

FIG. 1
-08: 8 ROW
(SEAF-30-05.0-XX-08-1-A-XX-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)

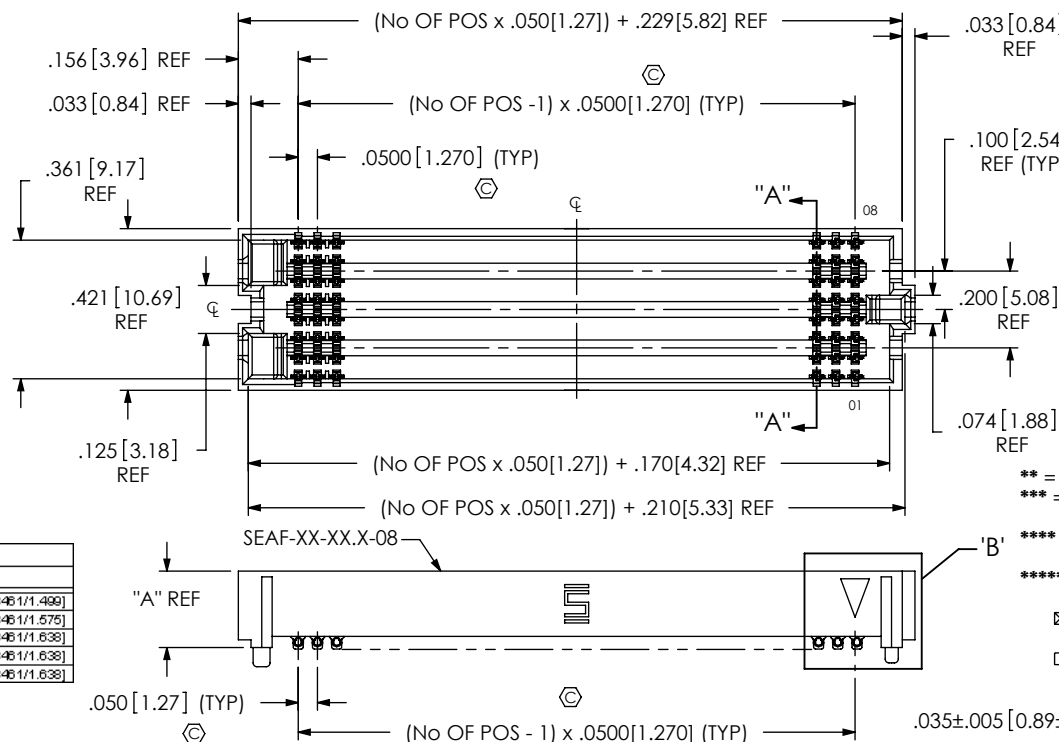


TABLE 8	
LEAD STYLE	"J"
-05.0	.0530/.0590 [1.348/1.499]
-06.0	.0530/.0620 [1.348/1.575]
-06.5	.0530/.0645 [1.348/1.638]
-07.5	.0530/.0645 [1.348/1.638]
**08.0	.0530/.0690 [1.348/1.738]

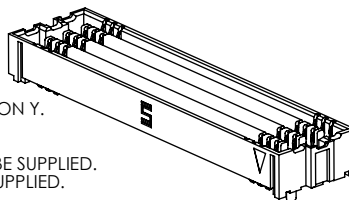
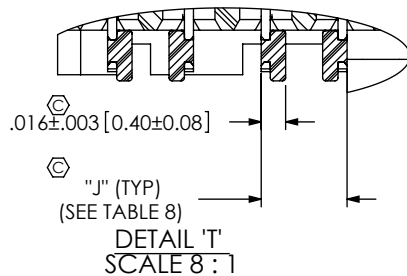
* = NOT TOOLED

TABLE 2		SEAM LEAD STYLE								
SEAF LEAD STYLE	STACK HEIGHT	-02.0	-03.0	-03.5	-06.5	-07.0	-09.0	-11.0	*-13.0	
-05.0	7mm	8mm	8.5mm	11.5mm	12mm	14mm	16mm	18mm		
-06.0	8mm	9mm	9.5mm	12.5mm	13mm	15mm	17mm	19mm		
-06.5	8.5mm	9.5mm	10mm	13mm	13.5mm	15.5mm	17.5mm	19.5mm		
-07.5	9.5mm	10.5mm	11mm	14mm	14.5mm	16.5mm	18.5mm	20.5mm		
-08.0	10mm	11mm	11.5mm	14.5mm	15mm	17mm	19mm	21mm		

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
-07.5	0.297 [7.54]	SEAF-XX-07.5-XX-X	SUB-C-209-07.5-X-X
08.0	0.317 [8.05]	SEAF-XX-08.0-XX-X	SUB-C-209-08.0-X-X

NOTES:

1. \odot REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: .75 LBS.
3. NOTE DELETED.
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.
6. WITHOUT -A AVAILABLE FOR EXISTING CUSTOMERS ONLY AS OF REVISION Y.
7. POLYIMIDE PAD WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
8. TAPE & REEL WILL BE SUPPLIED WHETHER OR NOT -TR IS SPECIFIED.
9. FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER, OR REEL WILL BE SUPPLIED.
10. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
11. SEE RECOMMENDED FOOTPRINT DRAWING FOR STENCIL REQUIREMENTS.
12. SOLDER CHARGE VOLUME IS .891 x 10⁻⁵ IN ³ REF.
13. FOR VITA REQUIREMENTS, -A PIN SHOULD NOT BE ORDERED.
14. SLOT ORIENTATION MUST BE AS SHOWN.



SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR

No OF POSITIONS

****-10, ***-15, *****-19, -20, \boxtimes -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
 \square -07.5: .297[7.54] HEIGHT
**-08.0: .317[8.05] 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 5)
-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.

\boxtimes =ONLY AVAILABLE WITH -05.0 AND -06.5 LEAD STYLE AND -04 ROW

\square =ONLY AVAILABLE WITH 30 POS & 4 ROW

TAPE & REEL
(SEE NOTES 8, 9 & 10)

POLYIMIDE PAD
(SEE FIG 4, SHT 2)
(SEE NOTE 7)

OPTION

-LP: LATCH POST OPTION
(SEE FIG 13, SHT 5)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE, 4, 6, 8 & 10 ROWS)

**-N: NOTCH

(SEE FIG 7, SHT 4)
(ONLY AVAILABLE IN SEAF-30-05.0-XX-06-X-XX)

**-RP: RETENTION PIN

(SEE FIG 16, SHT 5)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE, 6, 8 & 10 ROWS)
-PP: POLARIZATION PIN
(SEE FIG 17, SHT 5)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE, 6, 8 & 10 ROWS)

ALIGNMENT PIN
(SEE FIG 3, SHT 2)
(SEE NOTE 6)
(SEE NOTE 13)

SOLDER COMPOSITION & STYLE

-1: 63% TIN / 37% LEAD
CHARGE TAIL
(USE SUB-C-209-XX.X-S-1)

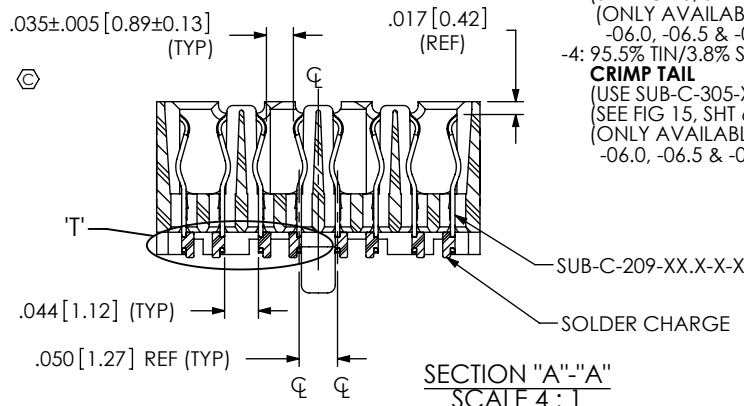
-2: 95.5% TIN/3.8% SILVER/.7% COPPER
CHARGE TAIL
(USE SUB-C-209-XX.X-S-2)

-3: 63% TIN / 37% LEAD
CRIMP TAIL
(USE SUB-C-305-XX.X-X-1)

(SEE FIG 15, SHT 6)
(ONLY AVAILABLE ON -05.0, -06.0, -06.5 & -07.5 LEAD STYLES)

-4: 95.5% TIN/3.8% SILVER/.7% COPPER
CRIMP TAIL
(USE SUB-C-305-XX.X-X-2)

(SEE FIG 15, SHT 6)
(ONLY AVAILABLE ON -05.0, -06.0, -06.5 & -07.5 LEAD STYLES)



UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS

ANGLES

.XX: \pm .01 [.3]

2°

.XXX: \pm .005 [.13].XXXX: \pm .0020 [.051]

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MATERIAL:

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

INSULATOR: LCP, COLOR: BLACK
CONTACT OR TERMINAL: COPPER ALLOY

DESCRIPTION:

.050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.

SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 05/27/2004

SHEET 1 OF 6

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

samtec

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-A-XX-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)

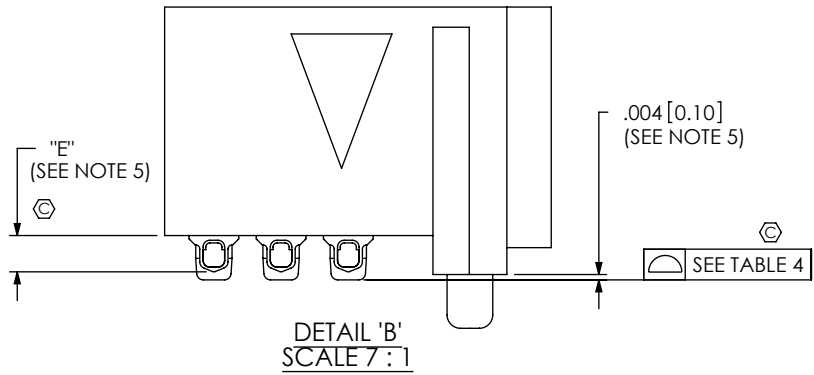
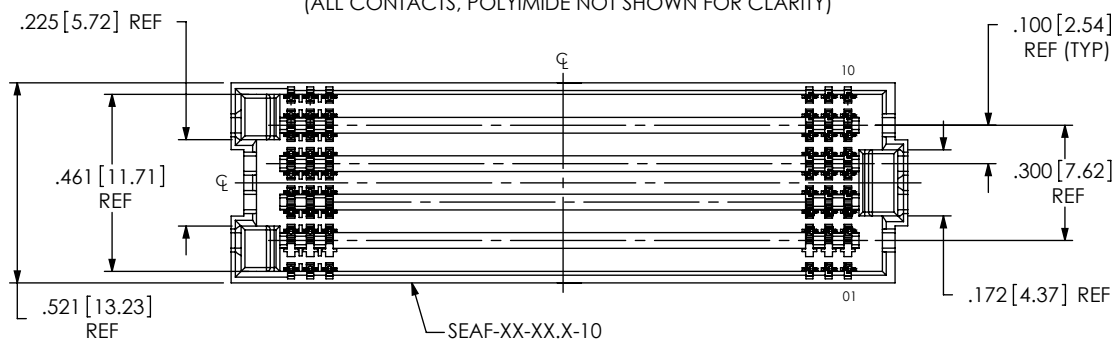


TABLE 4

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[2.184]
-07.5	.0660[1.677]
-08.0	.0660[1.677]

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

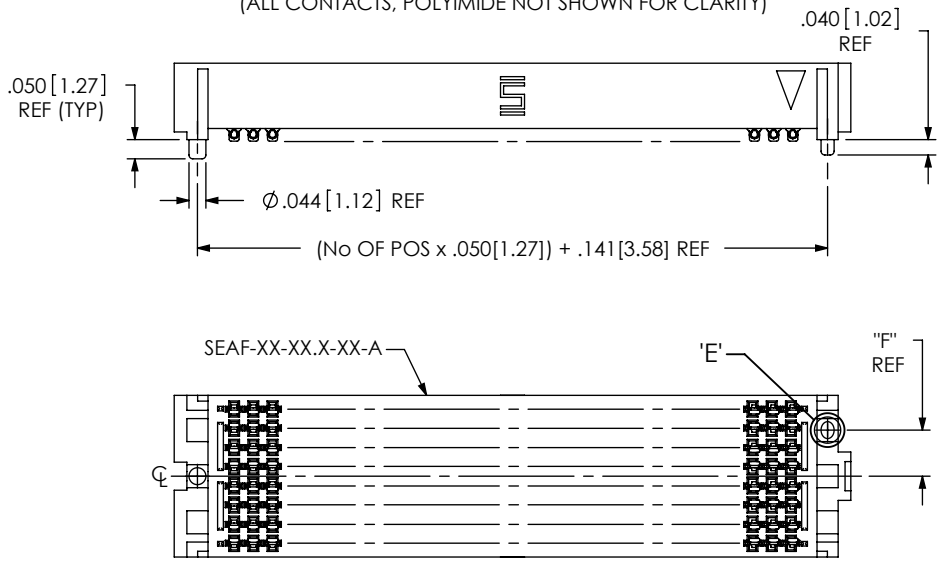


TABLE 6

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

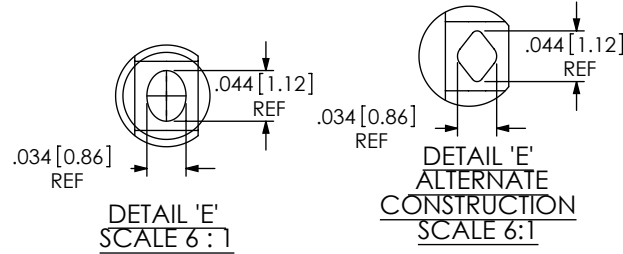


FIG 4
-K: POLYIMIDE PAD
(SEAF-30-05.0-XX-08-1-A-XX-K-TR SHOWN)
(SAME AS FIG 1, EXCEPT AS SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
(HAND PLACE USE K-850-650)

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

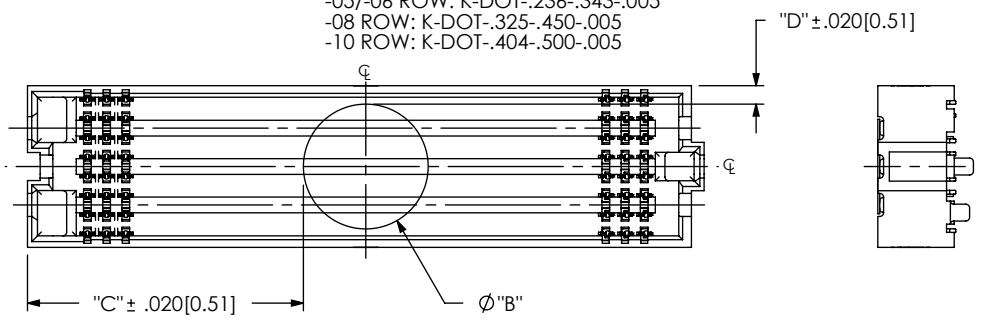


TABLE 3

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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SHEET SCALE: 2:1



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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-A-XX-K-TR
BY: BRATCHER 05/27/2004 SHEET 2 OF 6

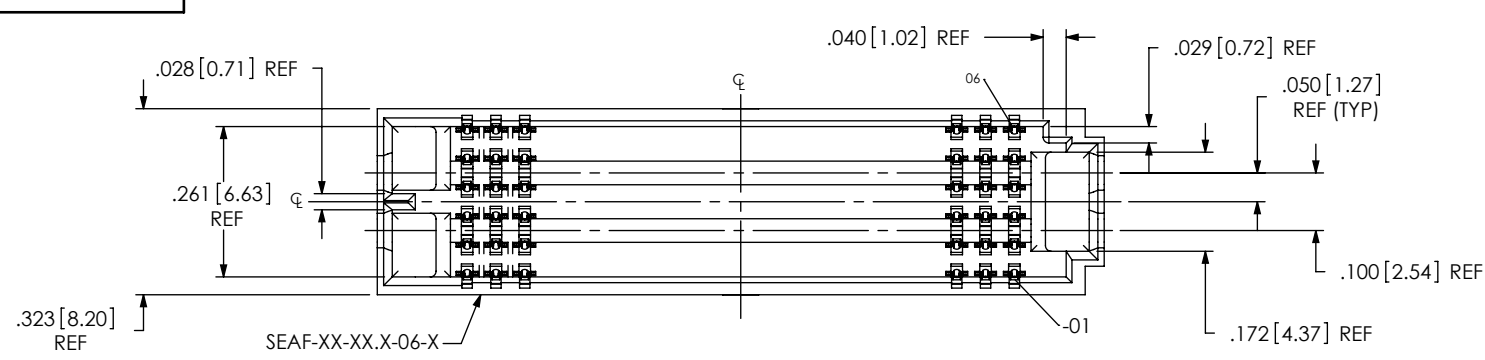


FIG 5
-06: 6 ROW
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-06-1-A-XX-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)

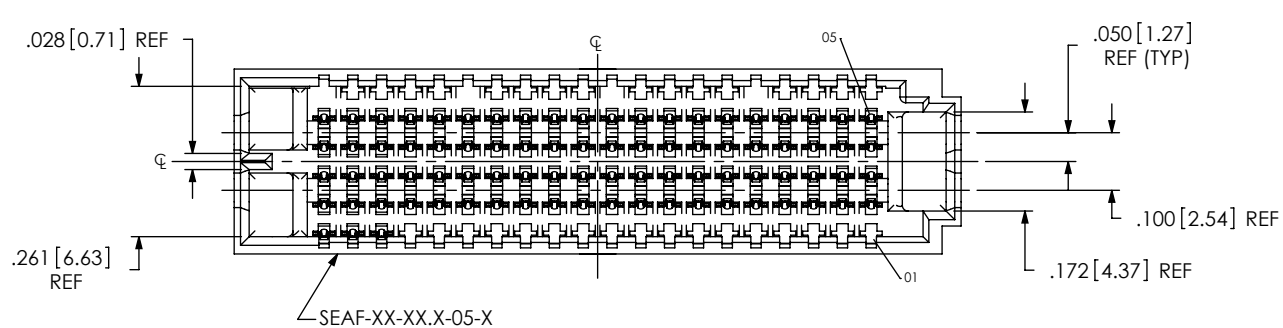
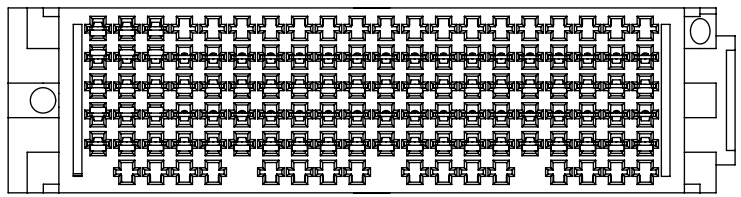
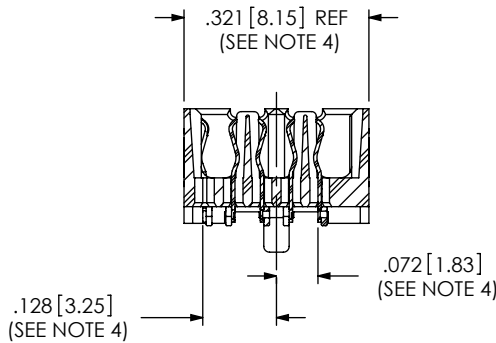
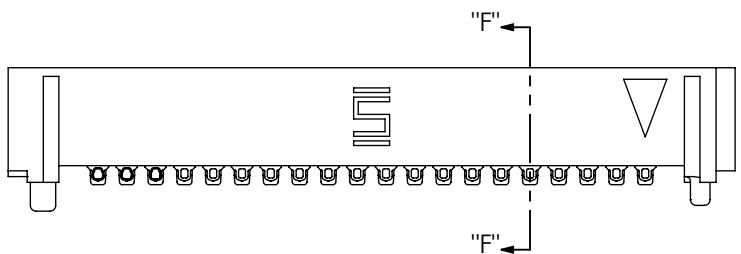


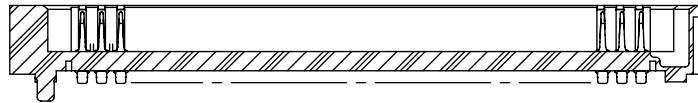
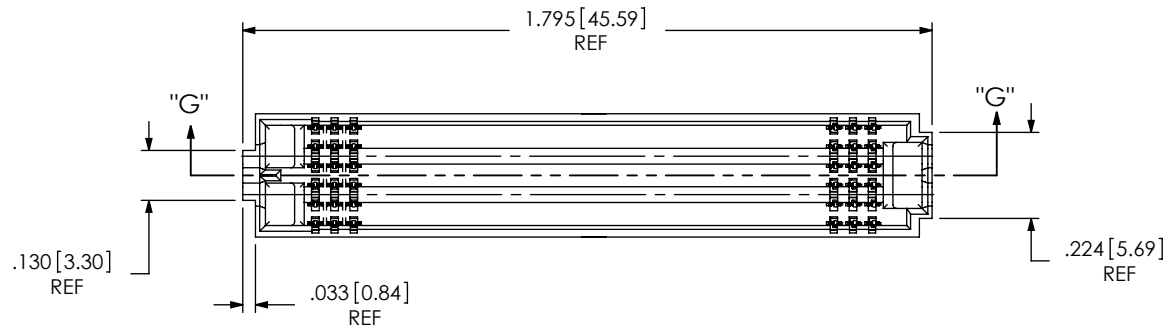
FIG 6
-05: 5 ROW
(SAME AS FIG. 5, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-05-1-A-XX-K-TR SHOWN)
(POLYIMIDE NOT SHOWN FOR CLARITY)



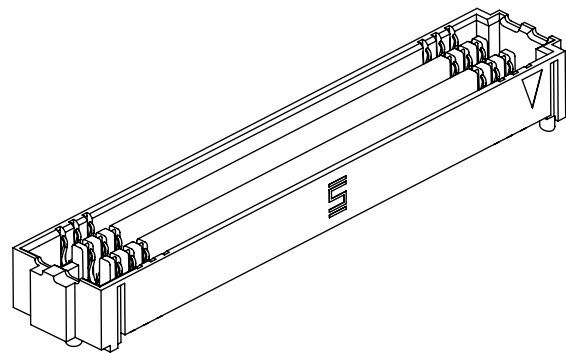
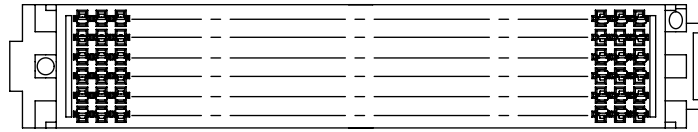
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	<p>DESCRIPTION: .050 PITCH SOCKET ARRAY ASSEMBLY</p>	
	<p>DWG. NO. SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR</p>	
<p>BY: BRATCHER 05/27/2004</p>		<p>SHEET 3 OF 6</p>

FIG7
**-N: NOTCH OPTION
(SAME AS FIG 3, EXCEPT AS SHOWN)
(SEAF-30-05.0-XX-06-1-A-N-K-TR SHOWN)
(-05.0 LEAD STYLE ONLY)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
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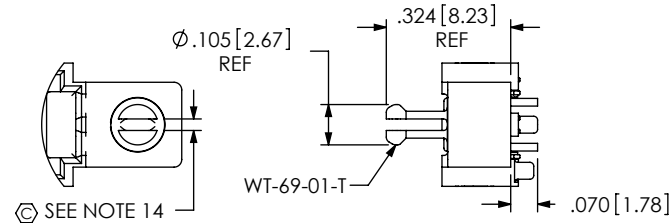
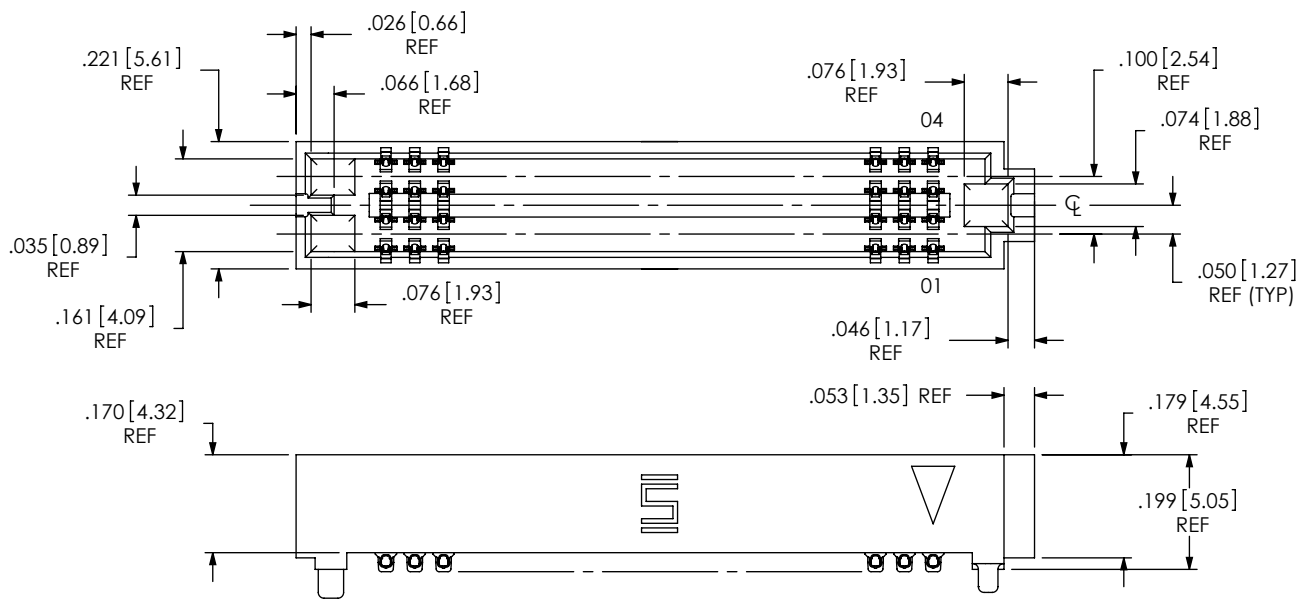
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	DESCRIPTION: .050 PITCH SOCKET ARRAY ASSEMBLY	
	DWG. NO. SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR	
	BY: BRATCHER 05/27/2004	SHEET 4 OF 6

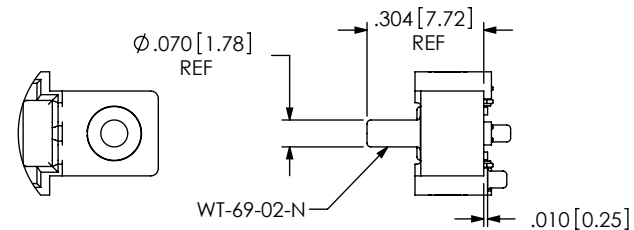
-04: 4 ROW

(SEAF-20-05.0-XX-04-1-A-XX-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
(SAME AS FIG1 EXCEPT AS SHOWN)



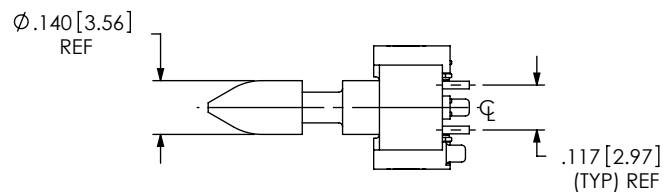
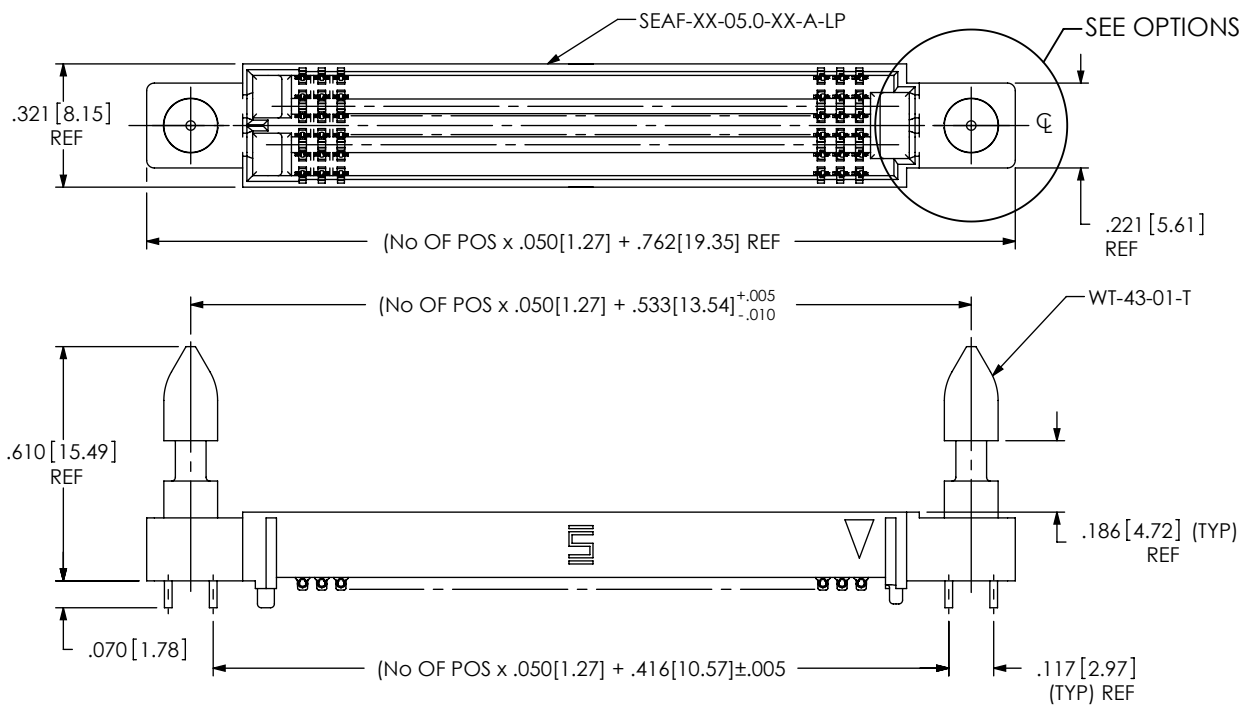
- RP OPTION

(SEAF-30-05.0-XX-06-1-A-RP-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
(SAME AS FIG 13 EXCEPT AS SHOWN)
(-PP OPTION VALID FOR SEAR MATE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)



-PP OPTION

(SEAF-30-05.0-XX-06-1-A-PP-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
(SAME AS FIG 13 EXCEPT AS SHOWN)
(-PP OPTION VALID FOR SEAR MAKE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)



-LP OPTION

(SEAF-30-05.0-XX-06-1-A-LP-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
(SAME AS FIG. 12 EXCEPT AS SHOWN)
(-LP OPTION REQUIRED FOR SEAC MATE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE 4, 6, 8 & 10 ROW)

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.050 PITCH SOCKET ARRAY ASSEMBLY

SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 05/27/2004	SHEET 5 OF 6
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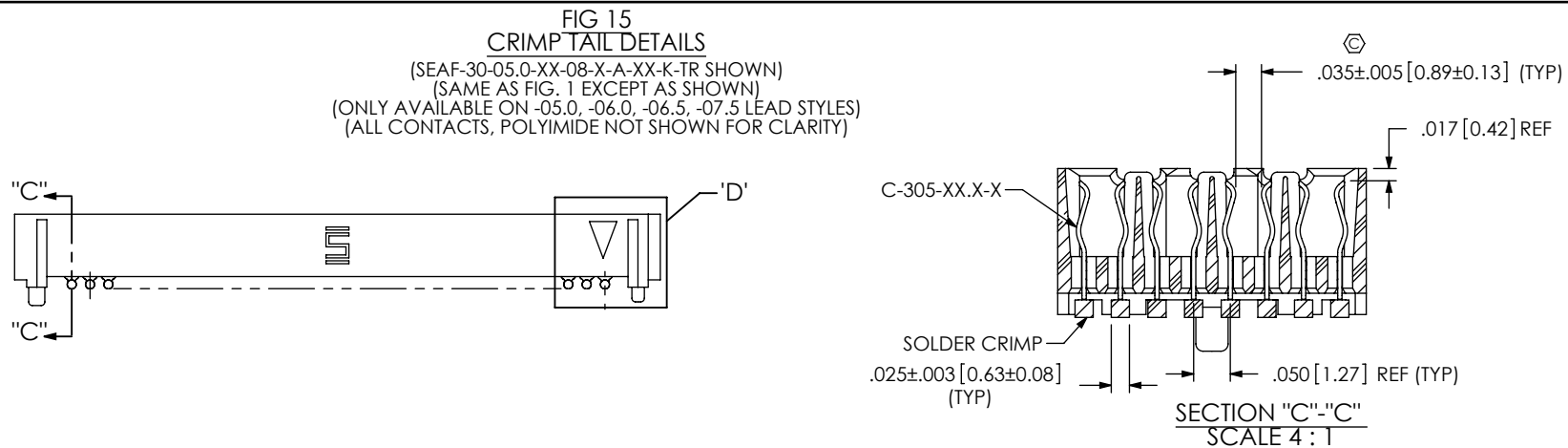
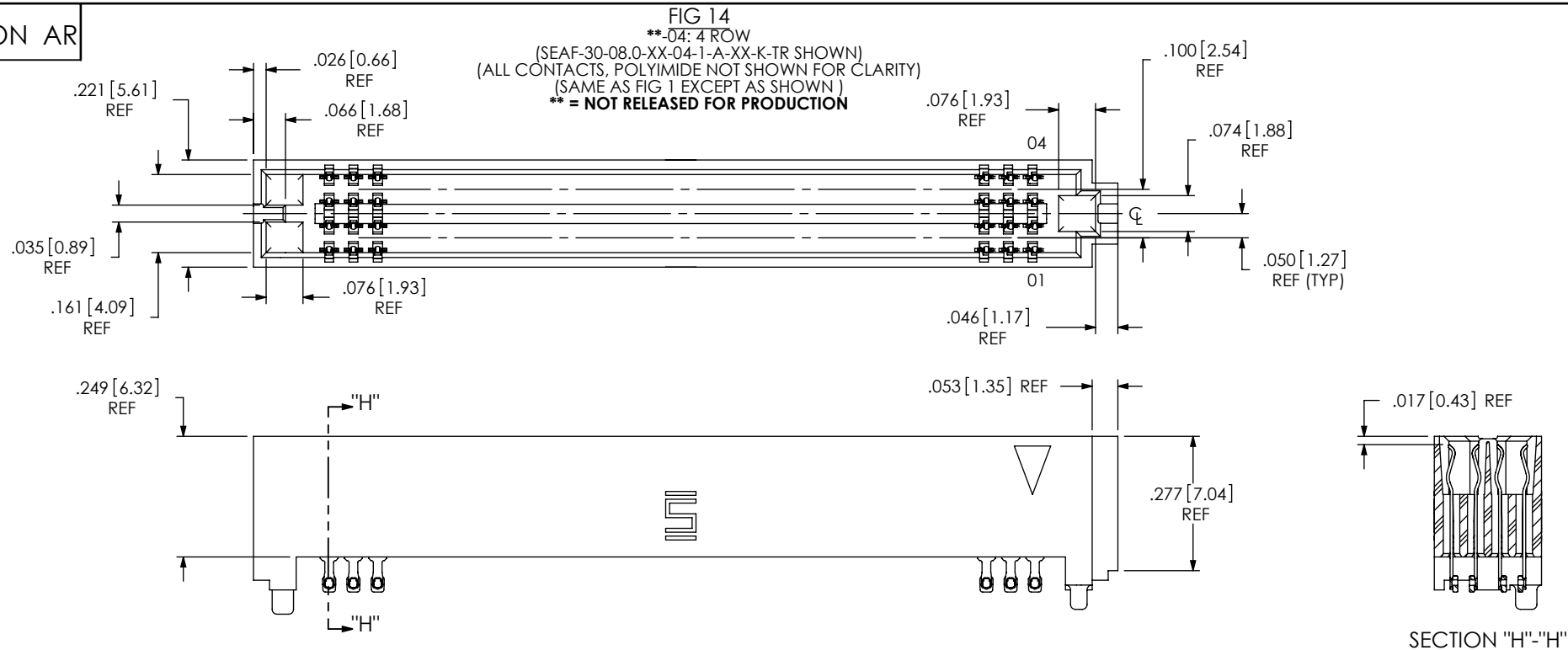
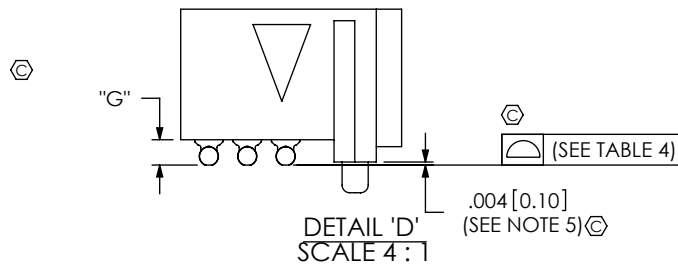


TABLE 7	
LEAD STYLE	"G"
-05.0	.0330[0.838]
-06.0	.0720[1.829]
-06.5	.0920[2.337]



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DWG. NO. SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR	
BY: BRATCHER 05/27/2004	SHEET 6 OF 6