REVISION X

FIG. 1

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

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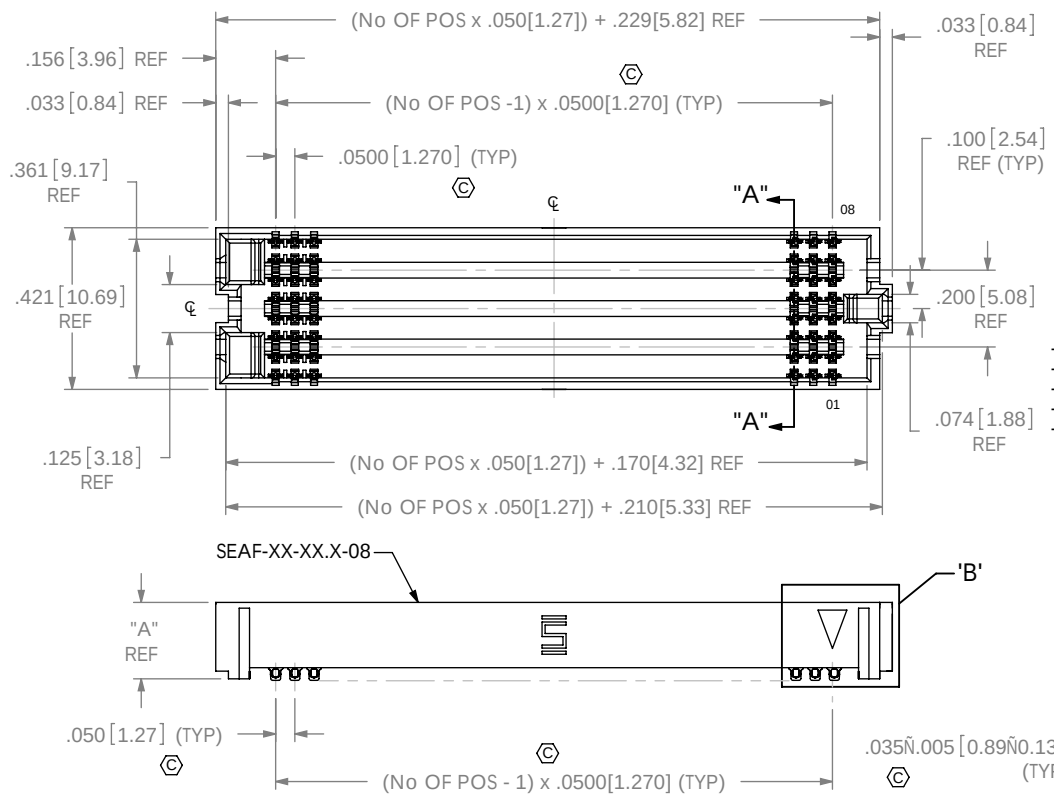
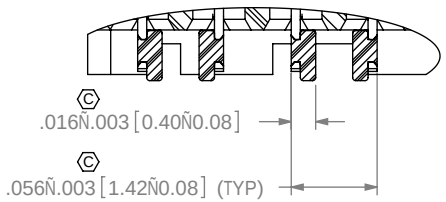
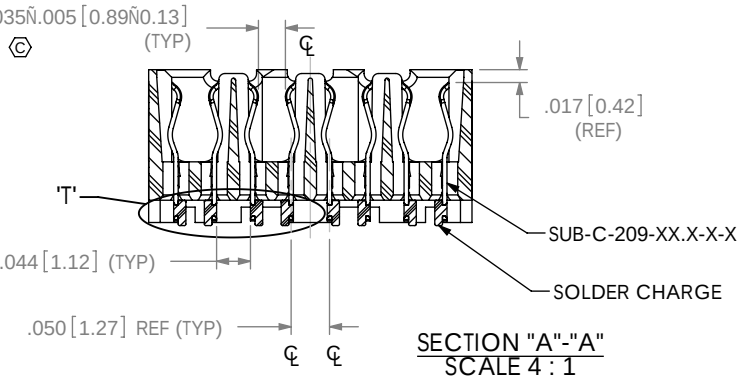




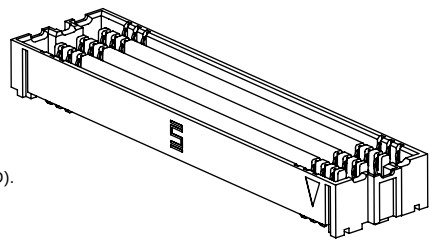
DETAIL 'T'
SCALE 8 : 1



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. Ⓒ 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.

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)

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 AVAILIBLE 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)

** = 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

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

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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: L.C.P., COLOR: BLACK
CONTACT OR TERMINAL: COPPER ALLOY

DESCRIPTION:
.050 PITCH SOCKET ARRAY ASSEMBLY

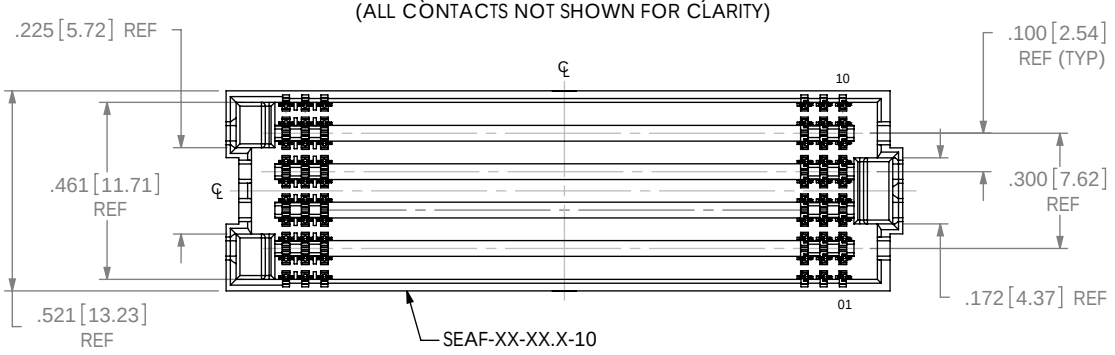
DWG. NO.
SEAF-XX-XX.X-XX-XX-X-XX

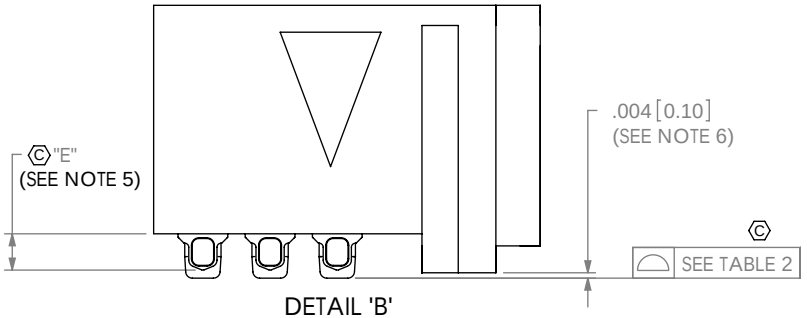
F:\DWG\MISC\MKTG\SEAF-XX-XX.X-XX-XX-X-XX-MKT.SLDDRW

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

REVISION X

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)

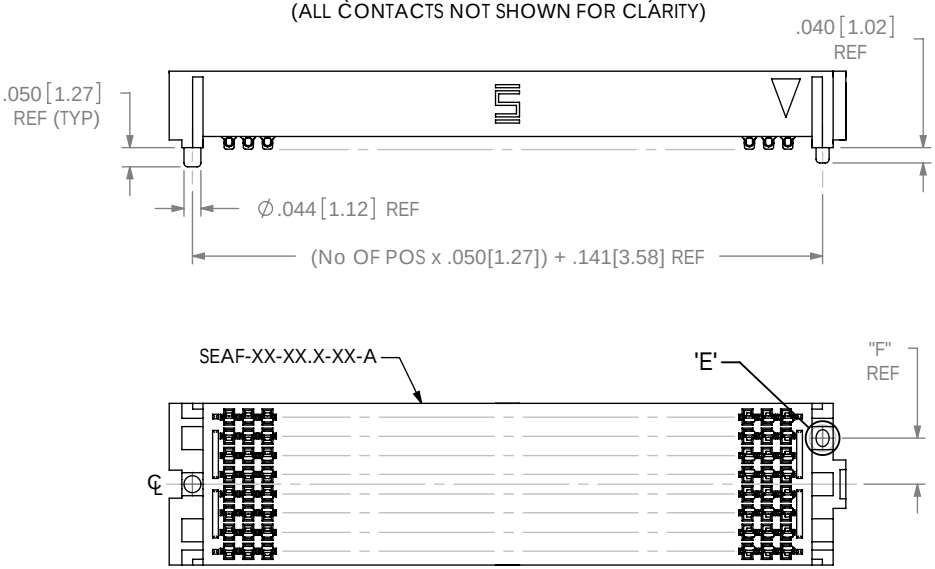
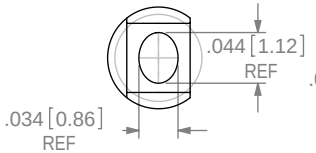
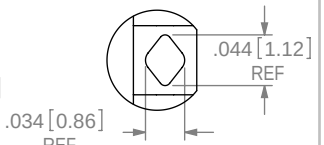


TABLE 6	
No. OF ROWS	"F"
-04	.079[2.01]
-05	.120[3.05]
-06	.120[3.05]
-08	.120[3.05]
-10	.120[3.05]



DETAIL 'E'
SCALE 6 : 1



DETAIL 'E'
ALTERNATE CONSTRUCTION
SCALE 6:1

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

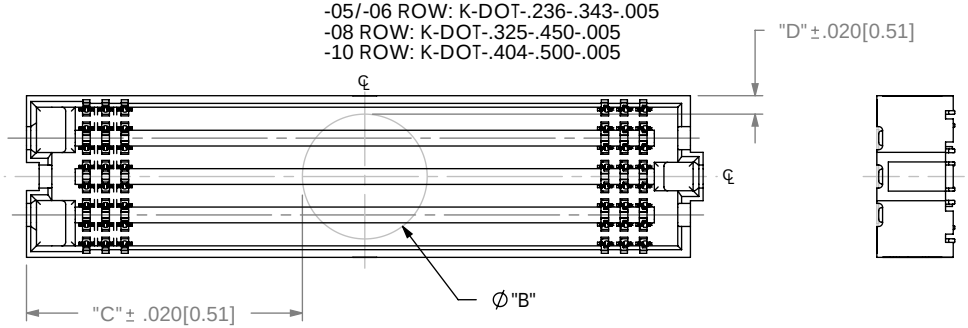


TABLE 3			
ROW	"B"	"C"	"D"
-04	0.138 [3.50]	(((No OF POS x .050[1.27]) + .263[6.68]) - "B") / 2	0.042 [1.07]
-05, -06	0.236 [6.00]		0.043 [1.09]
-08	0.325 [8.25]		0.048 [1.22]
-10	0.404 [10.25]		0.059 [1.50]

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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

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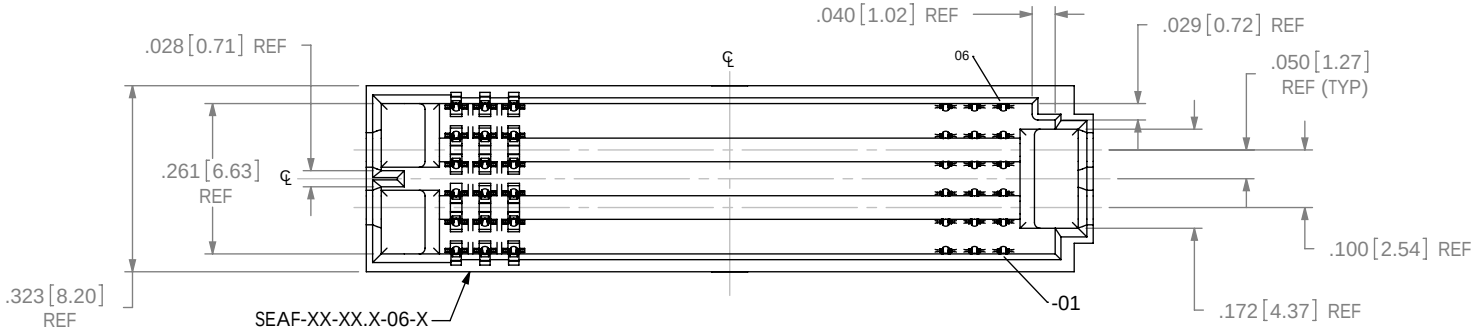


FIG. 5
-06: 6 ROW
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-06-1-A SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

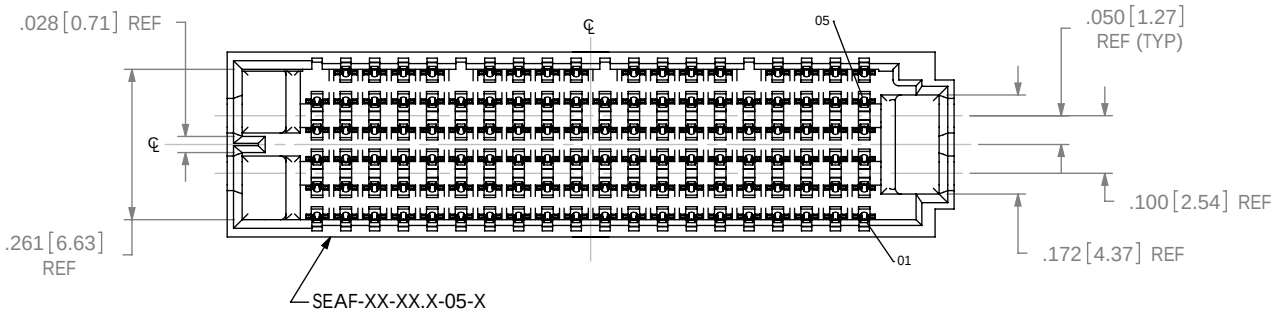
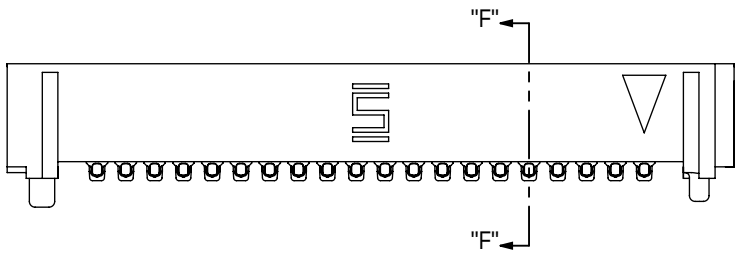
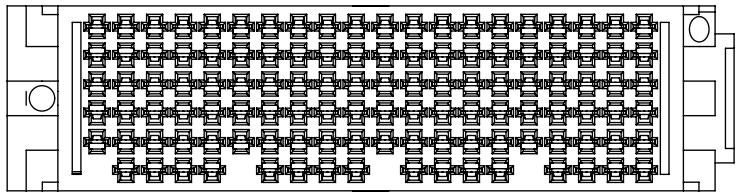
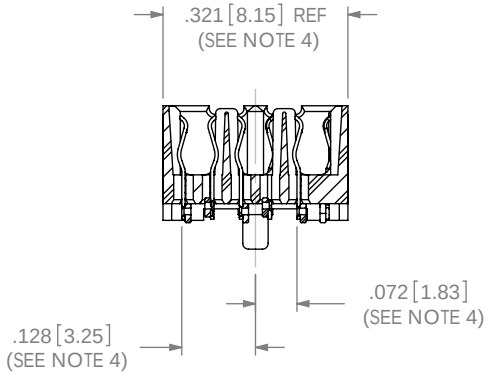


FIG. 6
-05: 5 ROW
(SAME AS FIG. 5, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-05-1-A SHOWN)







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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

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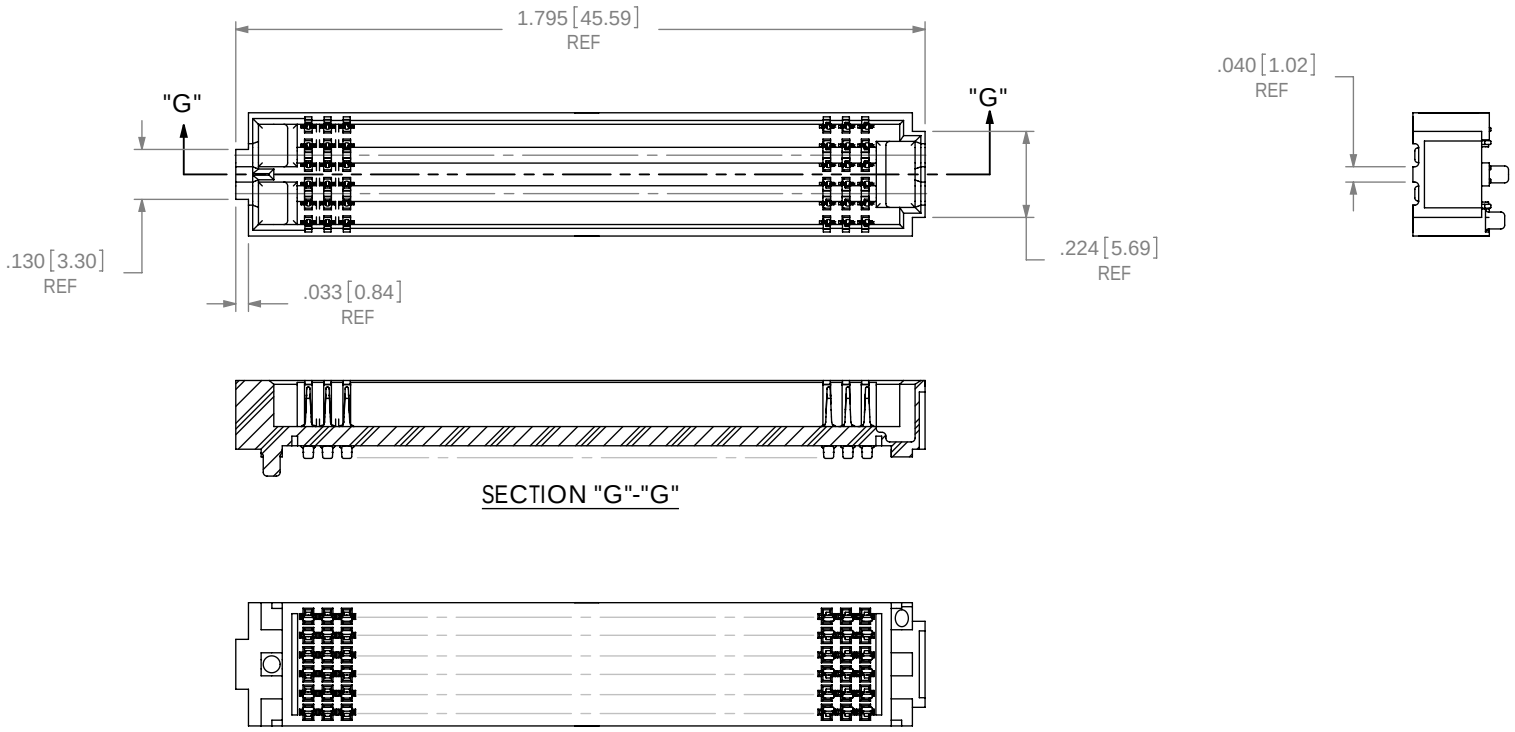
REVISION X

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)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
** = NOT RELEASE PRODUCTION



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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

REVISION X

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

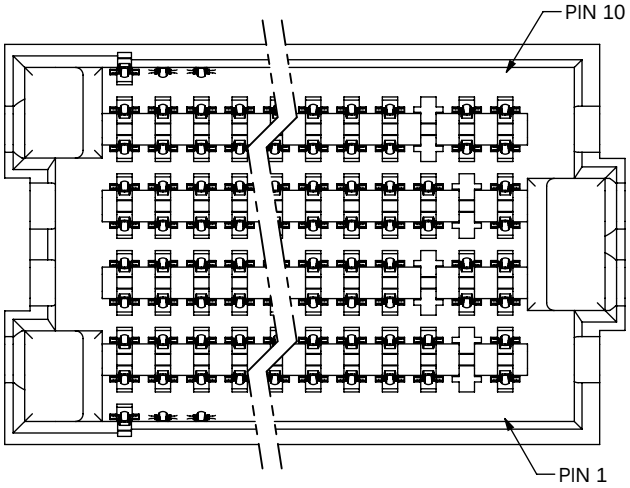


FIG. 9
SEAF-30-05.0-XX-10-2-08
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,

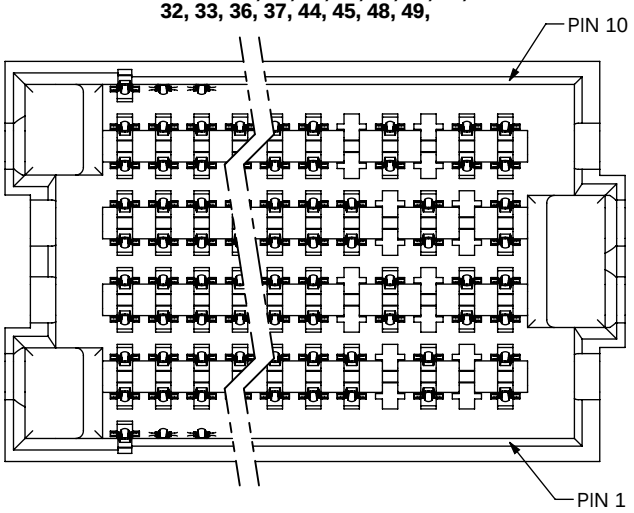


FIG. 10
SEAF-30-05.0-XX-10-2-12
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,
52, 53, 56, 57, 64, 65, 68, 69,

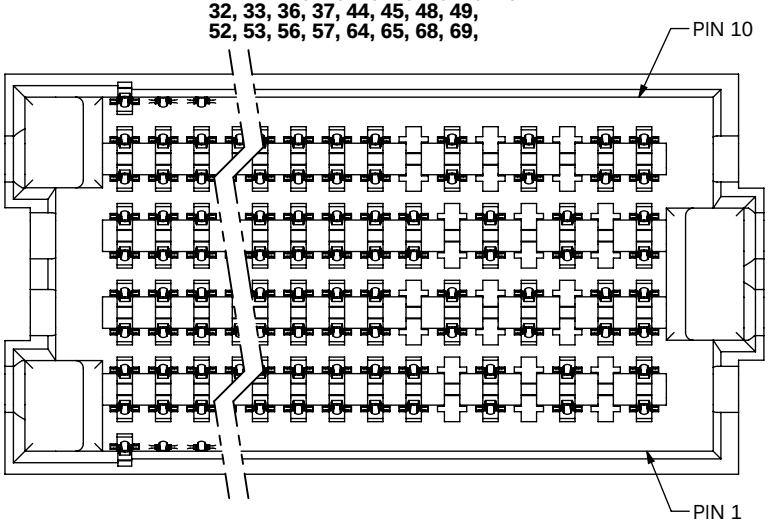
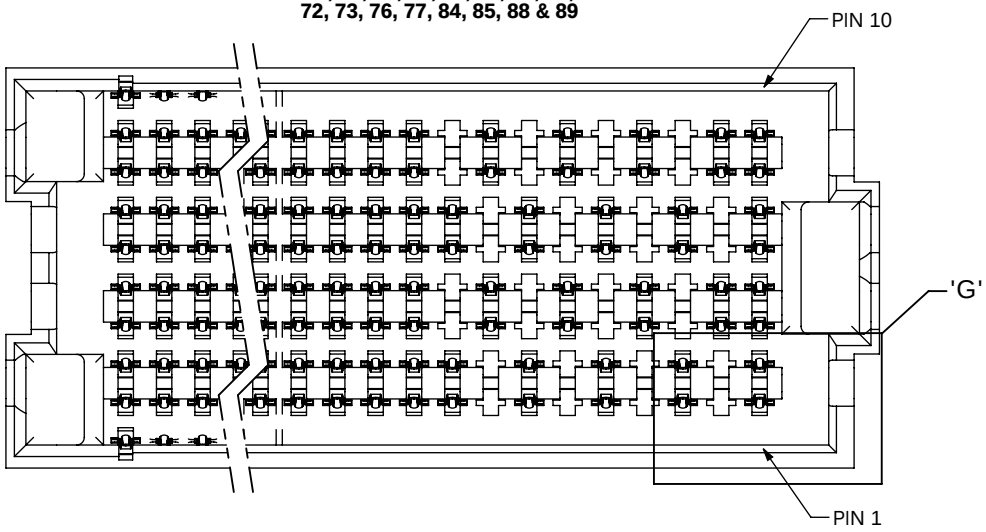
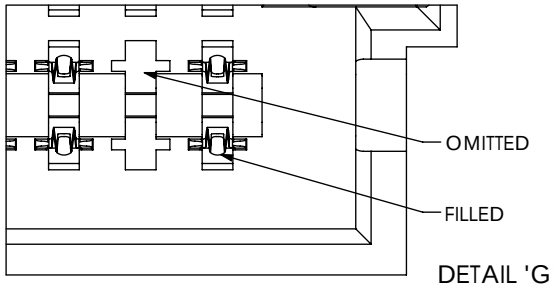


FIG. 11
SEAF-30-05.0-XX-10-2-16
PINS OMITTED 12, 13, 16, 17, 24, 25, 28, 29
32, 33, 36, 37, 44, 45, 48, 49,
52, 53, 56, 57, 64, 65, 68, 69,
72, 73, 76, 77, 84, 85, 88 & 89





DETAIL 'G'
SCALE 8 : 1

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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

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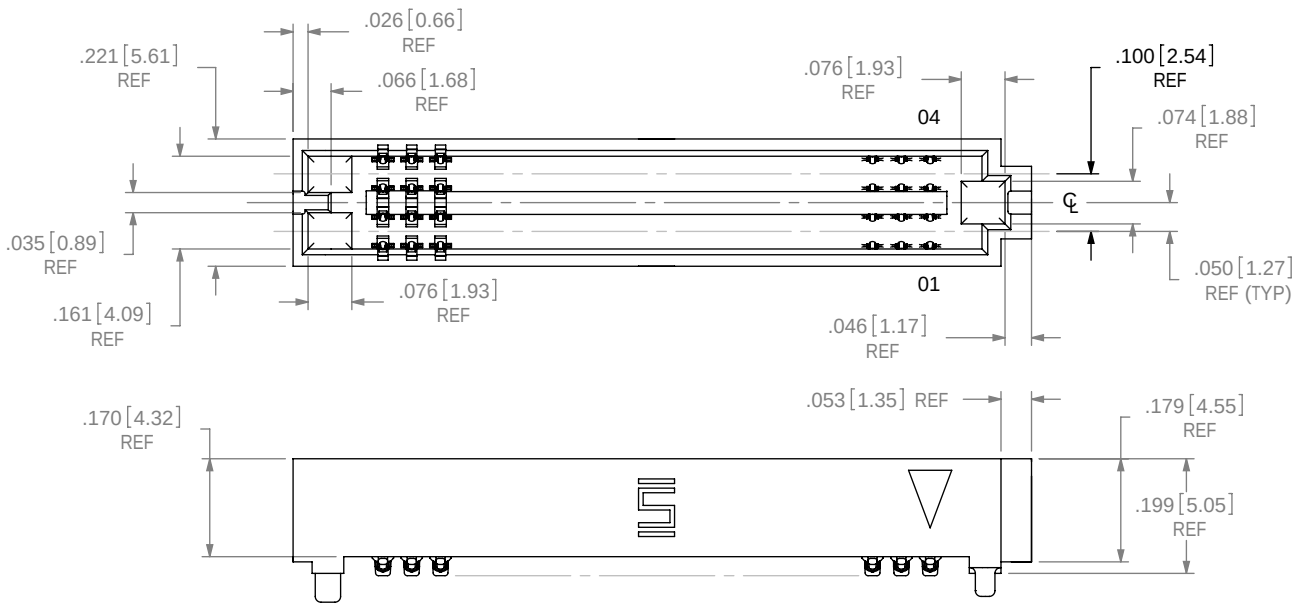
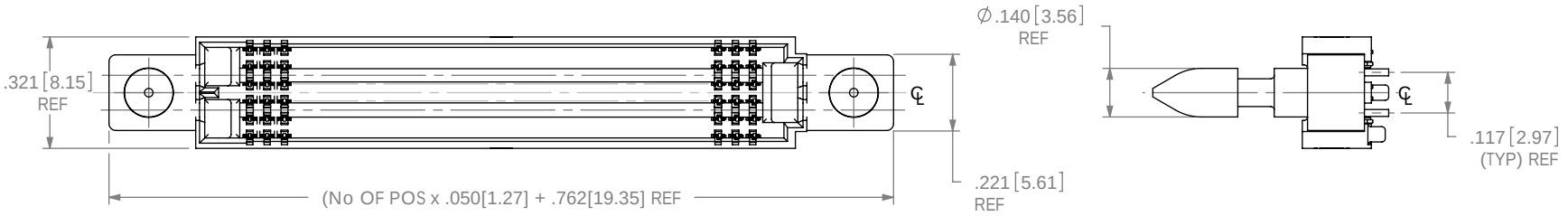
REVISION X

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)





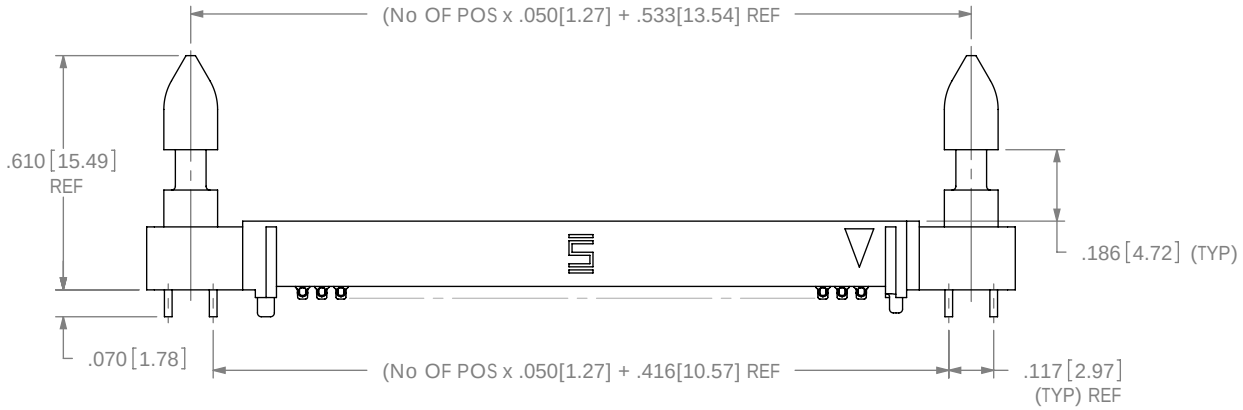


FIG. 13
-06: 6 ROW
(SEAF-30-05.0-XX-06-1-A-LP SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
(SAME AS FIG.12 EXCEPT AS SHOWN)

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SHEET SCALE: 3:1

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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