

DO NOT SCALE FROM THIS PRINT

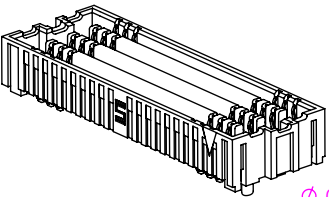
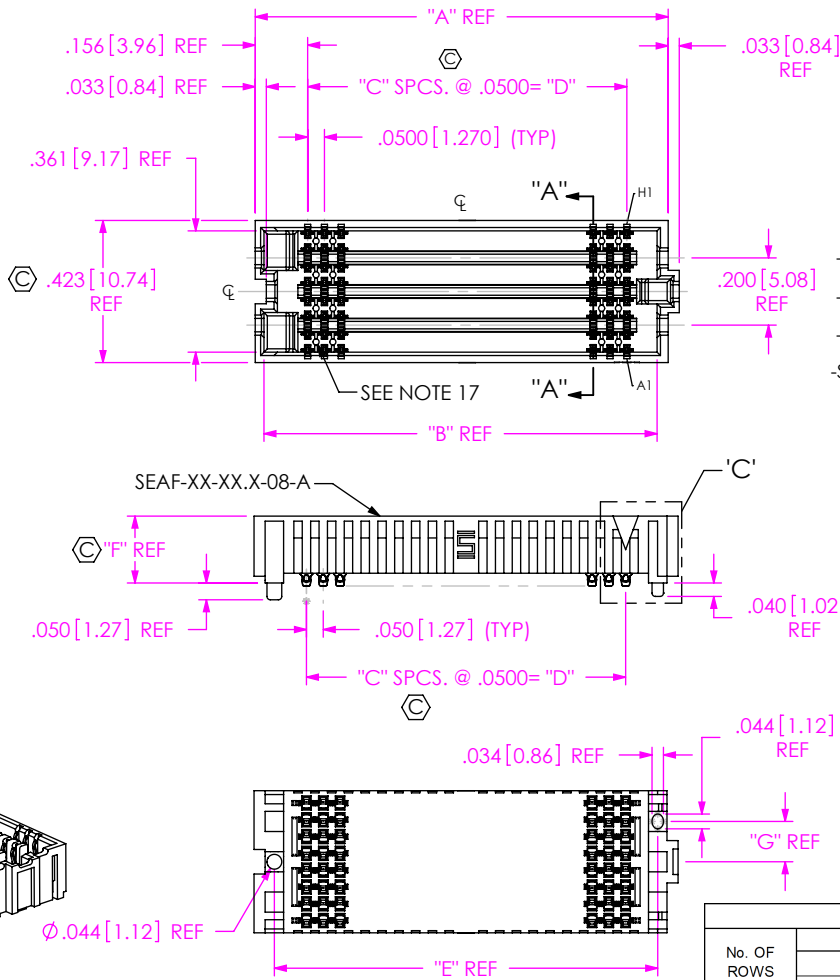


FIG 1 -08: 8 ROW (SEAF-20-05.0-XX-08-1-A-XX-K-TR SHOWN) (SOME CENTER FEATURES REMOVED FOR CLARITY)

No. OF POSITIONS

- 10, -15, -19, -20
-25, -30, -40, -50 (PER ROW)

LEAD STYLE

- 05.0: .199[5.05] HEIGHT
-06.0: .238[6.05] HEIGHT
-06.5: .258[6.55] HEIGHT
-07.5: .297[7.54] HEIGHT (SEE TABLE 1)

PLATING SPECIFICATION

- S: SELECTIVE GOLD (30u" IN CONTACT AREA, MATTE TIN ON TAIL (USE NEW-SUB-C-209-XX.X-S-X)
-L: LIGHT GOLD (10u" IN CONTACT AREA, MATTE TIN ON TAIL (USE NEW-SUB-C-209-XX.X-L-X)
-SM: SELECTIVE GOLD (30u" IN CONTACT AREA, MATTE TIN ON TAIL (USE NEW-SUB-C-209-XX.X-S-X)
-STL: SELECTIVE GOLD (30u" IN CONTACT AREA, MATTE TIN/LEAD ON TAIL (USE NEW-SUB-C-209-XX.X-STL-X)

ROWS

- 04: 4 ROWS (SEE SHT 5, FIG 11)
-05: 5 ROWS (SEE SHT 3, FIG 5) (SEE NOTE 18)
-06: 6 ROWS (SEE SHT 3, FIG 4)
-08: 8 ROWS (SEE SHT 1, FIG 1)
-10: 10 ROWS (SEE SHT 2, FIG 2)
-14: 14 ROWS (SEE SHT 5, FIG 12)

- * = NOT TOOLED.
□ = 10 POSITION ONLY AVAILABLE IN 4 ROW.
⊗ = ONLY AVAILABLE WITH -05.0 BODY HEIGHT, -10 ROW. AVAILABLE IN -04 ROW -05.0 LEAD STYLE
△ = ONLY AVAILABLE WITH -05.0, -06.5 & -07.5 BODY HEIGHT AND 4 ROW. TOOLED IN -07.5 (NOT ENGINEERING APPROVED)
** = ONLY AVAILABLE WITH -06.5 BODY HEIGHT, AND -06 ROW.
**** = ONLY AVAILABLE WITH -05.0 BODY HEIGHT, -04, -06, -08 & -10 ROW.
***** = NOT RELEASED FOR PRODUCTION.
■ = 14 ROW ONLY AVAILABLE IN -06.5 LEAD STYLE AND -40 POS.

TAPE & REEL

K-DOT (SEE SHT 2, FIG 3)

OPTION

- ****-LP: LATCH POST OPTION (SEE SHT 4, FIG 8) (ONLY AVAILABLE WITH -05.0 LEAD STYLE, -04, -06, -08 & -10 ROW) (-K OPTION NOT AVAILABLE ON -10 OR -15 POSITION)
****-RP: RETENTION PIN (SEE SHT 4, FIG 9) (ONLY AVAILABLE WITH -05.0 LEAD STYLE, 6, 8 & 10 ROWS)
-PP: POLARIZATION PIN (SEE SHT 4, FIG 10) (ONLY AVAILABLE WITH -05.0 LEAD STYLE, 6, 8 & 10 ROWS)

ALIGNMENT PINS (SEE NOTES 6 & 14)

SOLDER COMPOSITION & STYLE

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

TABLE 2: Table with 2 columns: No Of ROWS, "G"

TABLE 1: Table with columns: No. Of ROWS, LEAD STYLE (-05.0, -06.0, -06.5, -07.5)

TABLE 3: Table with columns: No Of POS., "A", "B", "C", "D", "E"

TABLE 4: Table with columns: LEAD STYLE, BODY CALLOUT, CONTACT (SOLDER CHARGE TAIL)

TABLE 5: Table with columns: SEAF LEAD STYLE, SEAM LEAD STYLE (-02.0, -03.0, -03.5, -06.5, -07.0, -09.0, -11.0, -13.0)

NOTES:

- 1. C REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: 0.50 LBS.
3. NOTE DELETED.
4. 5 ROW SOLDER TAILS ARE NOT SYMMETRICAL WITH BODY WIDTH - DIM .321 [8.15]. (SEE SHEET 3, FIG. 5).
5. WHEN APPLICABLE, DIMENSION C12 MUST BE MEASURED USING INSPECTION FIXTURE AT-1817-836-1 FOR -04 ROW, OR AT-1817-836-2 FOR -06, -08 & -10 ROW. USE CO-AU-WI-2003-M FOR PROCESS.
6. WITHOUT -A, AVAILABLE FOR EXISTING CUSTOMERS ONLY AS OF REVISION Y.
7. NOTE DELETED.
8. NOTE DELETED.
9. 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. SPLICES MAY BE PRESENT.
10. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
11. SOLDER CHARGE VOLUME IS .00000891 CUBIC INCHES (REF).
12. NOTE DELETED.
13. SLOT ORIENTATION MUST BE AS SHOWN.
14. A-PINS STANDARD ON ALL BODIES, EXCEPT 6 x 19. SEE SHEET 1, FIG. 1
15. A-PINS ARE OPTIONAL ON 6 x 19, SEE SHEET 4, FIG. 7
16. MEASURED FIRST & LAST POSITIONS ONLY, ALL ROWS.
17. NOTE DELETED.
18. NON-FUNCTIONAL VOIDING IN PLASTIC BODY TO BE AT SAMTEC'S DISCRETION.
19. THESE OPTIONS AVAILABLE AS ASO (APPLICATION SPECIFIC OPTIONS) ONLY. PLEASE CONTACT SAMTEC FOR MORE INFORMATION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE: DECIMALS ANGLES .XX: ±.01[0.3] .XXX: ±.005[0.13] .XXXX: ±.0020[0.051] 2 °

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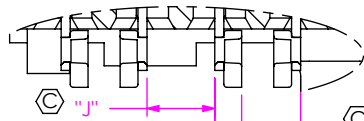
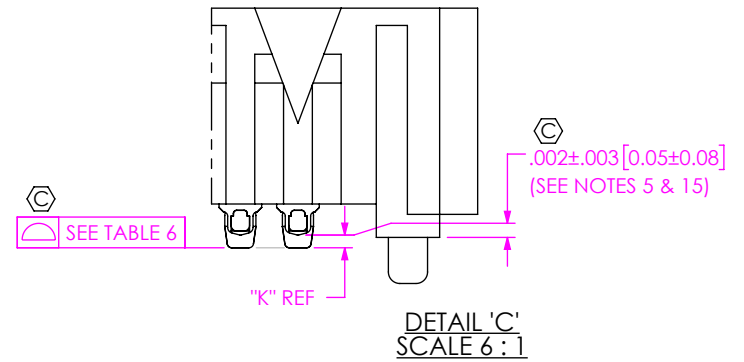
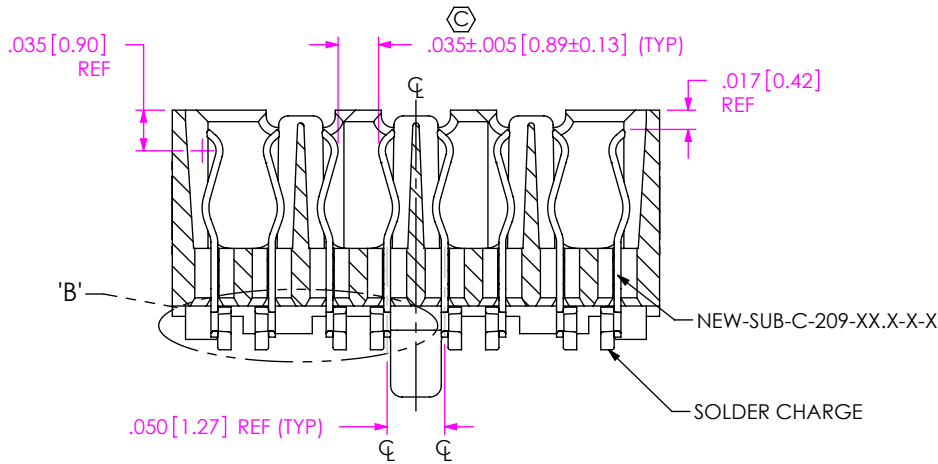
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SHEET SCALE: 2:1

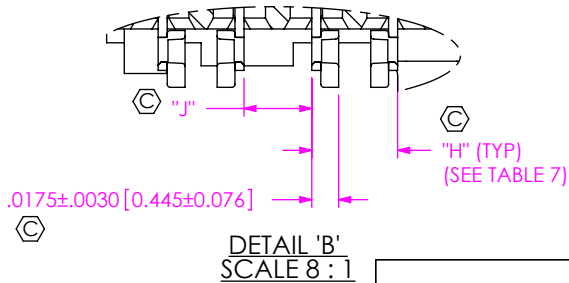
DESCRIPTION: .050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO. SEAF-XX-XX.X-XX-XX-X-A-XX-K-TR

BY: BRATCHER 05/27/2004 SHEET 1 OF 5



SECTION "A"- "A"
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DETAIL 'B'
SCALE 8 : 1

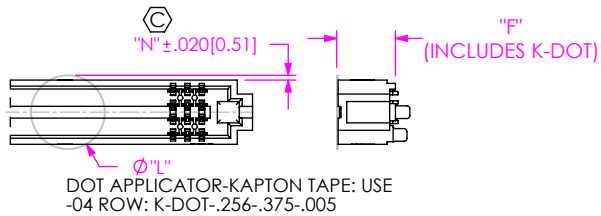
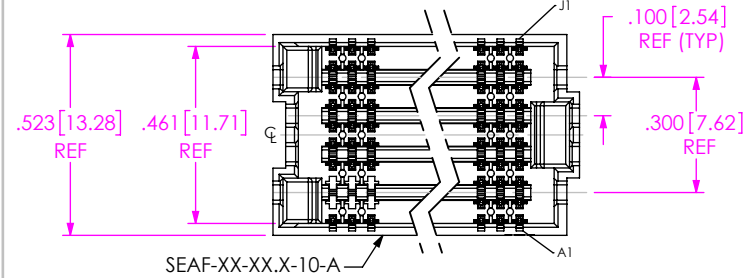
TABLE 6

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

TABLE 7

LEAD STYLE	"H"	"J"	"K"
-05.0	.0530 - .0590 [1.346] - [1.499]	.0410 - .0470 [1.041] - [1.194]	.011 [0.28]
-06.0	.0530 - .0620 [1.346] - [1.575]	.0380 - .0470 [.965] - [1.194]	.011 [0.28]
-06.5	.0530 - .0645 [1.346] - [1.638]	.0355 - .0470 [.902] - [1.194]	.011 [0.28]
-07.5	.0530 - .0645 [1.346] - [1.638]	.0355 - .0470 [.902] - [1.194]	.011 [0.28]

FIG 2
-10: 10 ROW
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SEAF-20-05.0-XX-10-1-A-XX-K-TR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

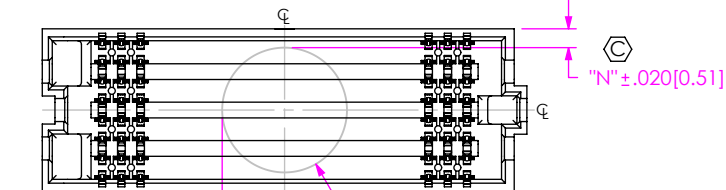


DOT APPLICATOR-KAPTON TAPE: USE
-04 ROW: K-DOT-.256-.375-.005

-04 ROW ONLY
(SAME AS FIG 3, EXCEPT AS SHOWN)

TABLE 8

ROWS	"L"	"M"										"N"
		□10 POS	⊠15 POS	**19 POS	20 POS	△25 POS	30 POS	40 POS	50 POS	50 POS		
-04	.256 [6.50]	.254 [6.44]	.379 [9.62]	.479 [12.16]	.504 [12.79]	.629 [15.97]	.754 [19.14]	1.004 [25.49]	1.254 [31.84]	1.254 [31.84]	.017 [.43]	
-05, -06	.256 [6.50]	.254 [6.44]	.379 [9.62]	.479 [12.16]	.504 [12.79]	.629 [15.97]	.754 [19.14]	1.004 [25.49]	1.254 [31.84]	1.254 [31.84]	.034 [.86]	
-08	.325 [8.25]	.219 [5.57]	.344 [8.74]	.444 [11.28]	.469 [11.92]	.594 [15.09]	.719 [18.27]	.969 [24.62]	1.219 [30.97]	1.219 [30.97]	.049 [1.24]	
-10	.404 [10.25]	.180 [4.57]	.305 [7.74]	.405 [10.28]	.430 [10.92]	.555 [14.09]	.680 [17.27]	.930 [23.62]	1.180 [29.97]	1.180 [29.97]	.060 [1.52]	
-14	.404 [10.25]	N/A	N/A	N/A	N/A	N/A	N/A	.930 [23.62]	N/A	N/A	.160 [4.05]	



DOT APPLICATOR-KAPTON TAPE: USE
-05/-06 ROW: K-DOT-.256-.375-.005
-08 ROW: K-DOT-.325-.450-.005
-10 ROW: K-DOT-.404-.500-.005
-14 ROW: K-DOT-.404-.500-.005

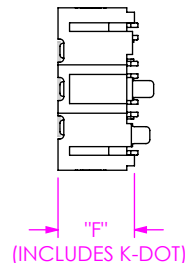


FIG 3
-K: POLYIMIDE PAD
(SEAF-20-05.0-XX-08-1-A-XX-K-TR SHOWN)
(SAME AS FIG. 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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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 2 OF 5

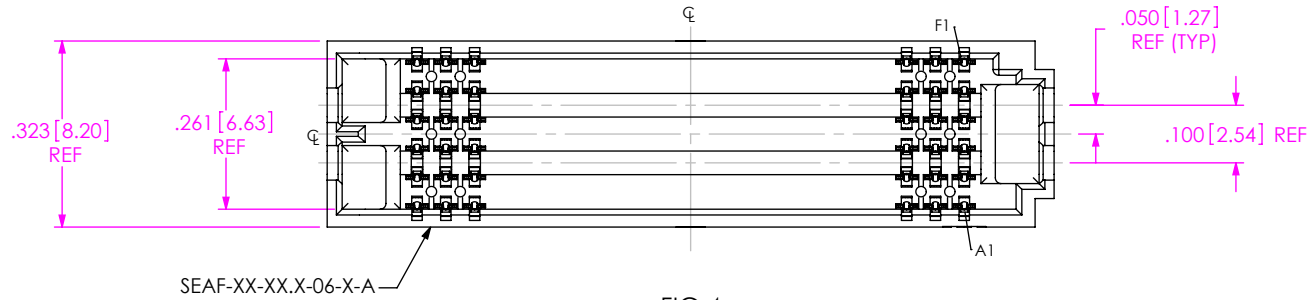
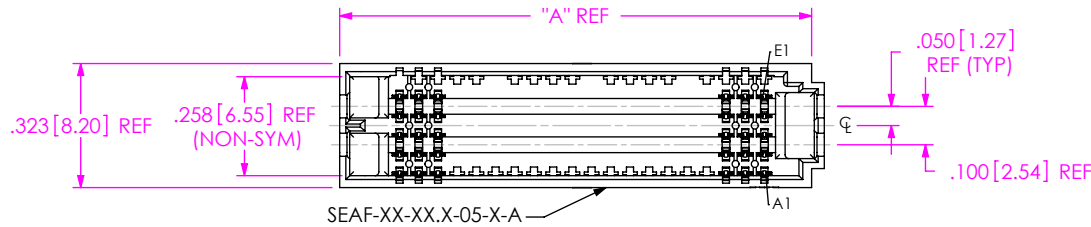


FIG 4
 -06: 6 ROW
 (SAME AS FIG 1, EXCEPT AS SHOWN)
 (SEAF-20-05.0-XX-06-1-A-XX-K-TR SHOWN)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)



SEAF-XX-XX.X-05-X-A

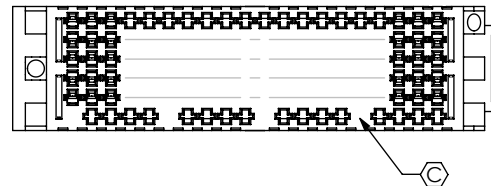
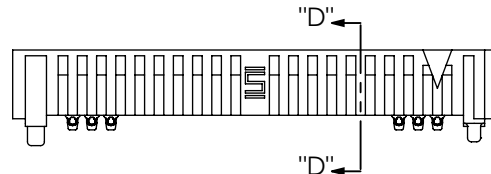
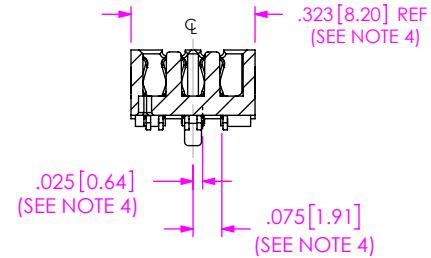


FIG 5
 -05: 5 ROW
 (SAME AS FIG 4, EXCEPT AS SHOWN)
 (SEAF-20-05.0-XX-05-1-A-XX-K-TR SHOWN)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)



SECTION "D"-"D"

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 .050 PITCH SOCKET ARRAY ASSEMBLY

DWG. NO.
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BY: BRATCHER 05/27/2004 SHEET 3 OF 5

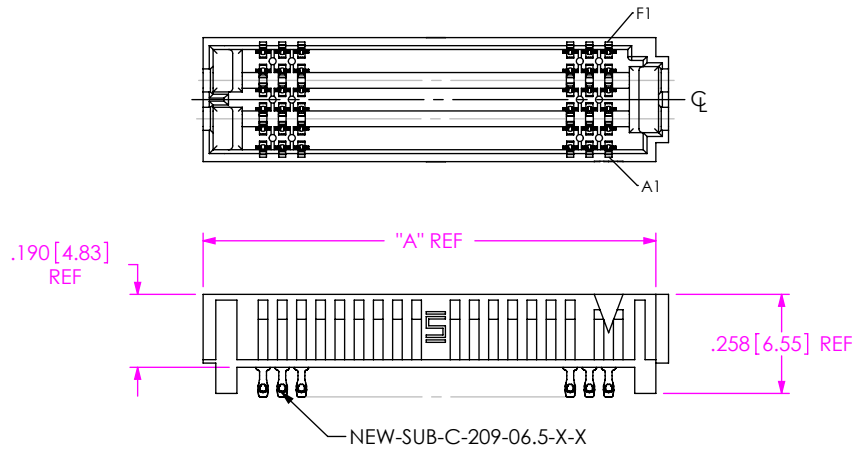


FIG 7
06 ROW x 19 POS
(ONLY AVAILABLE -06.5 LEADSTYLE & -06 ROW)
(SEAF-20-06.5-XX-06-1-XX-K-TR SHOWN)
(SAME AS FIGS 1 & 4 EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

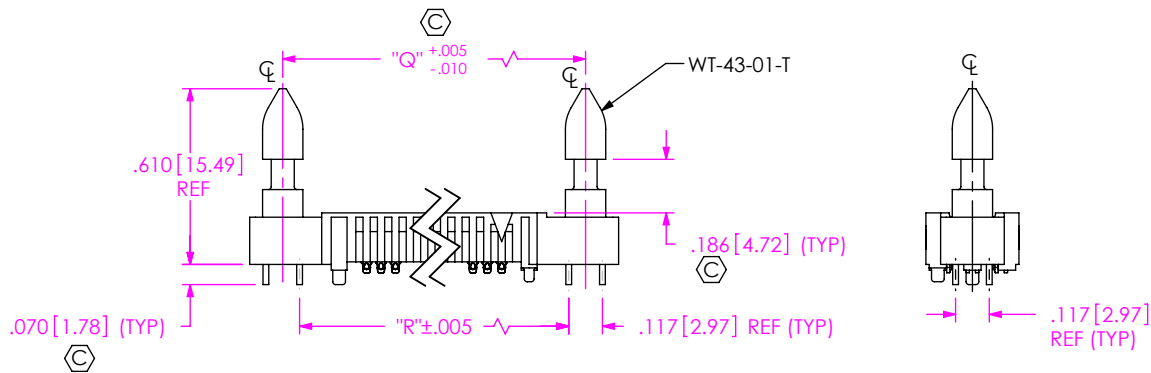
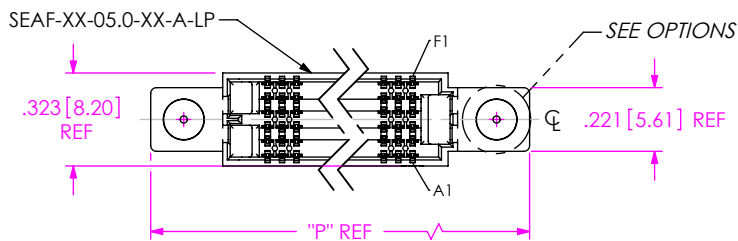


FIG 8
-LP OPTION
(SEAF-20-05.0-XX-06-1-A-LP-K-TR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 6 EXCEPT AS SHOWN)
(-LP OPTION REQUIRED FOR SEAC MATE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE -04, -06, -08 & -10 ROW)

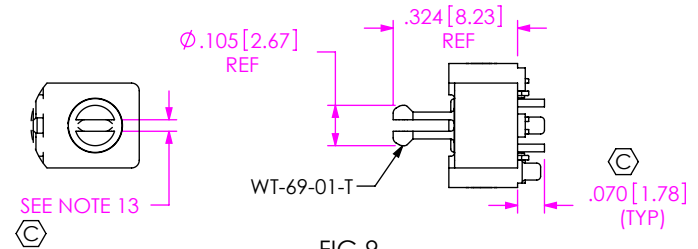


FIG 9
****-RP OPTION
(SEAF-20-05.0-XX-06-1-A-RP-K-TR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 7 EXCEPT AS SHOWN)
(-RP OPTION VALID FOR SEAR MATE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)

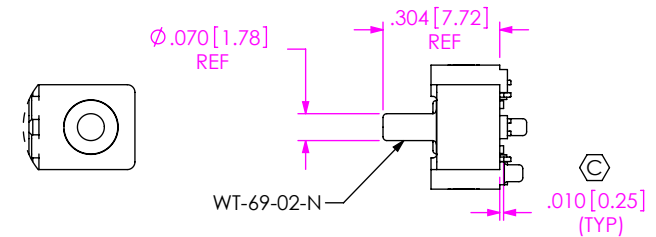


FIG 10
-PP OPTION
(SEAF-20-05.0-XX-06-1-A-PP-K-TR SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 8 EXCEPT AS SHOWN)
(-PP OPTION VALID FOR SEAR MATE ONLY)
(ONLY AVAILABLE WITH -05.0 LEAD STYLE 6, 8 & 10 ROW)

TABLE 9

No OF POS.	"P"	"Q"	"R"
□ -10	1.262 [32.05]	1.033 [26.24]	.9160 [23.266]
⊠ -15	1.512 [38.40]	1.283 [32.59]	1.1660 [29.616]
** -19	1.712 [43.48]	1.483 [37.67]	1.3660 [34.696]
-20	1.762 [44.75]	1.533 [38.94]	1.4160 [35.966]
△ -25	2.012 [51.10]	1.783 [45.29]	1.6660 [42.316]
-30	2.262 [57.45]	2.033 [51.64]	1.9160 [48.666]
-40	2.762 [70.15]	2.533 [64.34]	2.4160 [61.366]
-50	3.262 [82.85]	3.033 [77.04]	2.9160 [74.066]

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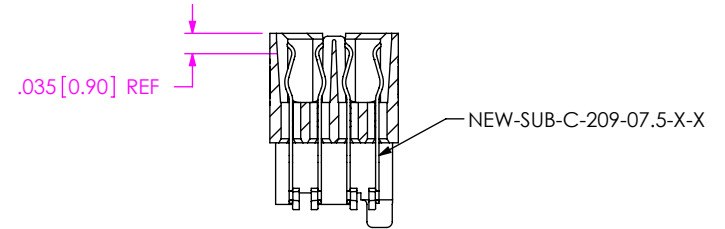
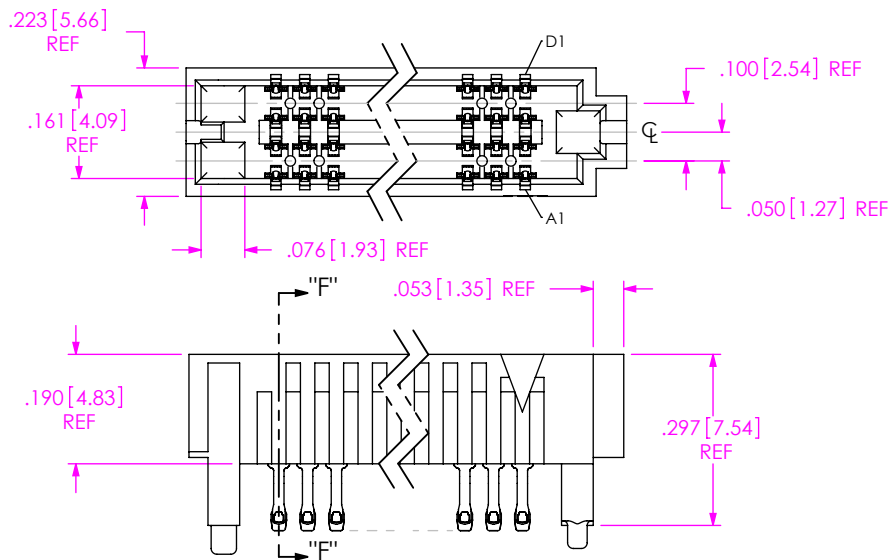


FIG 11
 -04: 4 ROW
 (SEAF-30-07.5-XX-04-1-A-XX-K-TR SHOWN)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (SAME AS FIG 1 EXCEPT AS SHOWN)

SECTION "F"- "F"

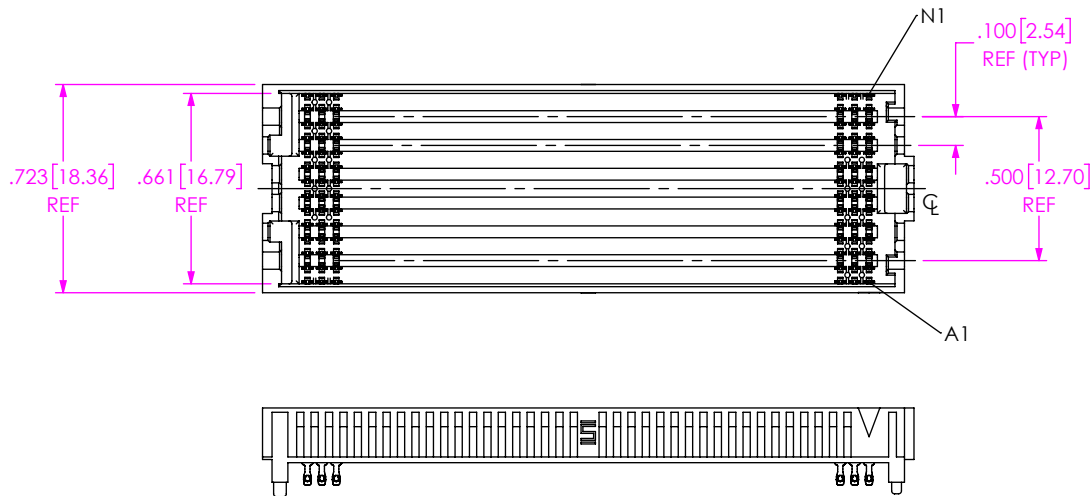


FIG 12
 -14: 14 ROW
 (SEAF-40-06.5-XX-14-1-A-XX-K-TR SHOWN)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (SAME AS FIG 1 EXCEPT AS SHOWN)

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