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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



FIG. 1

-08: 8 ROW
(SEAF-30-05.0-XX-08-1 SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

No OF POSITIONS
****10, ***15, ****19, -20, 25, -30, -40, -50
(PER ROW)

OPTION

- A: ALIGNMENT PIN (SEE FIG. 3, SHT 2) (NOT AVAILABLE WITH -19 POSITION)
- K: KAPTON PAD (SEE FIG. 4, SHT 2)
- *****-LP: LATCH POST OPTION (SEE FIG. 13, SHT 6)
- TR: TAPE & REEL
- **N: NOTCH (SEE FIG. 7, SHT 4) (ONLY AVAILABLE IN SEAF-30-05.0-XX-06-X-XX)
- **04: DIFF PAIR, (SEE FIG. 8, SHT 5) (ONLY AVAILABLE IN 10 ROW, 30 POSITION)
- **08: DIFF PAIR, (SEE FIG. 9, SHT 5) (ONLY AVAILABLE IN 10 ROW, 30 POSITION)
- **12: DIFF PAIR, (SEE FIG. 10, SHT 5) (ONLY AVAILABLE IN 10 ROW, 30 POSITION)
- **16: DIFF PAIR, (SEE FIG. 11, SHT 5) (ONLY AVAILABLE IN 10 ROW, 30 POSITION)

LEAD STYLE

- 05.0: .199[5.06] HEIG HT
- 06.0: .238[6.05] HEIG HT
- 06.5: .258[6.55] HEIG HT (SEE TABLE 1)

PLATING SPECIFICATION

- L: LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE SUB-C-209-XX.X-L-X)
- SM: SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL. (USE SUB-C-209-XX.X-S-X)
- S: SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL. (USE SUB-C-209-XX.X-S-X)

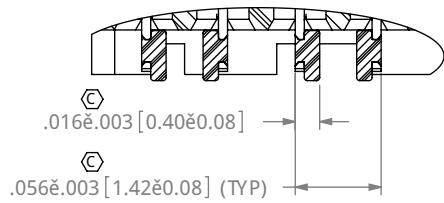
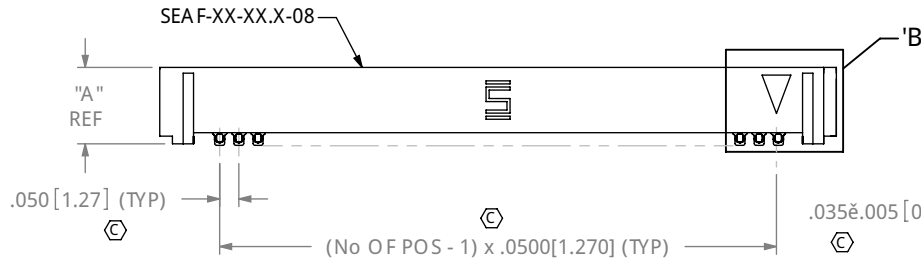
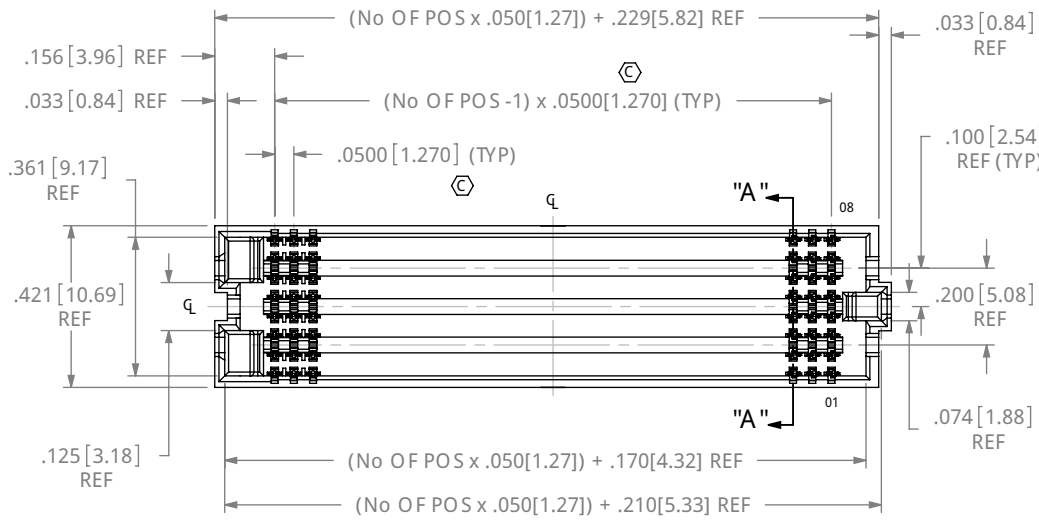
ROW

- 04: 4 ROWS (SEE FIG. 12, SHT 6)
- 05: 5 ROWS (SEE FIG. 6, SHT 3)
- 06: 6 ROWS (SEE FIG. 5, SHT 3)
- 08: 8 ROWS (SEE FIG. 1)
- 10: 10 ROWS (SEE FIG. 2, SHT 2)

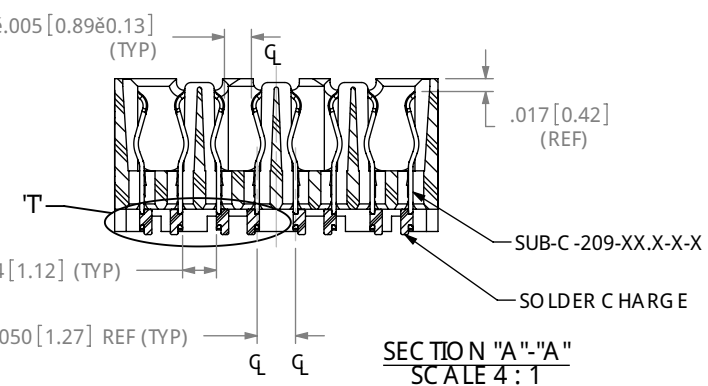
SOLDER COMPOSITION & STYLE

- 1: 63% TIN / 37% LEAD CHARGE TAIL (USE SUB-C-209-XX.X-S-1)
- 2: 95.5% TIN / 3.8% SILVER / .7% COPPER CHARGE TAIL (USE SUB-C-209-XX.X-S-2)

- ** = NOT RELEASED FOR PRODUCTION.
- *** = ONLY AVAILABLE WITH BODY HEIG HT -05.0 AND -10 ROW.
- **** = 10 POSITION ONLY AVAILABLE IN 4 ROW
- ***** = ONLY AVAILABLE WITH -06.5 LEAD STYLE AND -06 ROW.
- *****-LP = LP OPTION REQUIRED FOR SEAC MATE ONLY.
- = ONLY AVAILABLE WITH -06.5 LEAD STYLE AND -04 ROW



DETAIL 'T'
SCALE 8 : 1



SECTION "A"-A"
SCALE 4 : 1

TABLE 2
STACK HEIGHT

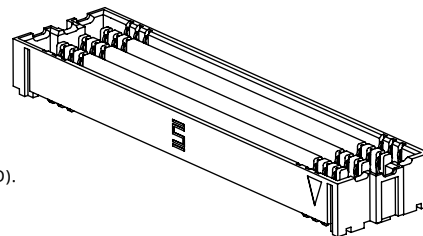
SEAF LEAD STYLE	SEAM LEAD STYLE		
	-02.0	-03.0	-03.5
-05.0	7mm	8mm	8.5mm
-06.0	8mm	9mm	9.5mm
-06.5	8.5mm	9.5mm	10mm

TABLE 1

STYLE	"A"	BODY CALLOUT	CONTACT
-05.0	0.199 [5.05]	SEAF-XX-05.0-XX-X	SUB-C-209-05.0-X-X
-06.0	0.238 [6.05]	SEAF-XX-06.0-XX-X	SUB-C-209-06.0-X-X
-06.5	0.258 [6.55]	SEAF-XX-06.5-XX-X	SUB-C-209-06.5-X-X

NOTES:

1. (C) REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .75 LBS.
3. PARTS TO BE PACKAGED IN TRAY (UNLESS -TR OPTION IS SELECTED).
4. 5 ROW SOLDER TAILS ARE NOT SYMMETRIC AL WITH BODY WIDTH (DIM .321[8.15]); SEE FIG. 6, SHEET 3).
5. INSPECT DIMENSION AT 4 CORNERS OF PART.



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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MATERIAL: DO NOT SCALE DRAWING
INSULATOR: L.C.P., COLOR: BLACK
CONTACT OR TERMINAL: COPPER ALLOY

SHEET SCALE: 2:1

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

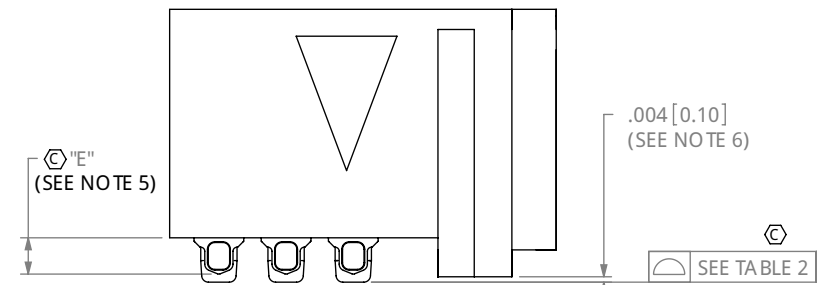
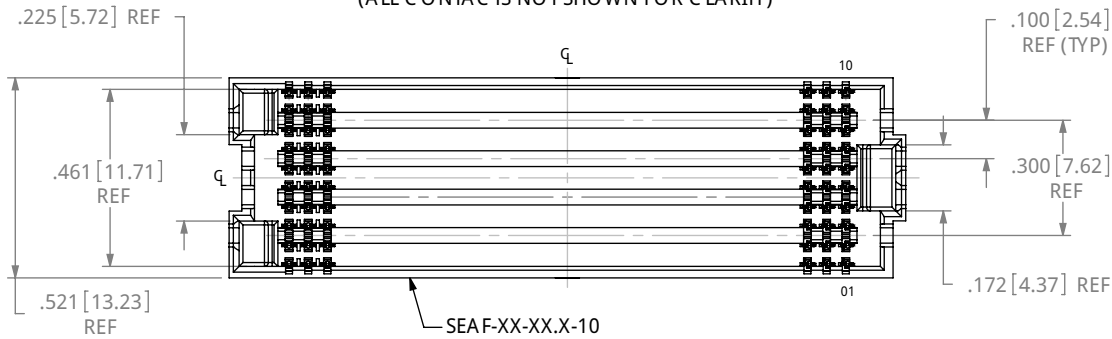
DWG. NO.
SEAF-XX-XX.X-XX-XX-X-XX

BY: BRATC HER 05/27/2004 SHEET 1 OF 6



520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

FIG. 2
 -10: 10 ROW
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAF-30-05.0-XX-10-1 SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)



DETAIL 'B'
 SCALE 7:1

TABLE 4

POSITION	FLATNESS
-10 TO -30	.006[0.15]
-40	.009[0.23]
-50	.009[0.23]

TABLE 5

LEAD STYLE	"E"
-05.0	.0270[0.686]
-06.0	.0660[1.676]
-06.5	.0860[1.422]

FIG. 3
 -A: ALIGNMENT PINS OPTION
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAF-30-05.0-XX-08-1-A SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)

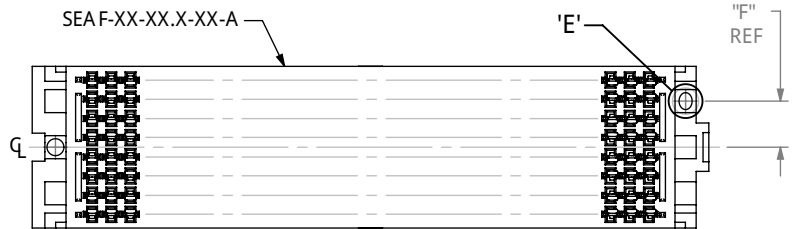
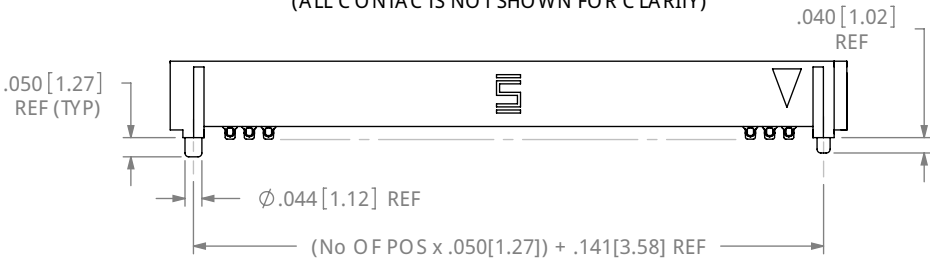


TABLE 6

No. OF ROWS	"F"
-04	.079[2.01]
-05	.120[3.05]
-06	.120[3.05]
-08	.120[3.05]
-10	.120[3.05]

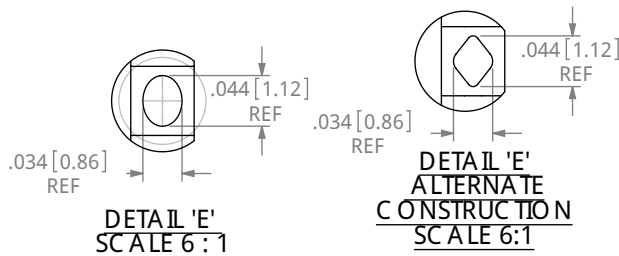


FIG. 4
 -K: KAPTON PAD OPTION
 (SEAF-30-05.0-XX-08-1-K SHOWN)
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)
 (HAND PLACE USE K-850-650)

DOT APPLICATOR-KAPTON TAPE: USE
 -04 ROW: K-DOT-.138-.250-.005
 -05/-06 ROW: K-DOT-.236-.343-.005
 -08 ROW: K-DOT-.325-.450-.005
 -10 ROW: K-DOT-.404-.500-.005

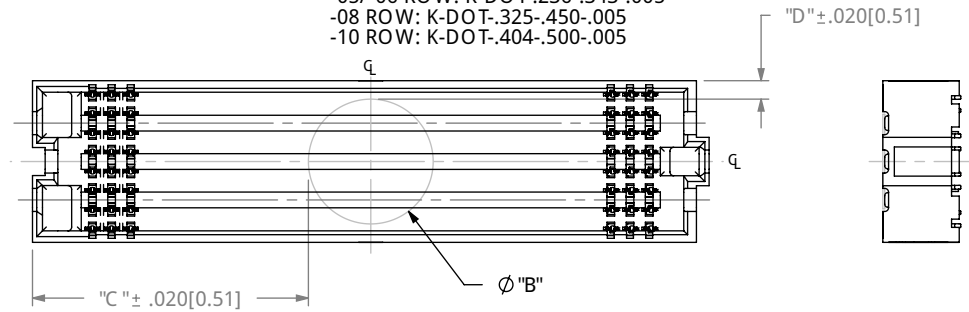


TABLE 3

ROW	"B"	"C"	"D"
-04	0.138 [3.50]	(((No OF POS x .050[1.27]) + .263[6.68]) - "B") / 2	0.042 [1.07]
-05, -06	0.236 [6.00]		0.043 [1.09]
-08	0.325 [8.25]		0.048 [1.22]
-10	0.404 [10.25]		0.059 [1.50]

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DESCRIPTION:
 .050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.
SEAF-XX-XX.X-XX-XX-X-XX

BY: BRATC HER 05/27/2004 SHEET 2 OF 6

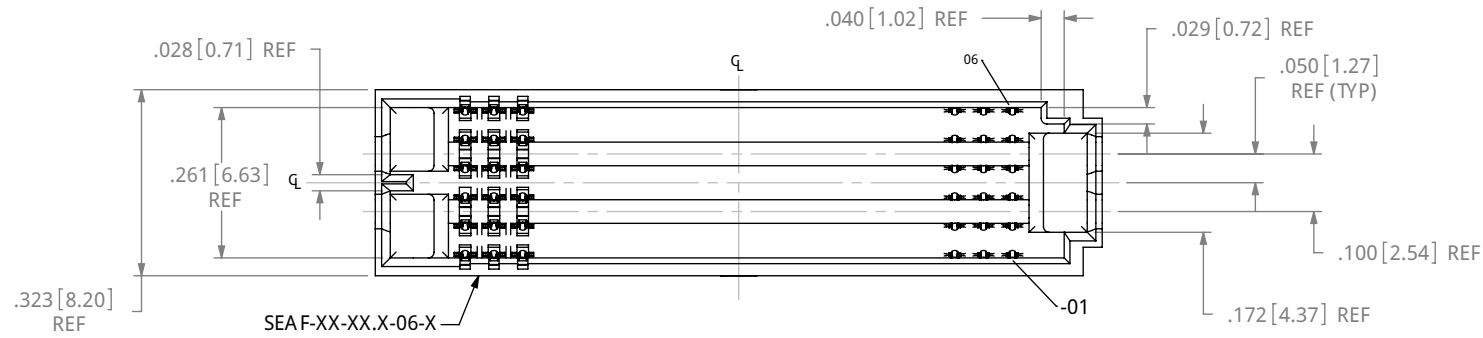


FIG. 5
 -06: 6 ROW
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAF-20-05.0-XX-06-1-A SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)

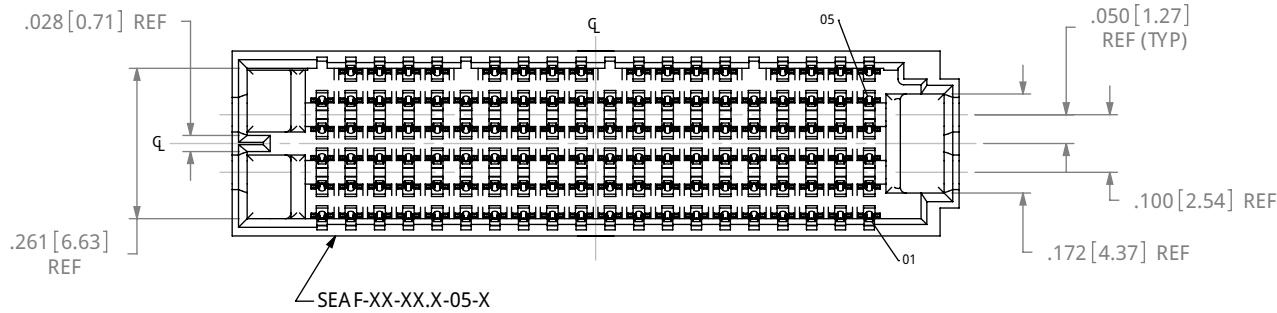
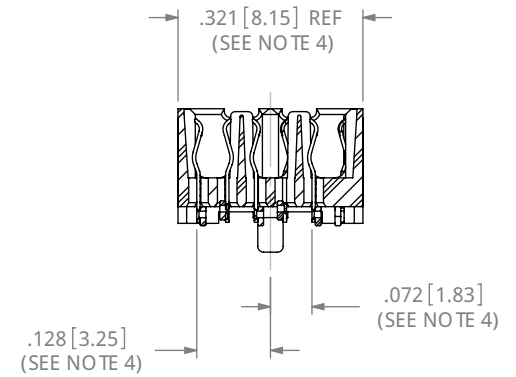
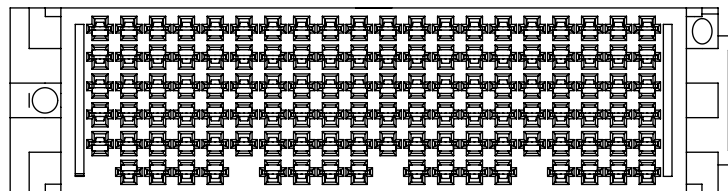
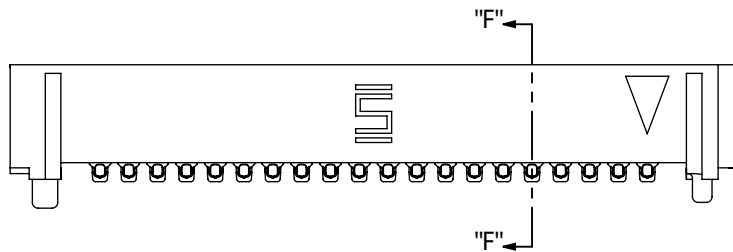


FIG. 6
 -05: 5 ROW
 (SAME AS FIG. 5, EXCEPT AS SHOWN)
 (SEAF-20-05.0-XX-05-1-A SHOWN)



SECTION "F"- "F"

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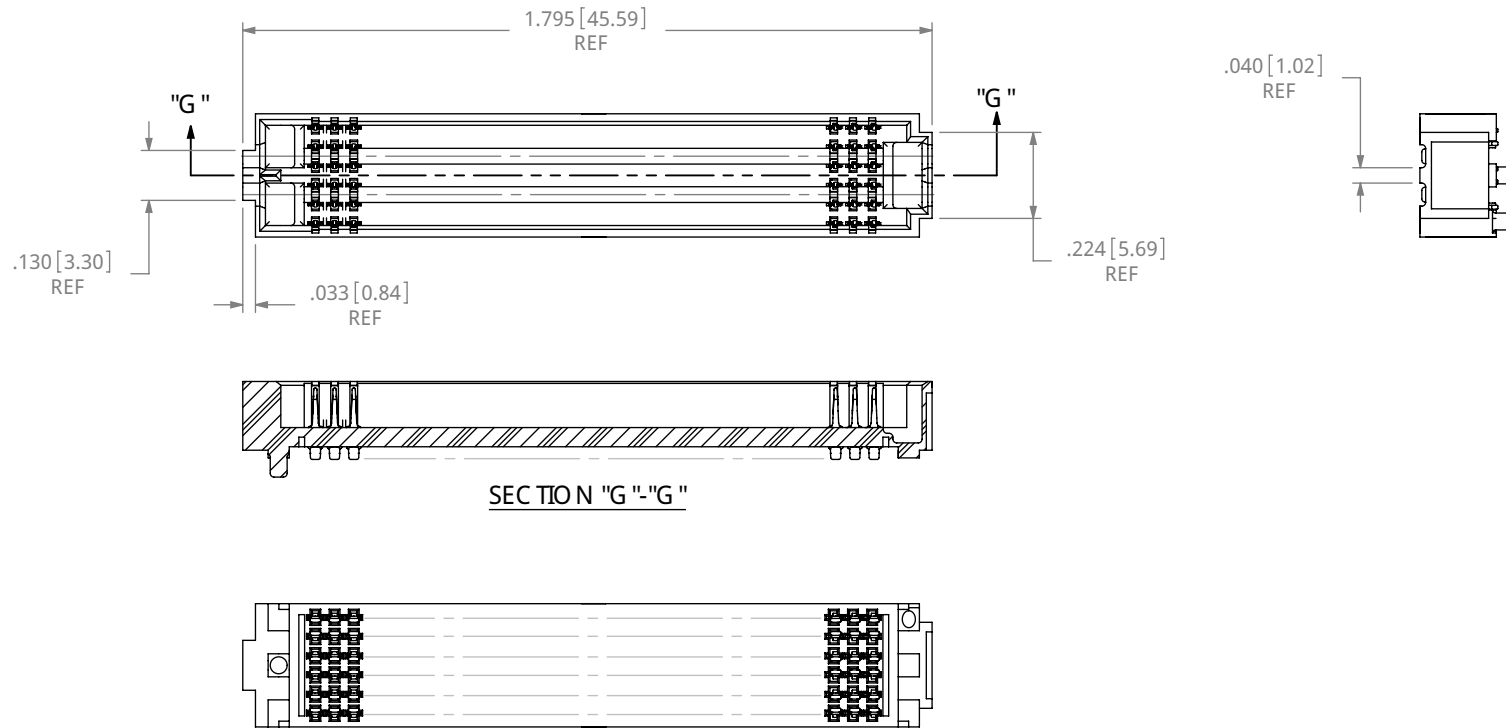
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 .050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.
SEAF-XX-XX.X-XX-XX-X-XX

BY: BRATC HER 05/27/2004 SHEET 3 OF 6

FIG. 7
 **N: NOTCH OPTION
 (SAME AS FIG. 3, EXCEPT AS SHOWN)
 (SEAF-30-05.0-XX-06-1-A-N SHOWN)
 (-05.0 LEAD STYLE ONLY)
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.050 PITCH SOCKET ARRAY ASSEMBLY	
DWG. NO.	
SEAF-XX-XX.X-XX-XX-X-XX	
BY: BRATC HER 05/27/2004	SHEET 4 OF 6

FIG. 8
SEA F-30-05.0-XX-10-2-04
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29

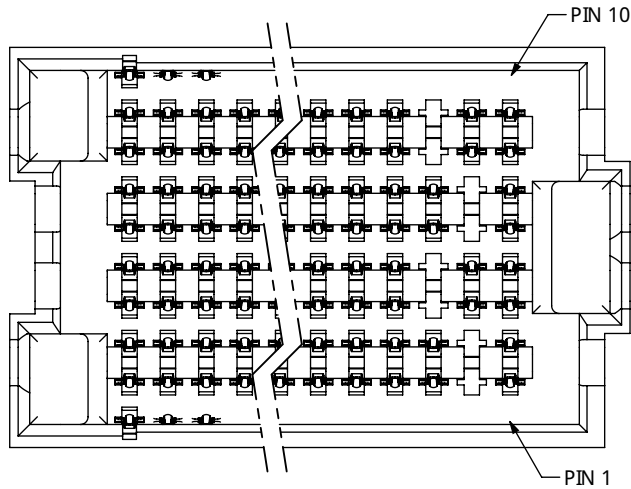


FIG. 9
SEA F-30-05.0-XX-10-2-08
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,

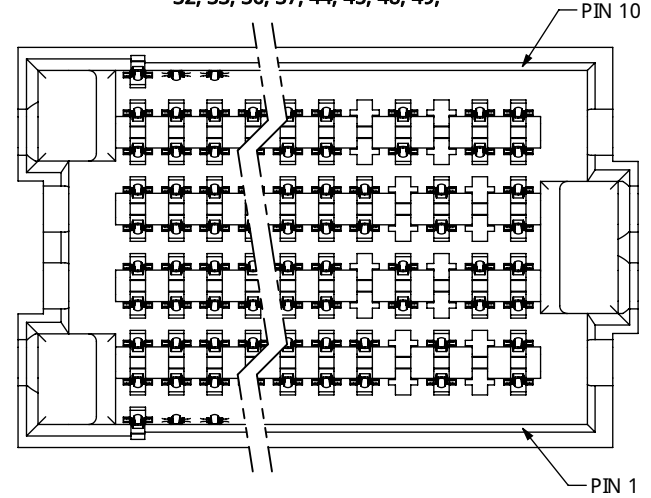


FIG. 10
SEA F-30-05.0-XX-10-2-12
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,
52, 53, 56, 57, 64, 65, 68, 69,

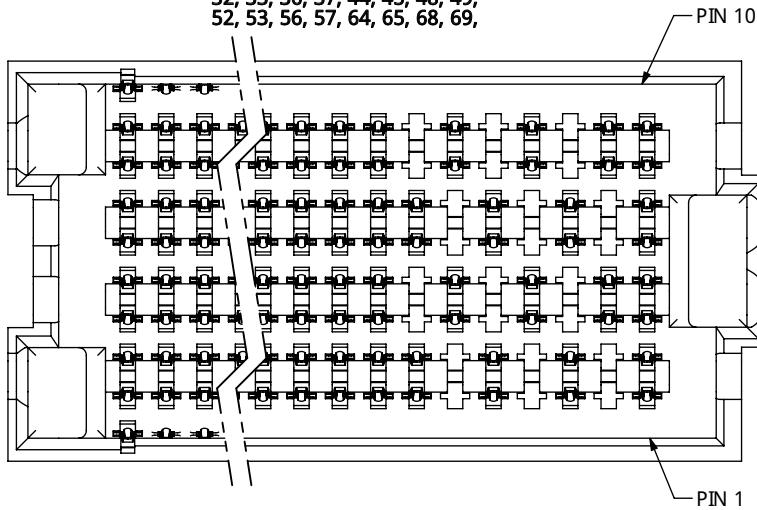
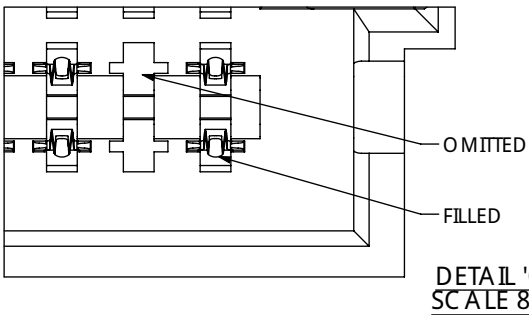
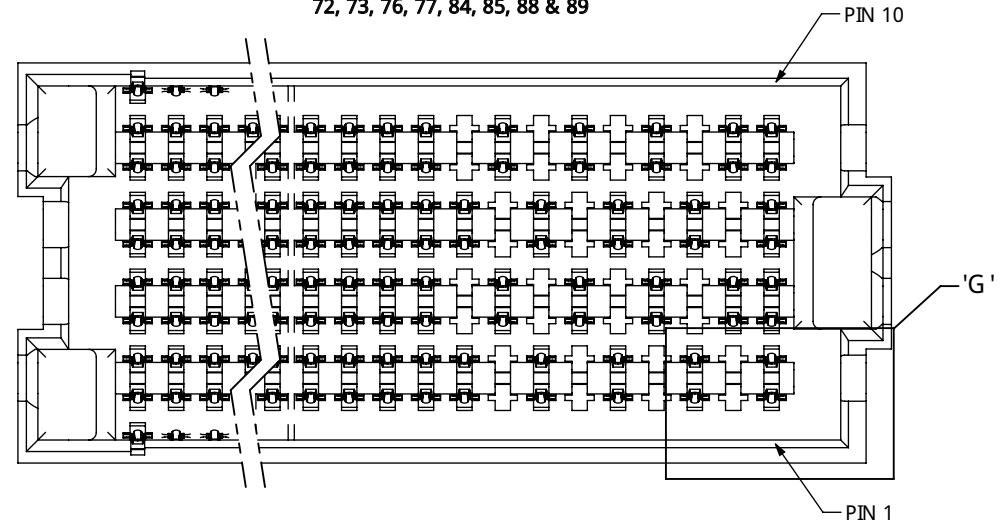


FIG. 11
SEA F-30-05.0-XX-10-2-16
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,
52, 53, 56, 57, 64, 65, 68, 69,
72, 73, 76, 77, 84, 85, 88 & 89



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.050 PITCH SOCKET ARRAY ASSEMBLY
DWG. NO.
SEA F-XX-XX.X-XX-XX-X-XX
BY: BRATC HER 05/27/2004 SHEET 5 OF 6

FIG. 12
 -04: 4 ROW
 (SEAF-20-05.0-XX-04-1-A SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)
 (SAME AS FIG. 1 EXCEPT AS SHOWN)

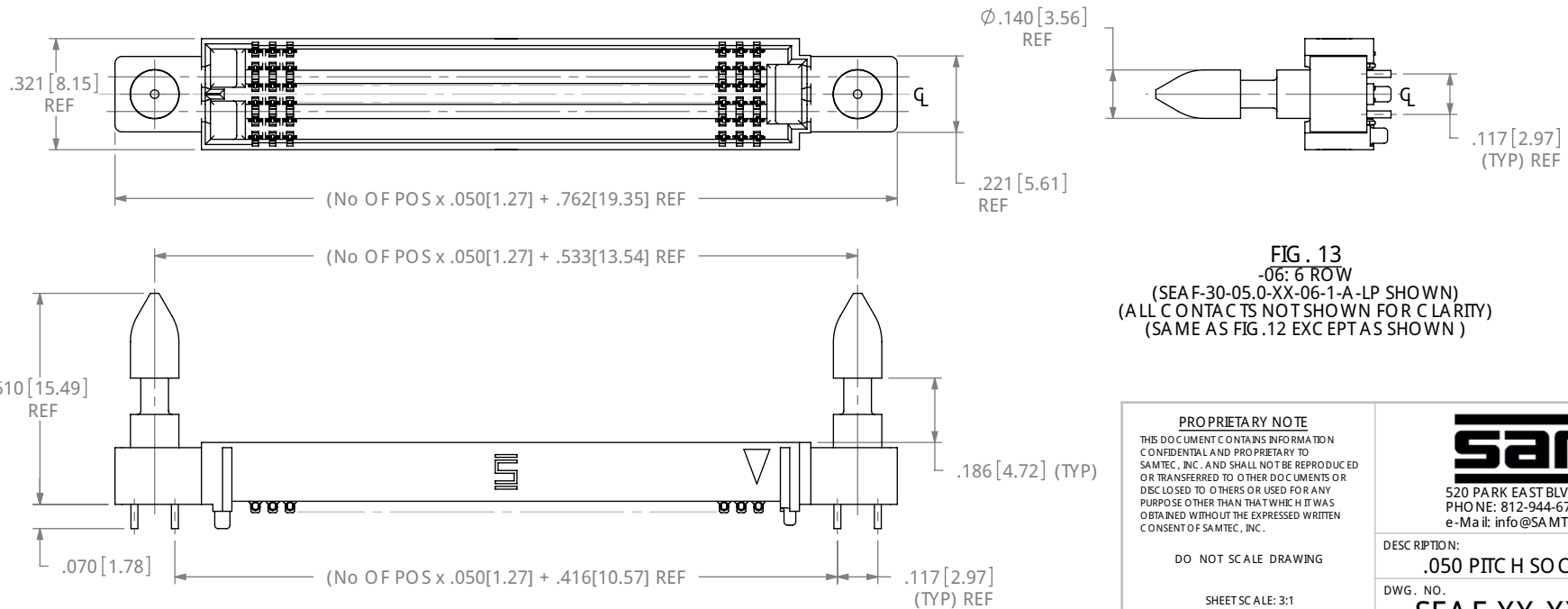
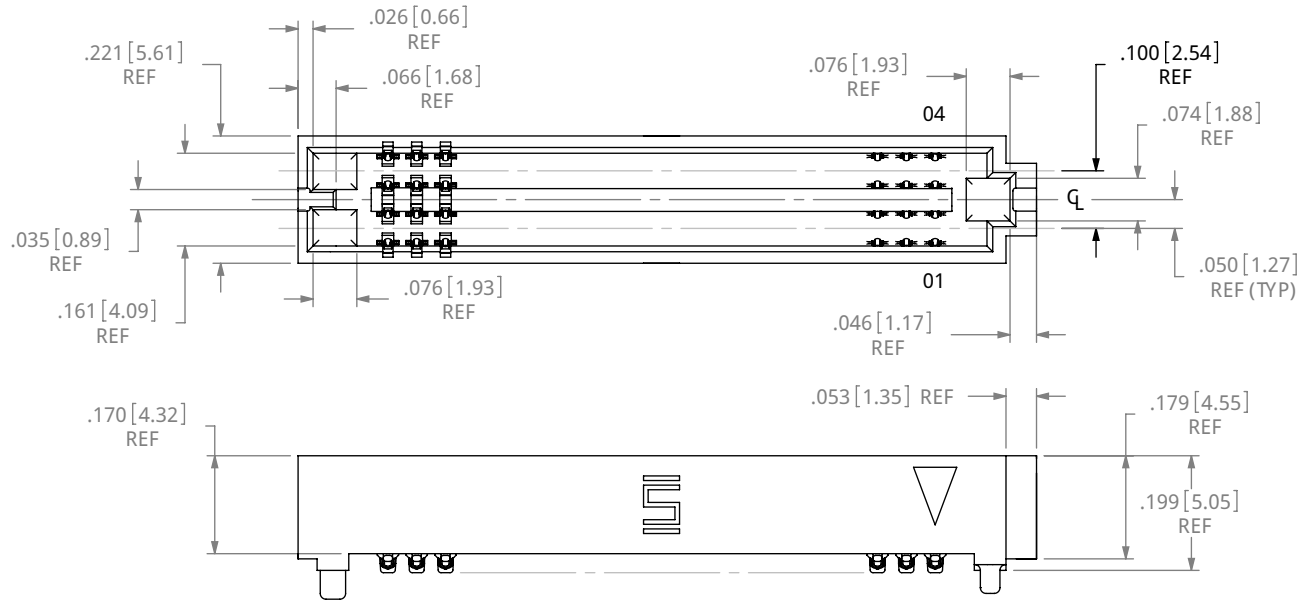


FIG. 13
 -06: 6 ROW
 (SEAF-30-05.0-XX-06-1-A-LP SHOWN)
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 (SAME AS FIG. 12 EXCEPT AS SHOWN)

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