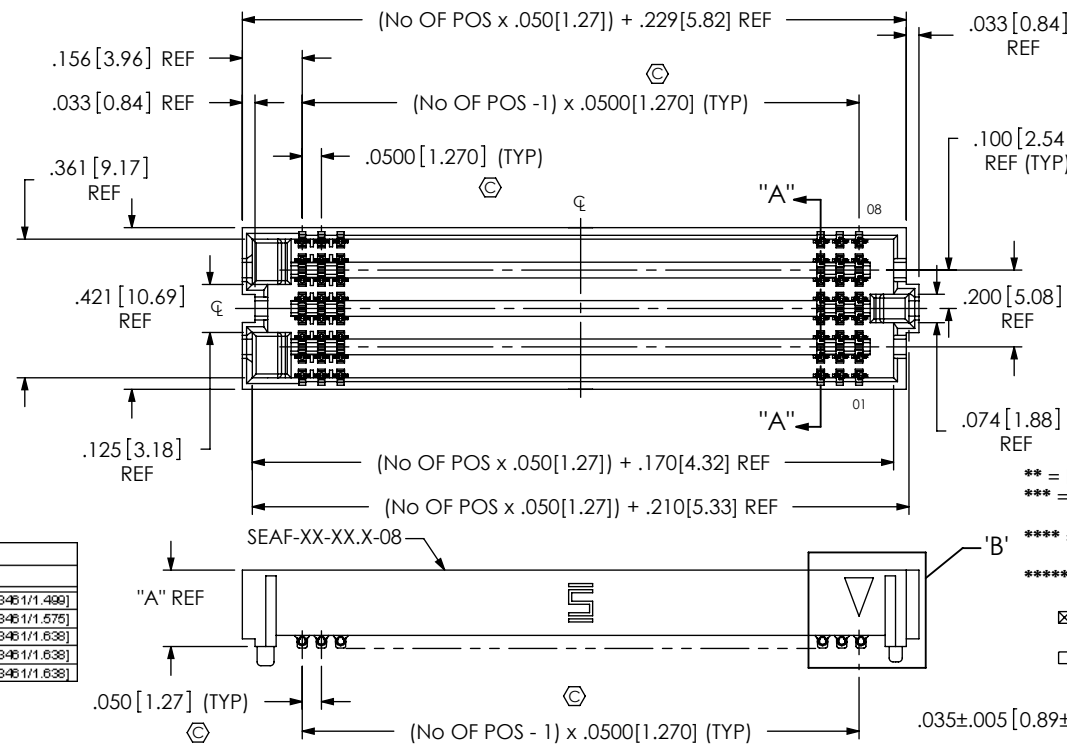


FIG. 1
-08: 8 ROW
(SEAF-30-05.0-XX-08-1-A-XX-K-TR SHOWN)
(ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)



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
☐-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.
☒= ONLY AVAILABLE WITH -05.0 AND -06.5 LEAD STYLE AND -04 ROW
☐= 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 [AR]
-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)

TABLE 8

LEAD STYLE	"J"
-05.0	.0530/.0590 [1.348/1/1.499]
-06.0	.0530/.0620 [1.348/1/1.575]
-06.5	.0530/.0645 [1.348/1/1.638]
-07.5	.0530/.0645 [1.348/1/1.638]
**-.08.0	.0530/.0690 [1.348/1/1.838]

* = NOT TOOLED

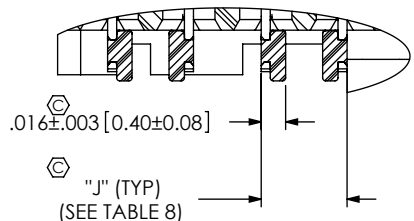
TABLE 2
STACK HEIGHT

SEAF LEAD STYLE	SEAM LEAD STYLE							
STYLE	-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

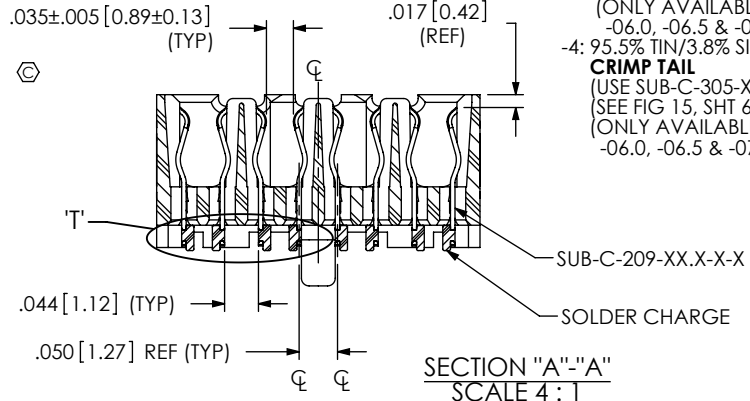
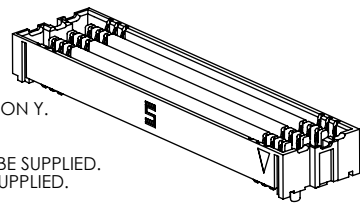
TABLE 1

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:
- ⊙ REPRESENTS A CRITICAL DIMENSION.
 - MINIMUM PUSHOUT FORCE: .75 LBS.
 - NOTE DELETED.
 - 5 ROW SOLDER TAILS ARE NOT SYMMETRICAL WITH BODY WIDTH (DIM .321 [8.15]); SEE FIG. 6, SHEET 3).
 - INSPECT DIMENSION AT 4 CORNERS OF PART.
 - WITHOUT -A AVAILABLE FOR EXISTING CUSTOMERS ONLY AS OF REVISION Y.
 - POLYIMIDE PAD WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
 - TAPE & REEL WILL BE SUPPLIED WHETHER OR NOT -TR IS SPECIFIED.
 - FOR QUANTITIES UP TO 49 PIECES, NO LEADER, TRAILER, OR REEL WILL BE SUPPLIED.
FOR QUANTITIES OF 50 - 124 PIECES, NO LEADER OR TRAILER WILL BE SUPPLIED.
 - ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
 - SEE RECOMMENDED FOOTPRINT DRAWING FOR STENCIL REQUIREMENTS.
 - SOLDER CHARGE VOLUME IS .891 x 10⁻³ IN³ REF.
 - FOR VITA REQUIREMENTS, -A PIN SHOULD NOT BE ORDERED.
 - SLOT ORIENTATION MUST BE AS SHOWN.



DETAIL 'T'
SCALE 8 : 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: 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

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)

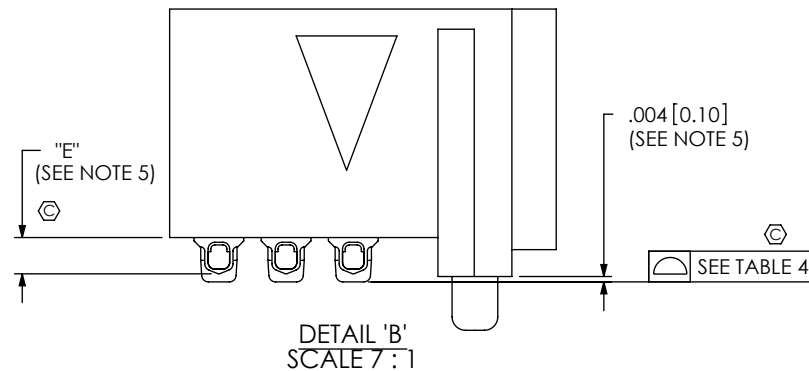
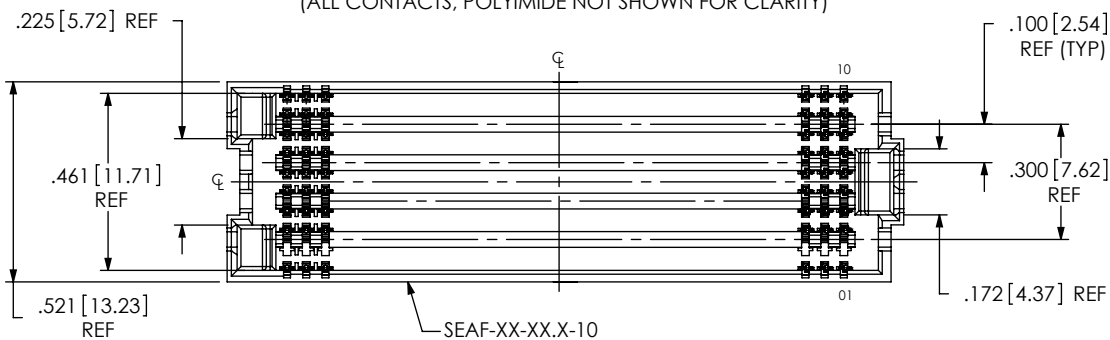


TABLE 4

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	.0860[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)

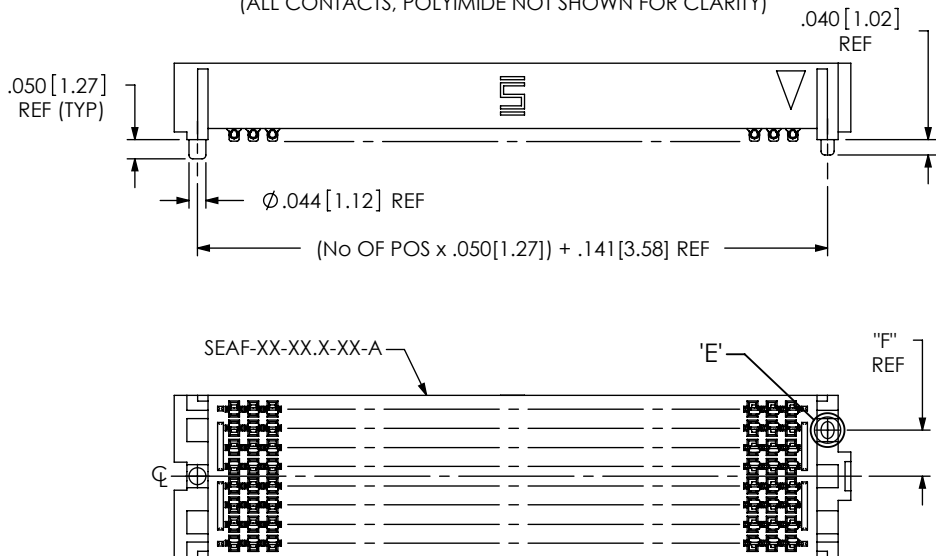


TABLE 6

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

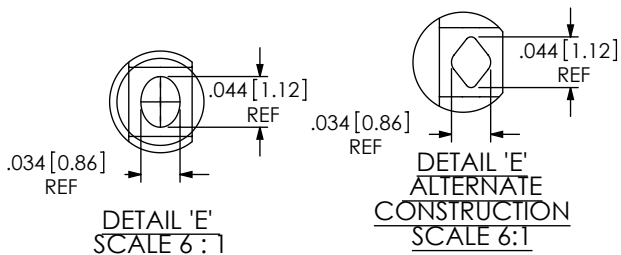


FIG 4
 -K: POLYIMIDE PAD
 (SEAF-30-05.0-XX-08-1-A-XX-K-TR SHOWN)
 (SAME AS FIG 1, EXCEPT AS SHOWN)
 (ALL CONTACTS NOT SHOWN FOR CLARITY)
 (HAND PLACE USE K-850-650)

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

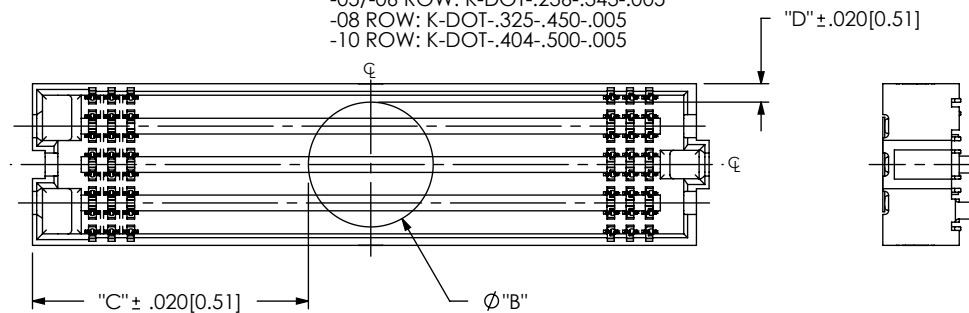


TABLE 3

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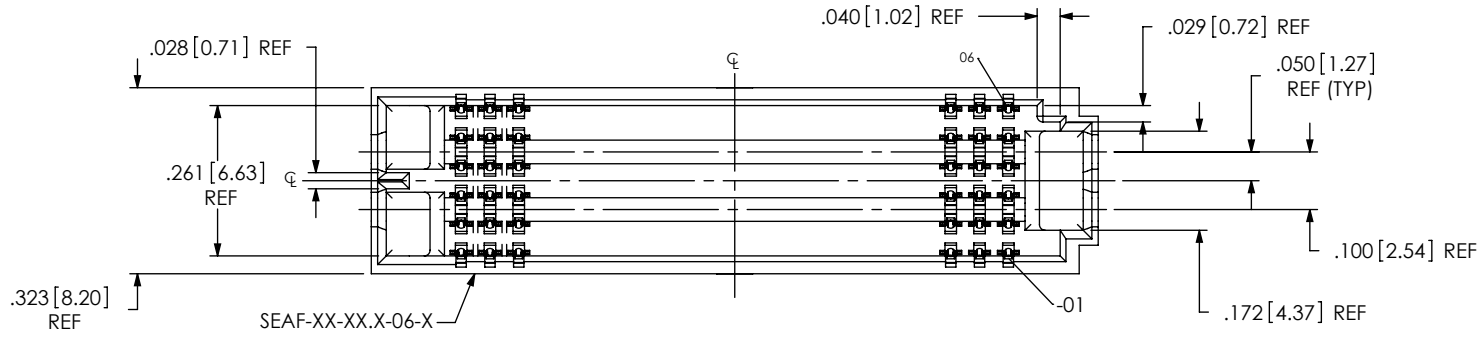


FIG 5
 -06: 6 ROW
 (SAME AS FIG. 1, EXCEPT AS SHOWN)
 (SEAF-20-05.0-XX-06-1-A-XX-K-TR SHOWN)
 (ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)

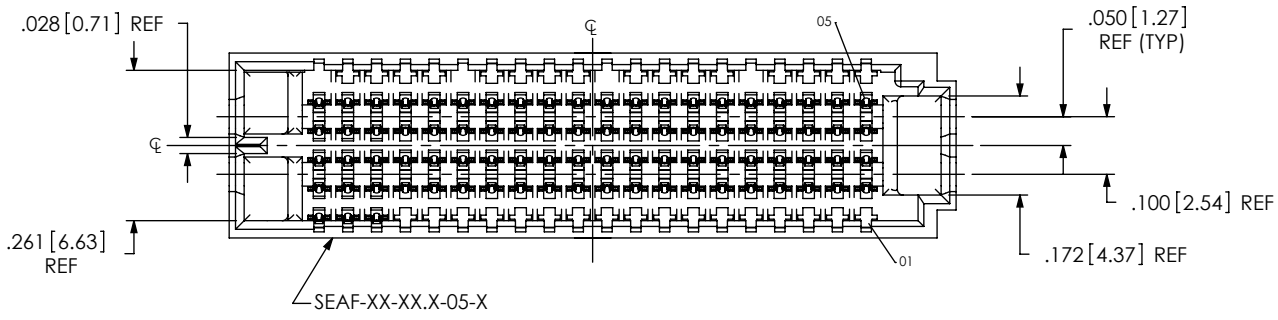
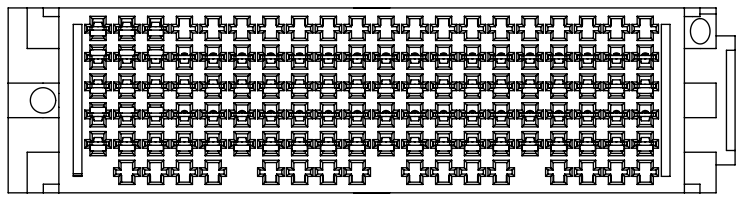
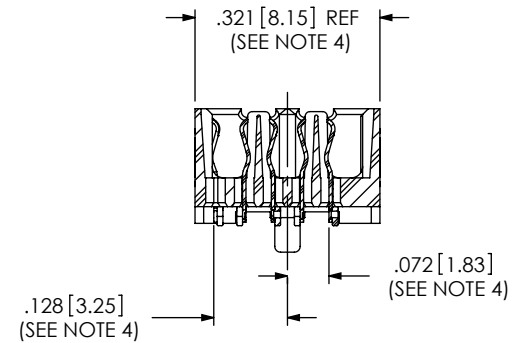
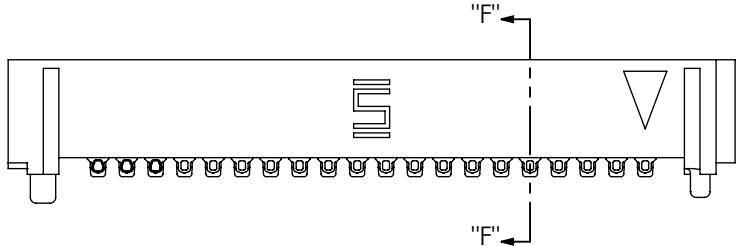


FIG 6
 -05: 5 ROW
 (SAME AS FIG. 5, EXCEPT AS SHOWN)
 (SEAF-20-05.0-XX-05-1-A-XX-K-TR SHOWN)
 (POLYIMIDE NOT SHOWN FOR CLARITY)



SECTION "F"-"F"

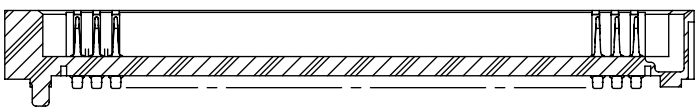
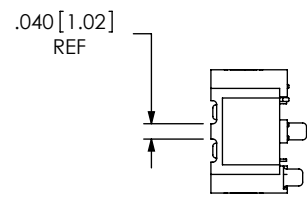
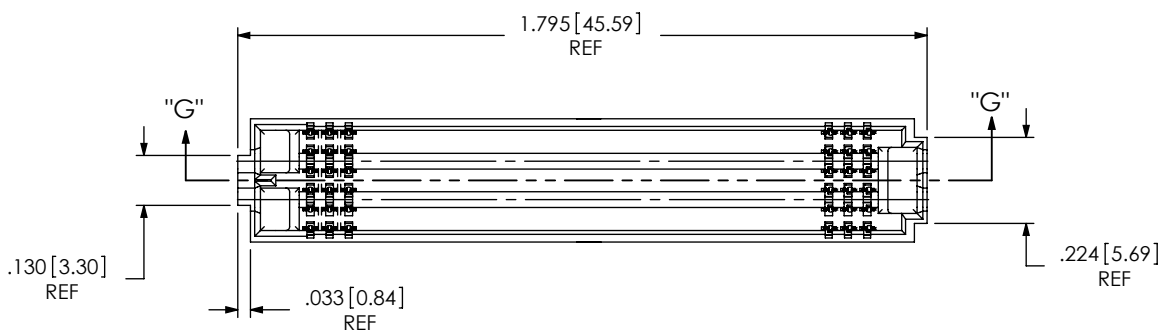
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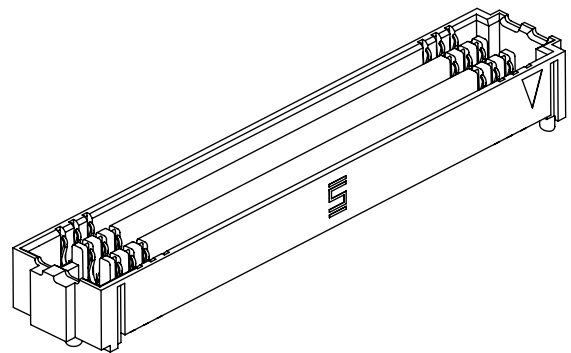
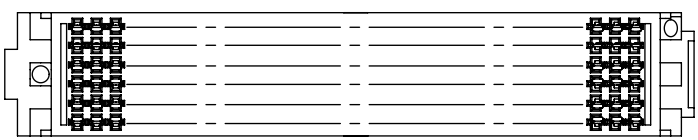
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DESCRIPTION: .050 PITCH SOCKET ARRAY ASSEMBLY
DWG. NO. SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR
BY: BRATCHER 05/27/2004
SHEET 3 OF 6

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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SECTION "G"-"G"



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DWG. NO.
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FIG 12
 -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)

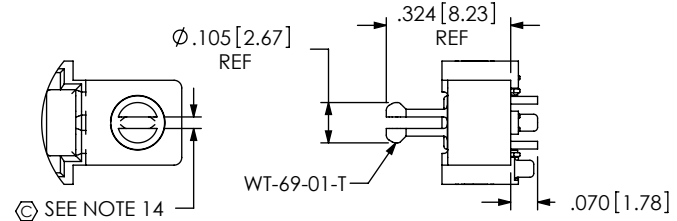
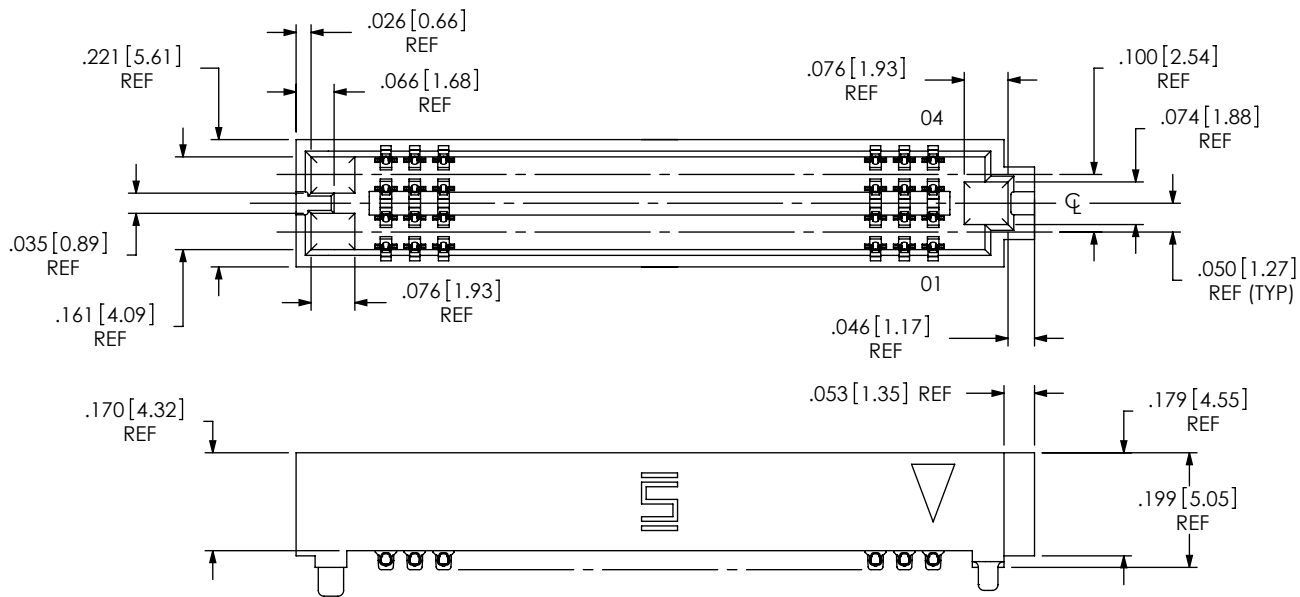


FIG 16
 -RP OPTION
 (SEAF-30-05.0-XX-06-1-A-RP-K-TR SHOWN)
 (ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
 (SAME AS FIG 13 EXCEPT AS SHOWN)
 (-PP OPTION VALID FOR SEAR MATE ONLY)
 (ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)

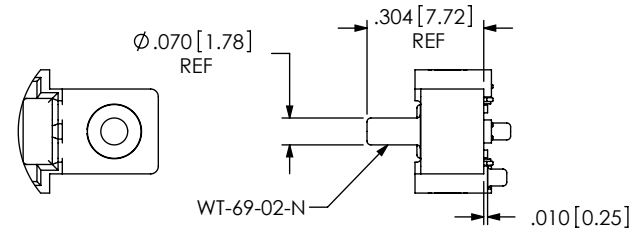


FIG 17
 -PP OPTION
 (SEAF-30-05.0-XX-06-1-A-PP-K-TR SHOWN)
 (ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
 (SAME AS FIG 13 EXCEPT AS SHOWN)
 (-PP OPTION VALID FOR SEAR MATE ONLY)
 (ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)

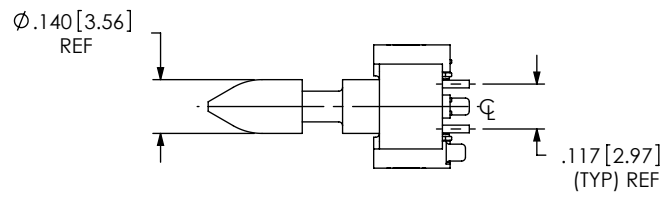
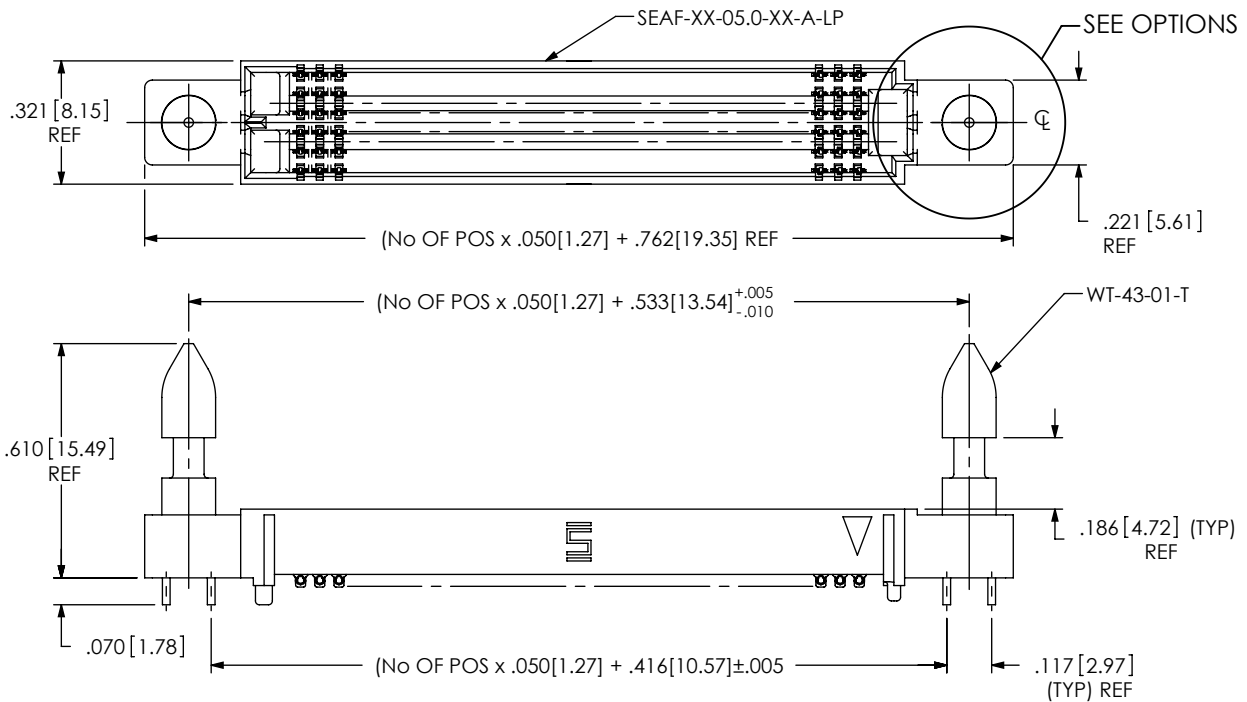


FIG 13
 -LP OPTION
 (SEAF-30-05.0-XX-06-1-A-LP-K-TR SHOWN)
 (ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
 (SAME AS FIG.12 EXCEPT AS SHOWN)
 (-LP OPTION REQUIRED FOR SEAC MATE ONLY)
 (ONLY AVAILABLE WITH -05.0 LEAD STYLE 4, 6, 8 & 10 ROW)

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FIG 14

**04: 4 ROW
 (SEAF-30-08.0-XX-04-1-A-XX-K-TR SHOWN)
 (ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)
 (SAME AS FIG 1 EXCEPT AS SHOWN)
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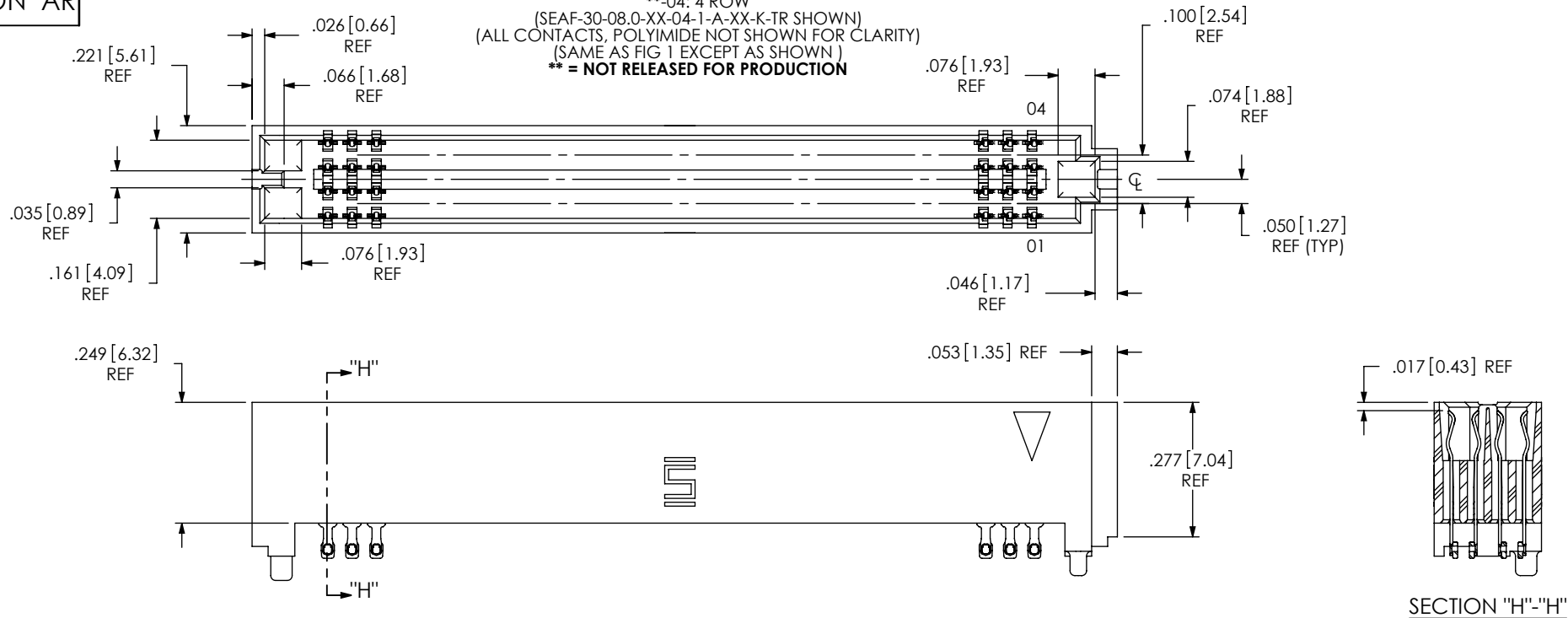
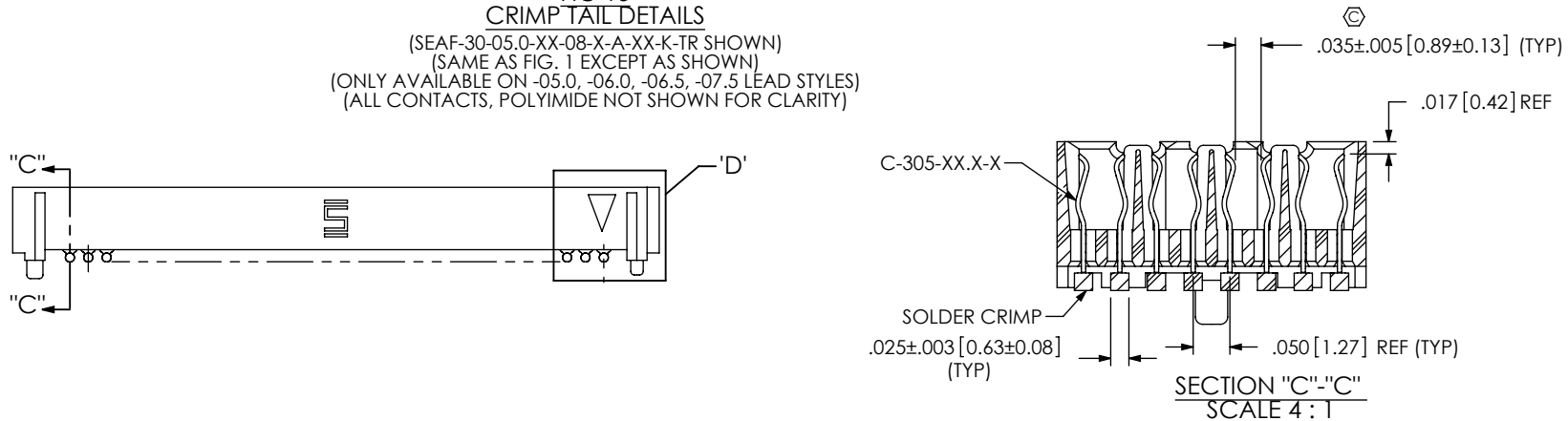
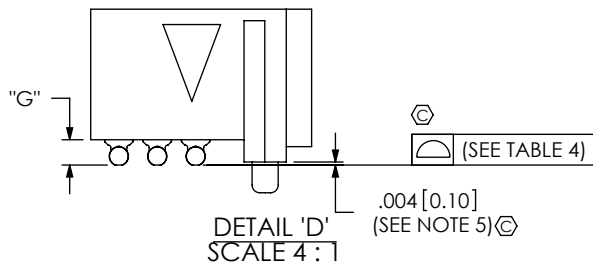


FIG 15
 CRIMP TAIL DETAILS

(SEAF-30-05.0-XX-08-X-A-XX-K-TR SHOWN)
 (SAME AS FIG. 1 EXCEPT AS SHOWN)
 (ONLY AVAILABLE ON -05.0, -06.0, -06.5, -07.5 LEAD STYLES)
 (ALL CONTACTS, POLYIMIDE NOT SHOWN FOR CLARITY)



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



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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 SHEET 6 OF 6</p>