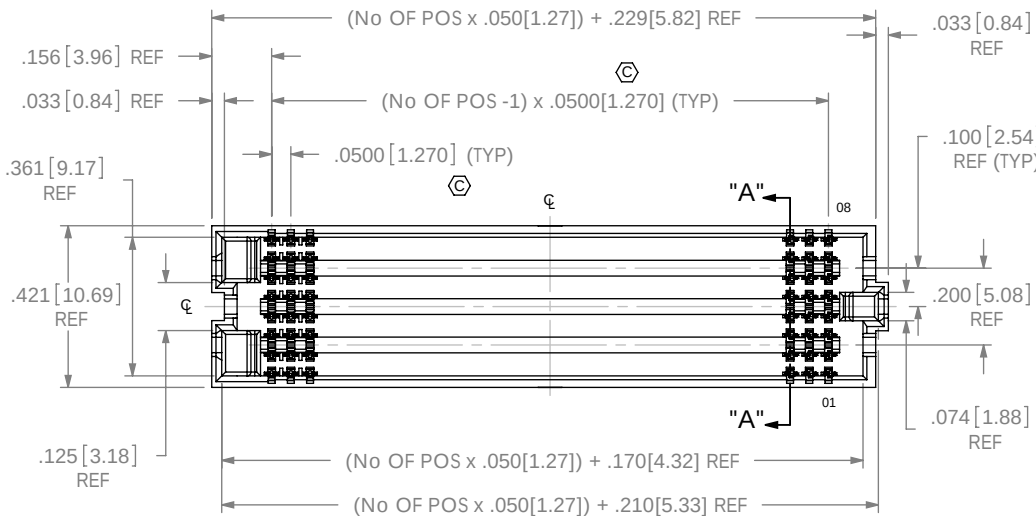


FIG. 1

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

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SCALE FROM
THIS PRINT



SEAF-XX-XX.X-XX-XX-X-XX

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

LEAD STYLE
-05.0: .199[5.06] HEIGHT
-06.0: .238[6.05] HEIGHT
-06.5: .258[6.55] HEIGHT
(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)

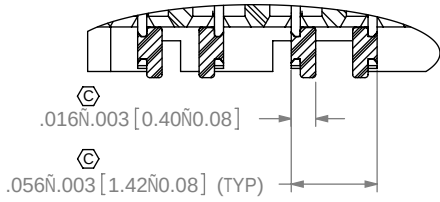
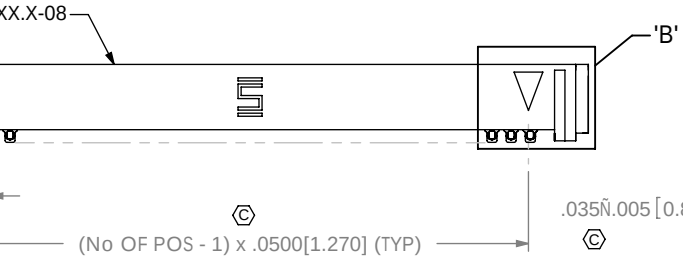
** = NOT RELEASED FOR PRODUCTION.
*** = ONLY AVAILABLE WITH BODY
HEIGHT -05.0 AND -10 ROW.
**** = 10 POSITION ONLY AVAILABLE
IN 4 ROW
*****=ONLY AVAILABLE WITH -06.5
LEAD STYLE AND -06 ROW.
*****= -LP OPTION REQUIRED FOR
SEAC MATE ONLY.
☒ =ONLY AVAILABLE WITH -06.5
LEAD STYLE AND -04 ROW

- 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)
- 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)

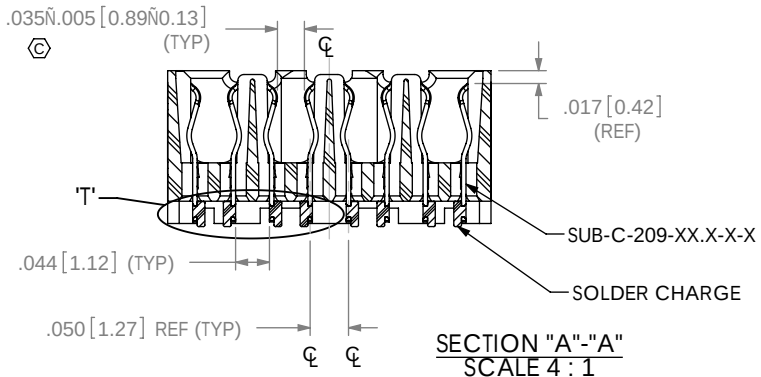
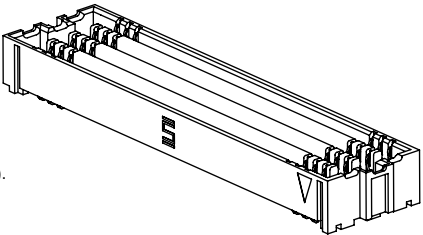
TABLE 2				
STACK HEIGHT				
SEAF LEAD STYLE	SEAM LEAD STYLE			
	-02.0	-03.0	-03.5	
-05.0	7mm	8mm	8.5mm	
-06.0	8mm	9mm	9.5mm	
-06.5	8.5mm	9.5mm	10mm	

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. © 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 SYMMETRICAL WITH BODY
WIDTH (DIM .321[8.15]); SEE FIG. 6, SHEET 3).
 5. INSPECT DIMENSION AT 4 CORNERS OF PART.



DETAIL 'T'
SCALE 8 : 1



SECTION "A"- "A"
SCALE 4 : 1

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 SHEET SCALE: 2:1

INSULATOR: L.C.P., COLOR: BLACK
CONTACT OR TERMINAL: COPPER ALLOY

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

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

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

BY: BRATCHER 05/27/2004 SHEET 1 OF 6

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)

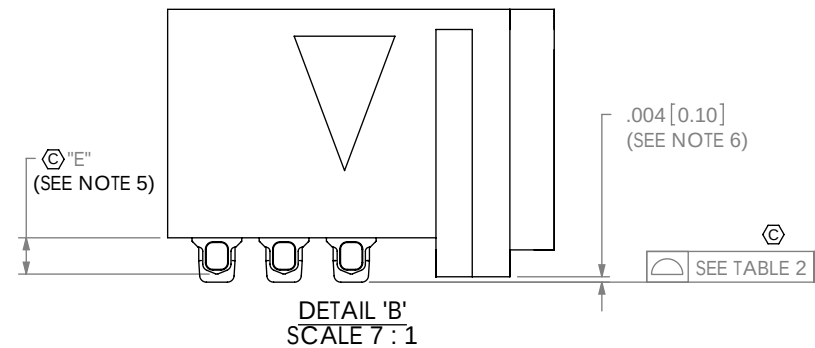
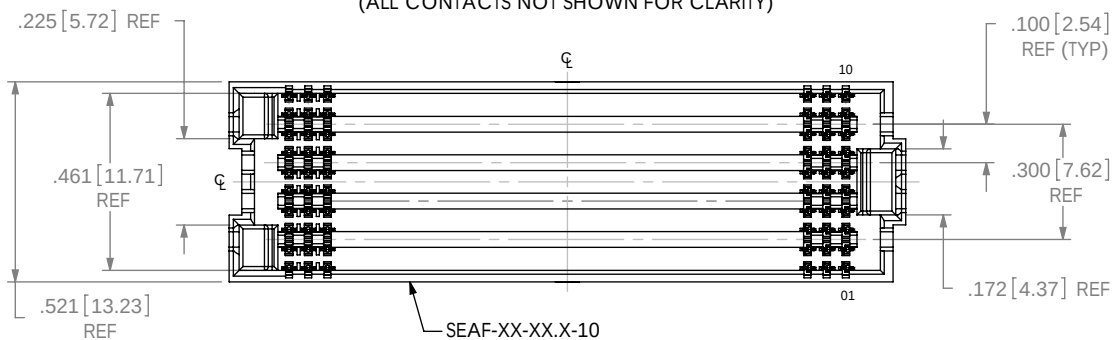


TABLE 4	
POSITION	FLATNESS
-10 TO -30	.006[0.15]
-40	.009[0.23]
-50	.009[0.23]

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)

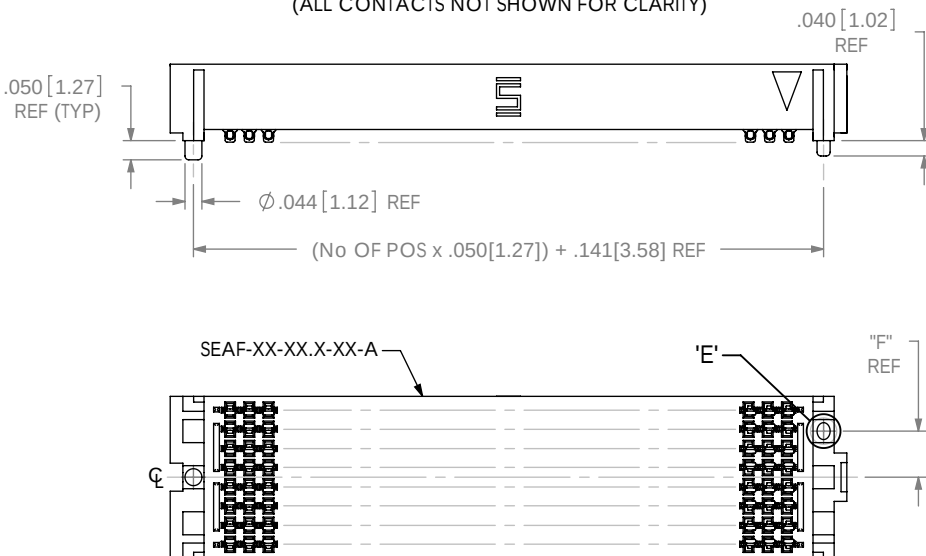


TABLE 6	
No. OF ROWS	"F"
-04	.079[2.01]
-05	.120[3.05]
-06	.120[3.05]
-08	.120[3.05]
-10	.120[3.05]

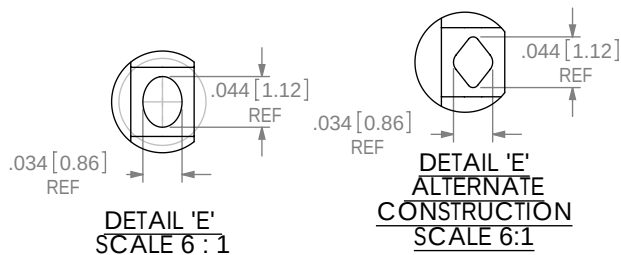


FIG. 4
-K: KAPTON PAD OPTION
(SEAF-30-05.0-XX-08-1-K SHOWN)
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
(HAND PLACE USE K-850-650)

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

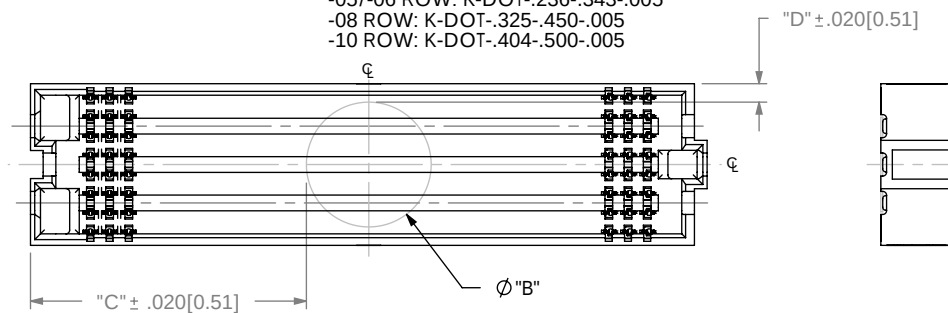


TABLE 3			
ROW	"B"	"C"	"D"
-04	0.138 [3.50]	(((No OF POS x .050[1.27]) + .263[6.68]) - "B") / 2	0.042 [1.07]
-05, -06	0.236 [6.00]		0.043 [1.09]
-08	0.325 [8.25]		0.048 [1.22]
-10	0.404 [10.25]		0.059 [1.50]

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DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

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

BY: BRATCHER 05/27/2004 SHEET 2 OF 6

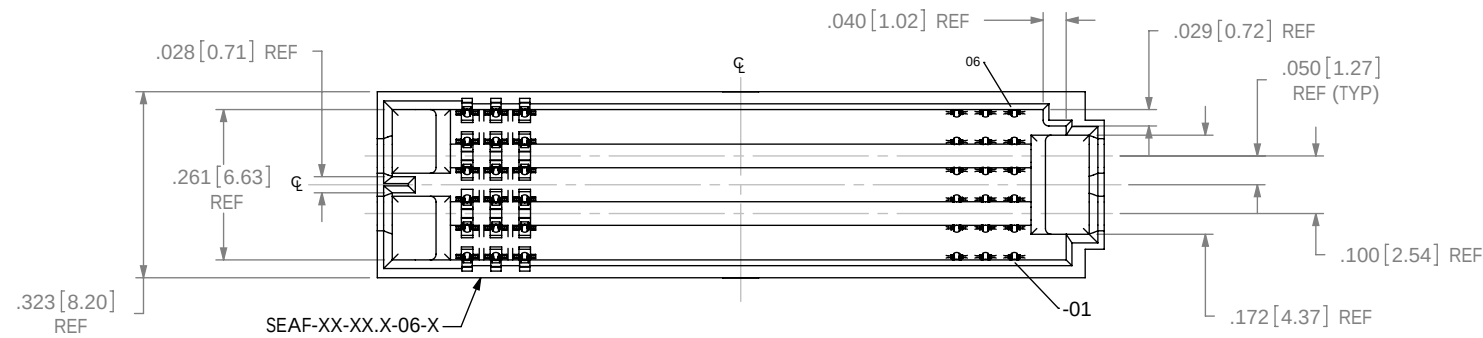


FIG. 5
-06: 6 ROW
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-06-1-A SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

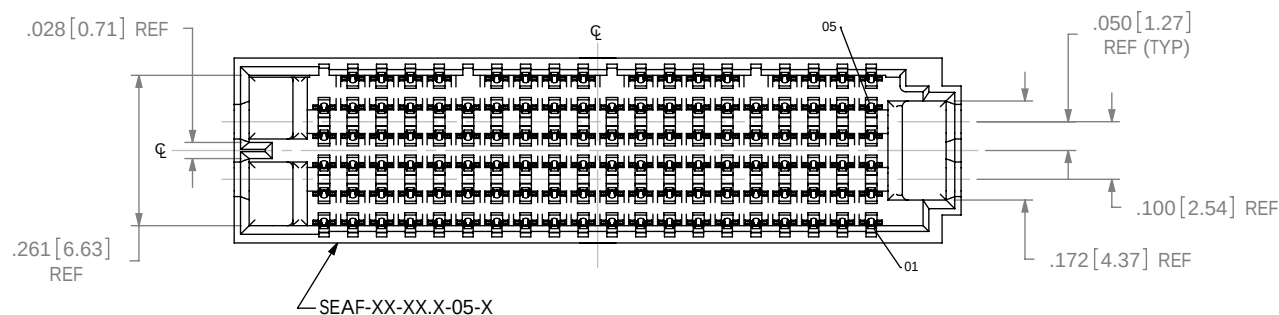
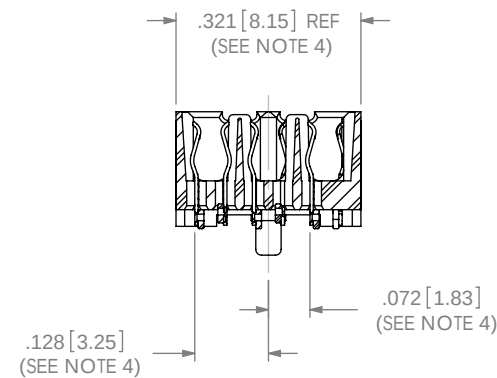
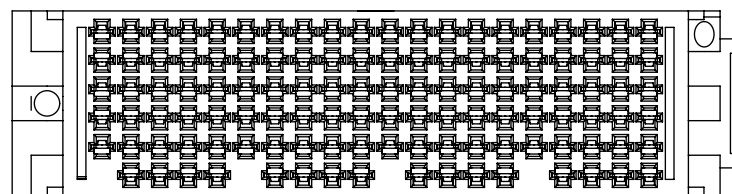
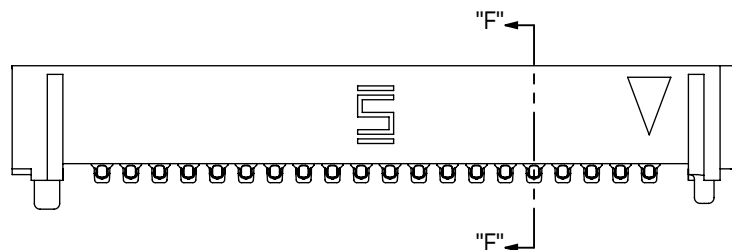


FIG. 6
-05: 5 ROW
(SAME AS FIG. 5, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-05-1-A SHOWN)



SECTION "F"-"F"

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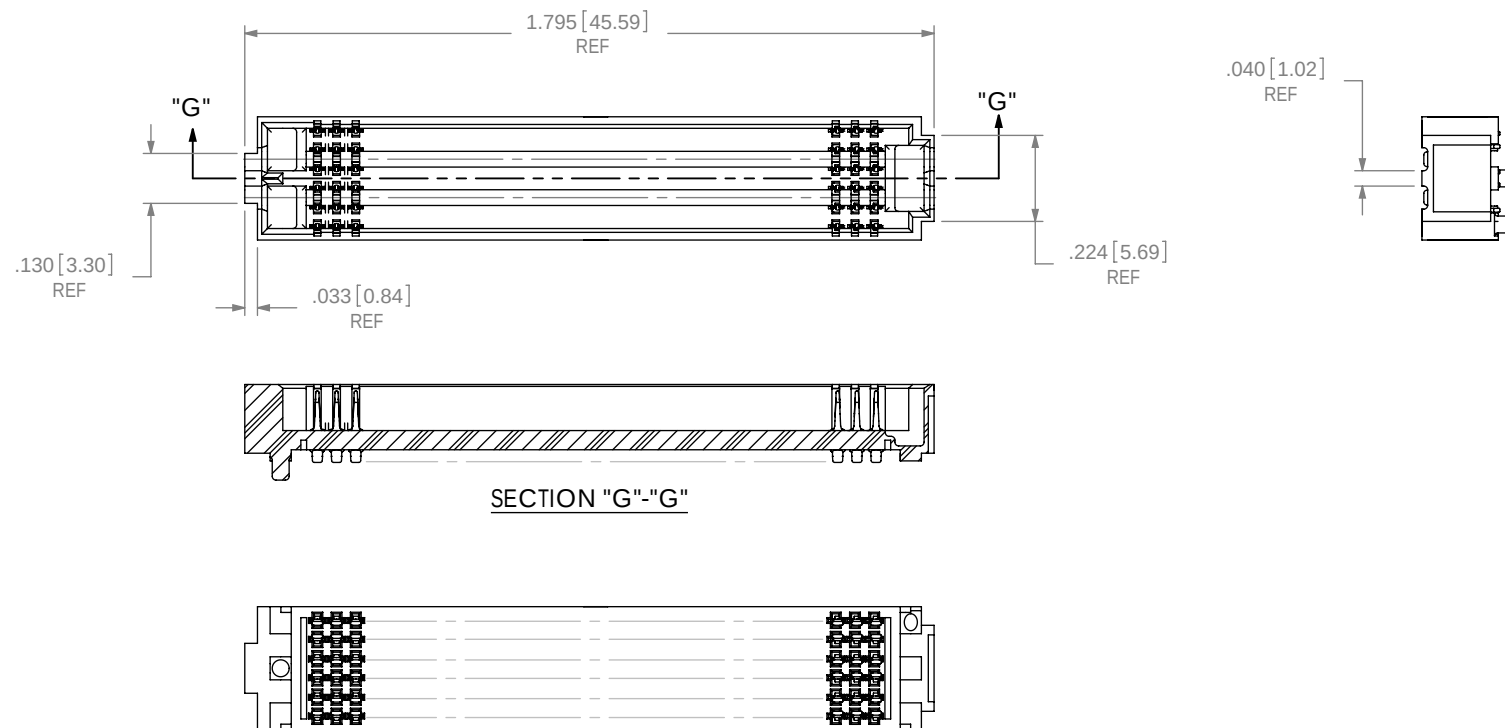
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e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

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

BY: BRATCHER 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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DESCRIPTION:
 .050 PITCH SOCKET ARRAY ASSEMBLY

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

BY: BRATCHER 05/27/2004 SHEET 4 OF 6

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

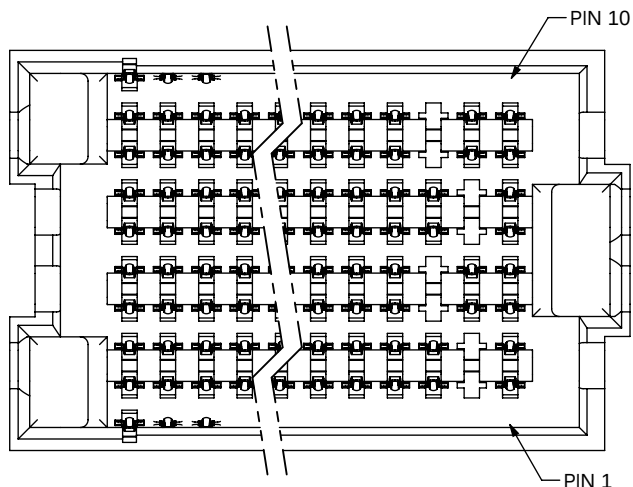


FIG. 9
SEAF-30-05.0-XX-10-2-08
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,

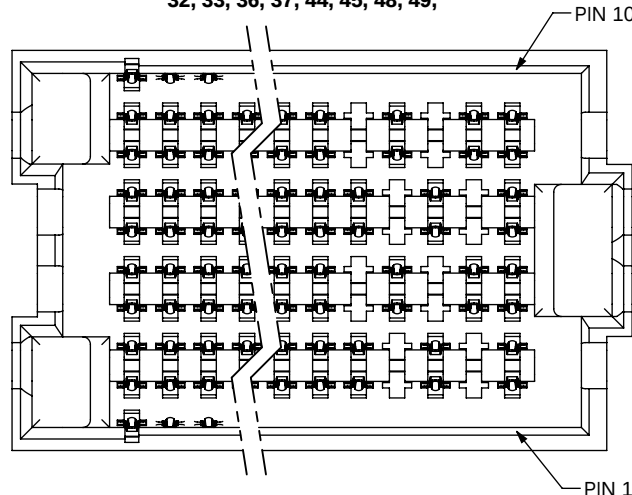


FIG. 10
SEAF-30-05.0-XX-10-2-12
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,
52, 53, 56, 57, 64, 65, 68, 69,

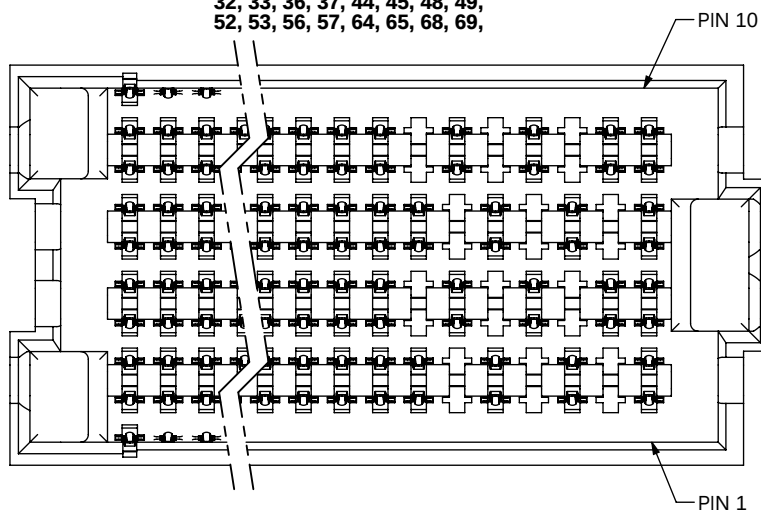
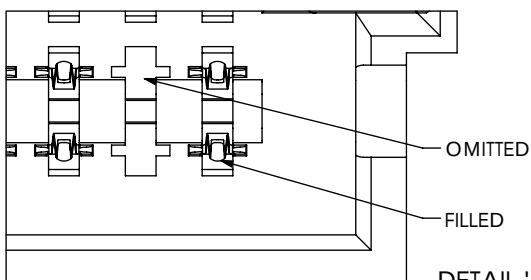
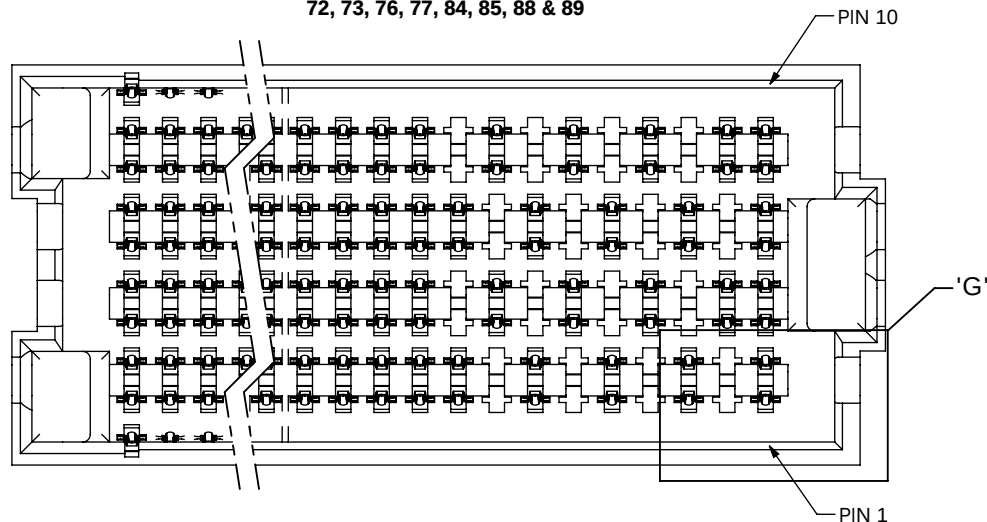


FIG. 11
SEAF-30-05.0-XX-10-2-16
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,
52, 53, 56, 57, 64, 65, 68, 69,
72, 73, 76, 77, 84, 85, 88 & 89



DETAIL 'G'
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DESCRIPTION:

.050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.

SEAF-XX-XX.X-XX-XX-X-XX

BY: BRATCHER 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)

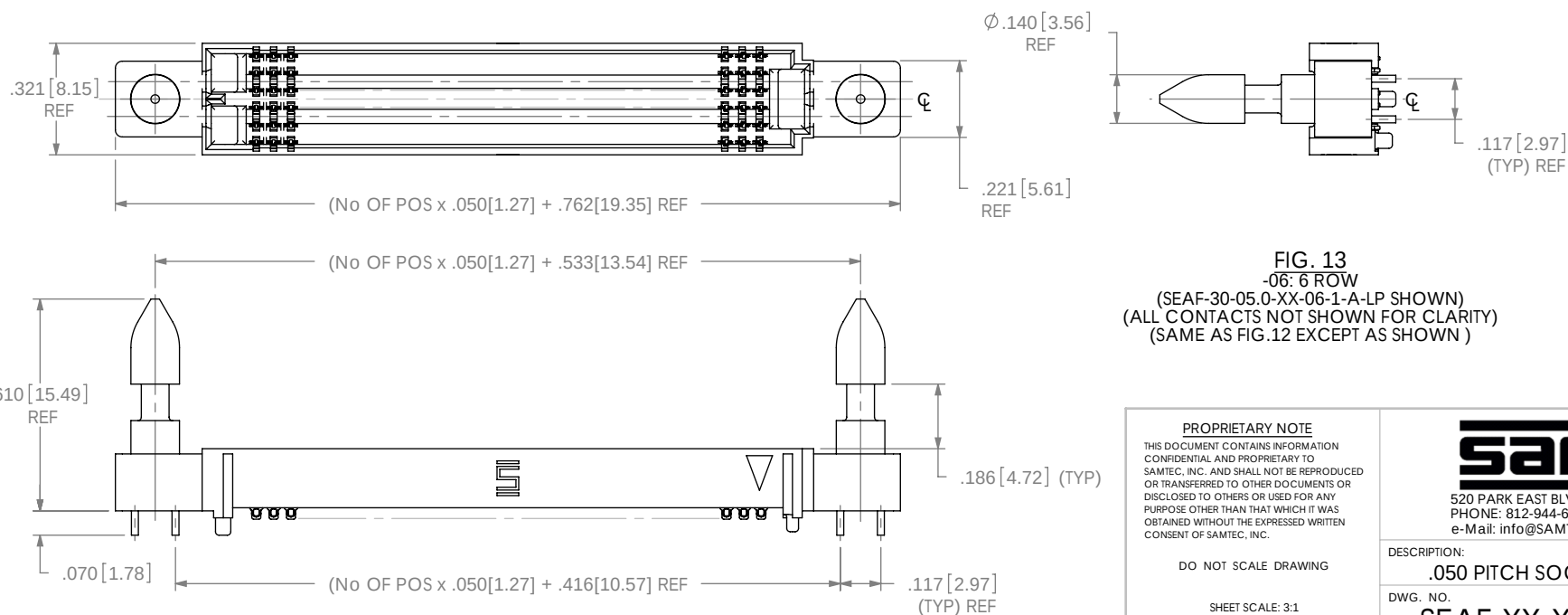
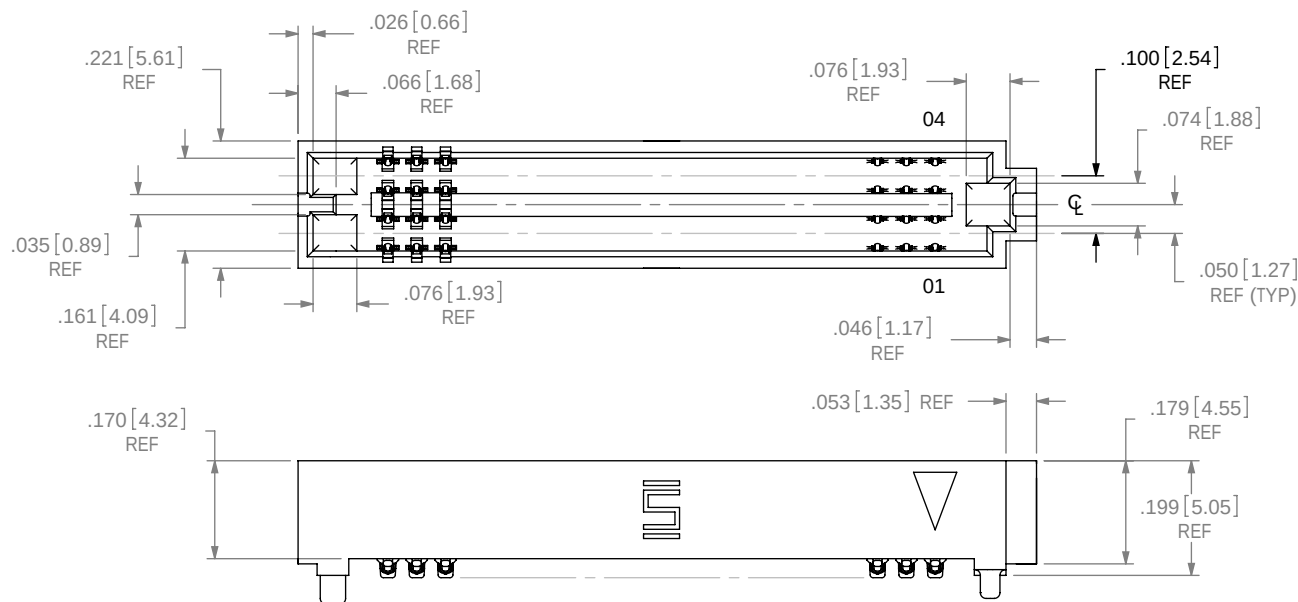


FIG. 13
-06: 6 ROW
(SEAF-30-05.0-XX-06-1-A-LP SHOWN)
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(SAME AS FIG.12 EXCEPT AS SHOWN)

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DWG. NO.

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