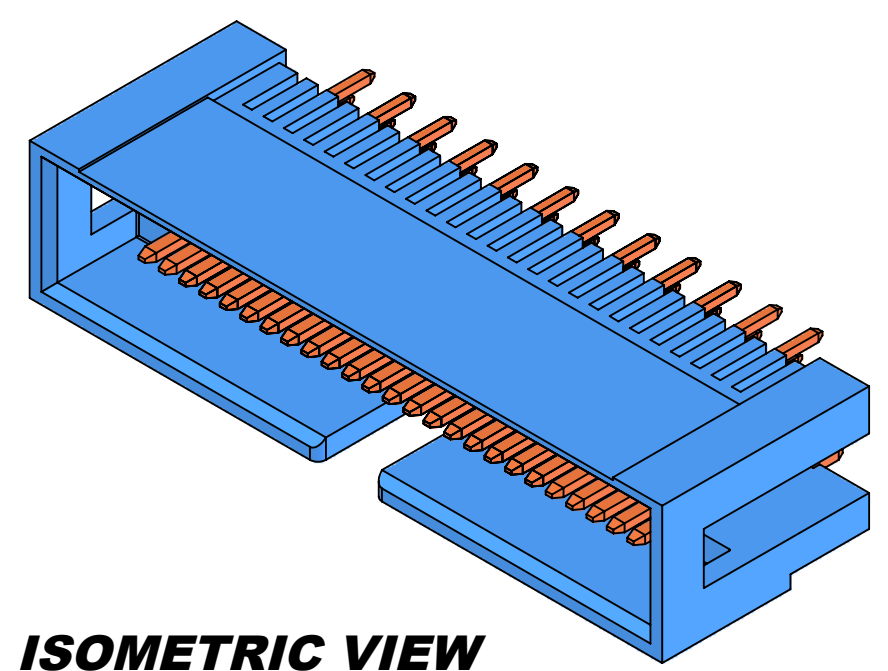
**NANOFLEX LOW PROFILE BOX HEADER**

**PLATING**

12GT = CONTACT AREA: .000012 [.00030] GOLD  
 TAIL AREA: .000100 [.00254] TIN  
 UNDERPLATE: .000100 [.00254] NICKEL

**TABULATION:**

No POS	A ±0.15		B ±0.08	
	mm	in	mm	in
10	14.04	0.553	5.08	0.200
16	17.85	0.703	8.89	0.350
20	20.39	0.803	11.43	0.450
26	24.20	0.953	15.24	0.600
34	29.28	1.153	20.32	0.800
40	33.09	1.303	24.13	0.950
50	39.44	1.553	30.48	1.200
60	45.79	1.803	36.83	1.450
64	48.33	1.903	39.37	1.550
68	50.87	2.003	41.91	1.650
80	58.49	2.303	49.53	1.950



**ISOMETRIC VIEW**

- 9. PARTS SHALL BE : "MOISTURE SENSITIVITY LEVEL #1".
- 8. MARK "▼" DIMENSION MUST BE CONTROLLED.  
 MARK "X" IS DIMENSION No.  
 MARK "(CPK)" DIMENSION MUST BE CONTROLLED BY CPK.
- 7. MEETS THE REQUIREMENTS OF THE EUROPEAN PARLIAMENT AND THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRIC EQUIPMENT. (RoHS)
- 6. X INDICATES INSPECTION CRITERIA LINE ITEM NO.
- 5 NOT TOOLED
- 4. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994
- 3. DETAIL SPECIFICATION, REFER TO CAC DRAWING 100199
- 2. CONTACT MATERIAL: PHOSPHOR BRONZE
- 1. INSULATOR MATERIAL: PA6T, 30%GF, UL 94V-0, COLOR: BLUE (PANTONE 298 C ~ 299 C)

NOTES: UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES TOLERANCES ARE:		<b>APPROVALS</b>	<b>DATE</b>
DECIMALS .XX ±.010	ANGLES ±3°	DRAWN P. HAAR	9-30-94
.XXX ±.005		CHECKED A. JOCHEN	9-30-94
DIMENSIONS IN BRACKETS [X.XX] ARE IN MILLIMETERS TOLERANCES ARE:		THE INFORMATION AND DESIGN DISCLOSED HEREIN WAS ORIGINATED BY AND IS THE PROPERTY OF CIRCUIT ASSEMBLY CORPORATION. CIRCUIT ASSEMBLY CORPORATION RESERVES ALL PATENT, PROPRIETARY, DESIGN, MANUFACTURING, REPRODUCTION, USE AND SALES RIGHTS THERETO, AND TO ANY ARTICLE DISCLOSED HEREIN EXCEPT TO THE EXTENT RIGHTS ARE EXPRESSLY GRANTED TO OTHERS. THE FOREGOING DOES NOT APPLY TO VENDOR PROPRIETARY RIGHTS.	
DECIMALS .X ±.25	ANGLES ±3°	DO NOT SCALE DRAWING	

**CIRCUIT ASSEMBLY CORP.**  
 6 AUTRY SUITE 150, IRVINE, CALIFORNIA 92618

**CONNECTOR ASSEMBLY - NFHL CA-XXNFHL-12GT "RoHS"**

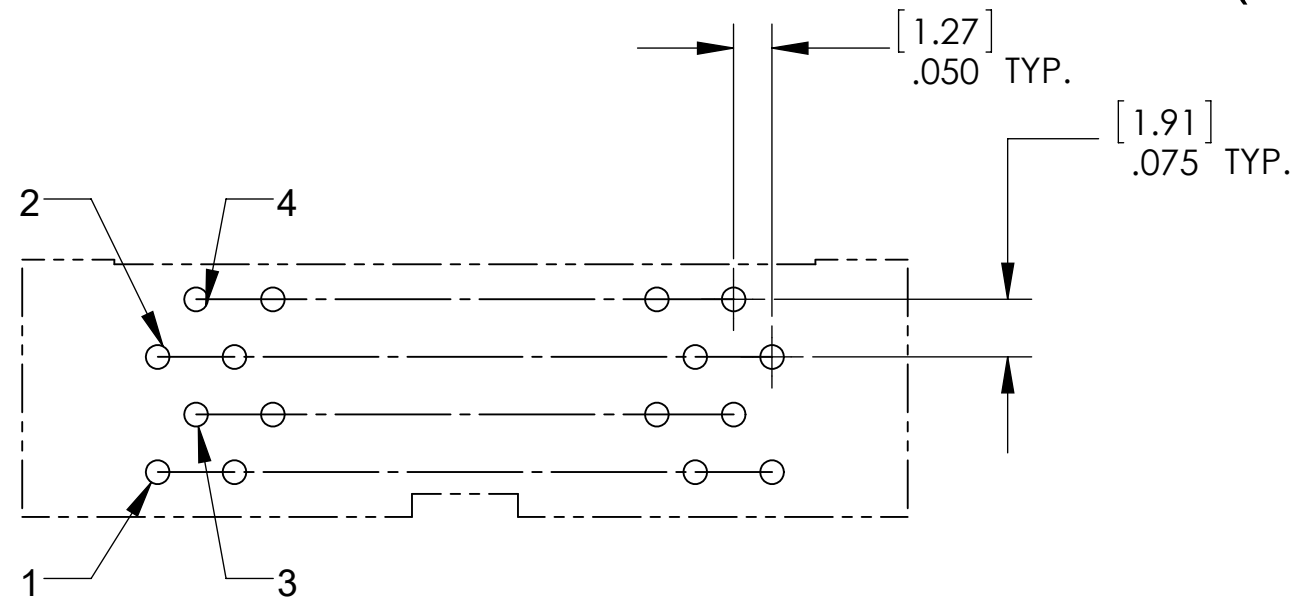
SIZE C	CODE IDENT NO. 52072	DRAWING NO. 620340	REV. P
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SCALE: 2:1 SHEET 1 OF 2

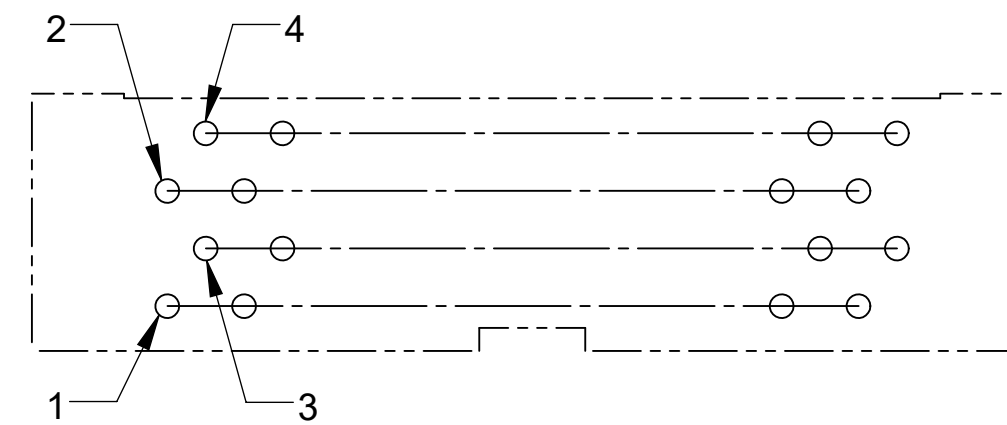
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
	SEE SHEET 1 OF 2		

## STANDARD APPLICATIONS

### P.C.B. HOLE PATTERN (COMPONENT SIDE)



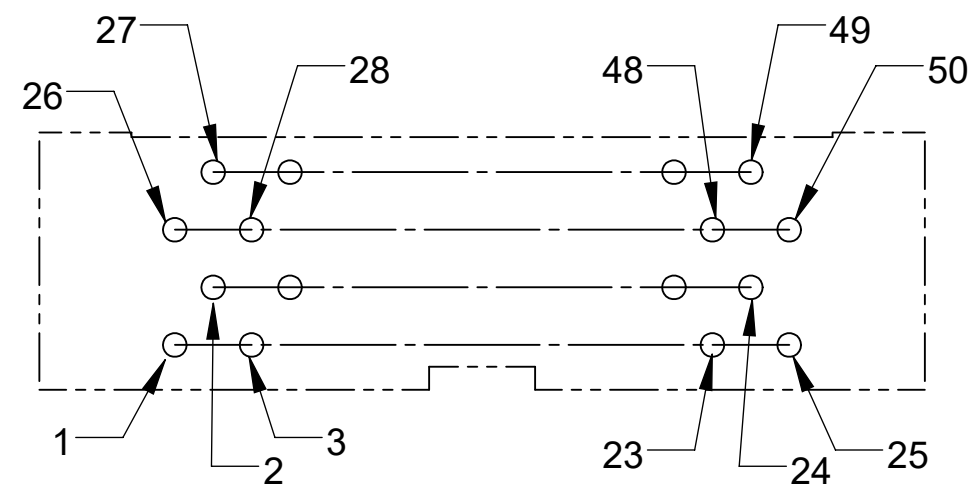
*10, 26, 34, AND 50 POSITIONS*



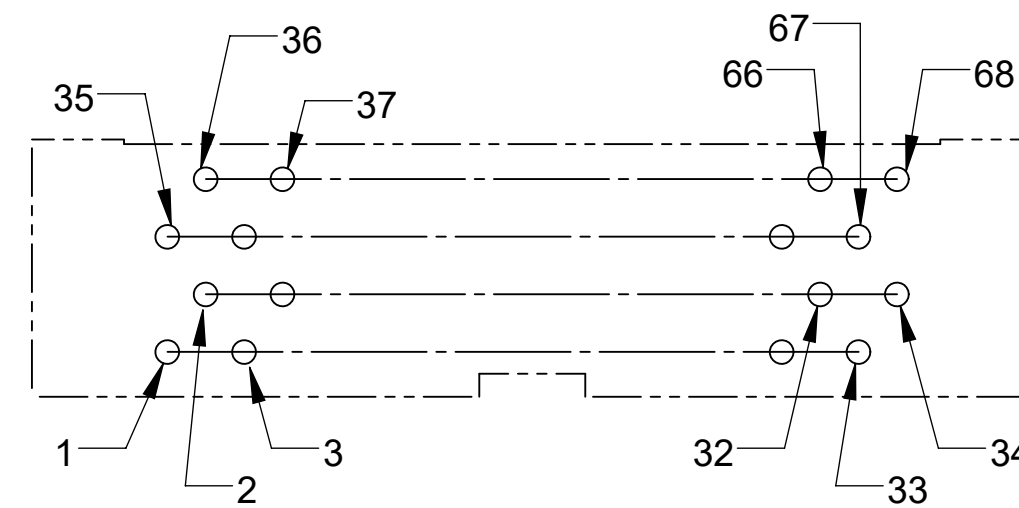
*16, 20, 40, 64, 80 AND 100 POSITIONS*

## SCSI APPLICATIONS

### P.C.B. HOLE PATTERN (COMPONENT SIDE)



*50 POSITIONS*



*68 POSITIONS*

DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:

DECIMALS ANGLES  
.XX ±.010 ±3°  
.XXX ±.005

DIMENSIONS IN BRACKETS  
[X.XX] ARE IN MILLIMETERS  
TOLERANCES ARE:

DECIMALS ANGLES  
.X ±.25 ±3°  
.XX ±

DO NOT SCALE DRAWING

APPROVALS DATE

DRAWN P. HAAR 9-30-94

CHECKED A. JOCHEN 9-30-94

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**CA** CIRCUIT ASSEMBLY CORP.  
6 ATRY SUITE 150, IRVINE, CALIFORNIA 92618

**CONNECTOR ASSEMBLY - NFHL  
CA-XXNFHL-12GT  
"RoHS"**

SIZE	CODE IDENT NO.	DRAWING NO.	REV.
C	52072	<b>620340</b>	<b>P</b>

SCALE: 2:1 SHEET 2 OF 2