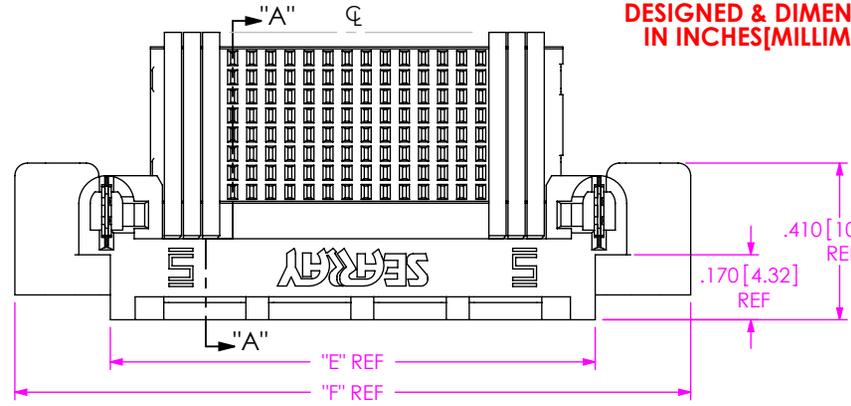


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN INCHES[MILLIMETERS]

SEAFP-XX-XX-X-XX-RA-XX-XX



No OF POSITIONS  
-20, -30, -40, -50 (PER ROW)

LEAD STYLE  
-01

PLATING SPECIFICATION  
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL (USE IM-C-375-XX-S)  
-L: 10µ" LIGHT GOLD IN CONTACT AREA, MATTE TIN TAIL (USE IM-C-375-XX-L)  
(\* = NOT TOOLED)

OPTION  
-GP: GUIDE POST HOLE

RETENTION OPTION  
-WT: WELD TAB (USE WT-77-XX-X)  
\*SD: SCREW DOWN (SEE FIG 6, SHT 5) (REQUIRED, MUST CHOOSE ONE)

RIGHT ANGLE  
-RA

No OF ROWS  
\*04: 4 ROW (SEE FIG 5, SHT 5)  
\*06: 6 ROW (SEE FIG 4, SHT 4)  
\*08: 8 ROW (SEE FIG 1)  
\*10: 10 ROW (SEE FIG 3, SHT 4)

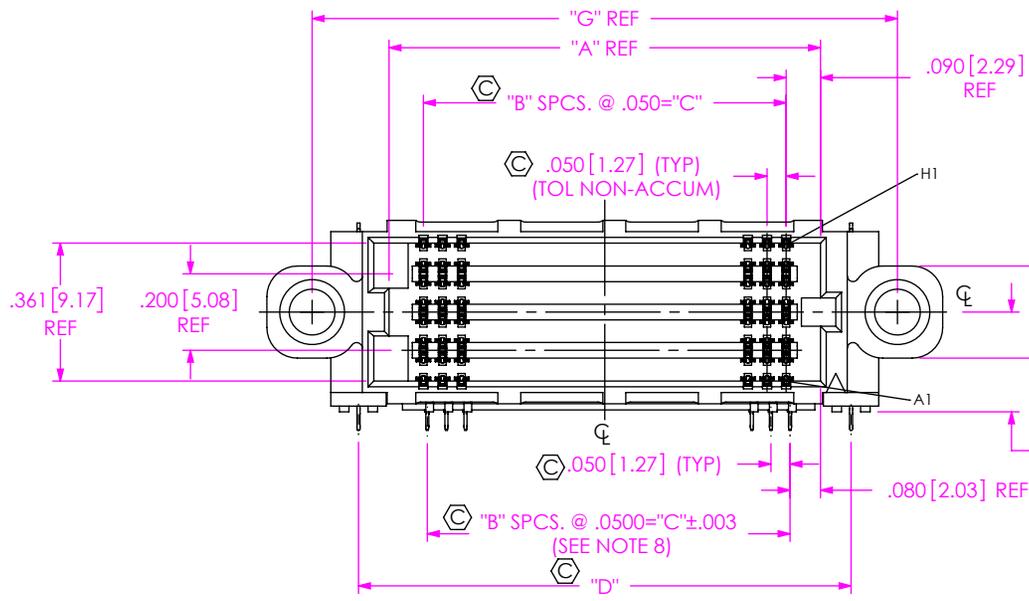


TABLE 1

No. OF ROWS	BODY CALLOUT	SOCKET WAFER	ALIGNMENT BODY	WELD TAB	"L"
*04	SEAFP-XX-01-RA-04-XX-XX	IM-C-375-04-X	SEAFP-XX-RA-04	WT-77-04-X	.552 [14.02]
*06	SEAFP-XX-01-RA-06-XX-XX	IM-C-375-06-X	SEAFP-XX-RA-06	WT-77-06-X	.652 [16.56]
*08	SEAFP-XX-01-RA-08-XX-XX	IM-C-375-08-X	SEAFP-XX-RA-08	WT-77-08-X	.752 [19.10]
*10	SEAFP-XX-01-RA-10-XX-XX	IM-C-375-10-X	SEAFP-XX-RA-10	WT-77-10-X	.852 [21.64]

(\* = NOT TOOLED)

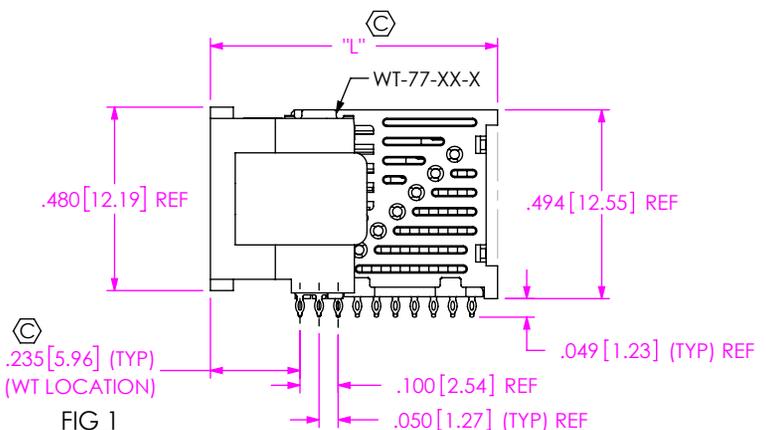
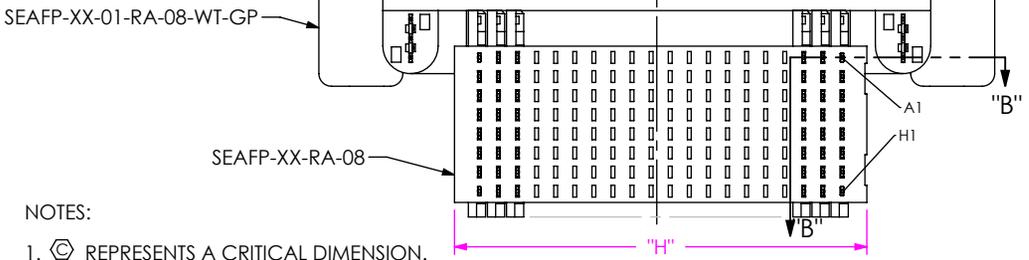


FIG 1  
-08: 8 ROW  
SEAFP-20-01-X-08-RA-WT-GP SHOWN (SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 2

No. OF POS	"A"	"B"	"C"	"D"	"E"	"H"
-20	1.130 [28.70]	19	.950 [24.13]	1.290 [32.77]	1.270 [32.26]	1.080 [27.43]
-30	1.630 [41.40]	29	1.450 [36.83]	1.790 [45.47]	1.770 [44.96]	1.580 [40.13]
-40	2.130 [54.10]	39	1.950 [49.53]	2.290 [58.17]	2.270 [57.66]	2.080 [52.83]
-50	2.630 [66.80]	49	2.450 [62.23]	2.790 [70.87]	2.770 [70.36]	2.580 [65.53]



- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
  - CONTACT SAMTEC FOR CONNECTOR PRESS FIT INSTRUCTIONS AND REQUIRED FIXTURES.
  - CONNECTOR BODY COLOR TO BE NATURAL(BEIGE).
  - MINIMUM PUSHOUT FORCE 0.5 LBS[2.22N] FOR CONTACTS.
  - ASSEMBLIES TO BE PACKAGED IN TRAYS.
  - SCREWS FOR -SD OPTION WILL BE BULK PACKAGED AND SHIPPED WITH CONNECTOR, MAXIMUM TORQUE ON STS-03 TO BE 20 IN-OZ.
  - APPLICATION TOOLING P/N CAT-SEAFP-XX-XX-RA REQUIRED FOR TERMINATION, CONTACT IPG FOR FURTHER DETAILS.
  - CHECK DIM ON FIRST AND LAST ROW OF TAILS.
  - WELD TABS CAN BE INSERTED WITH BUMP FACING EITHER DIRECTION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

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

ANGLES 2°

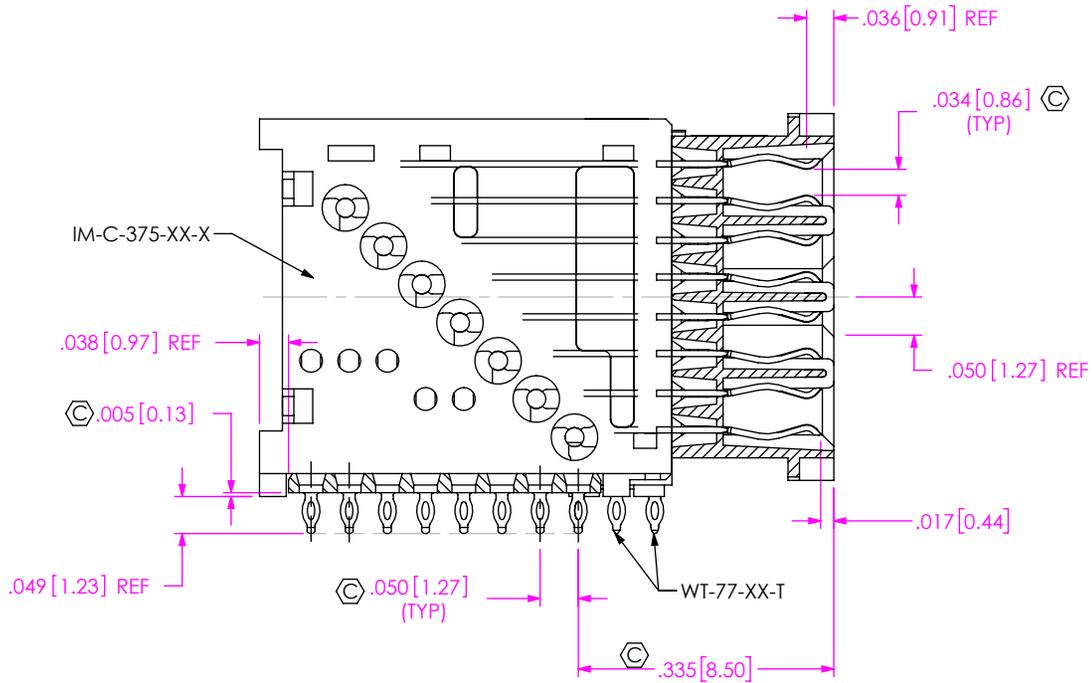
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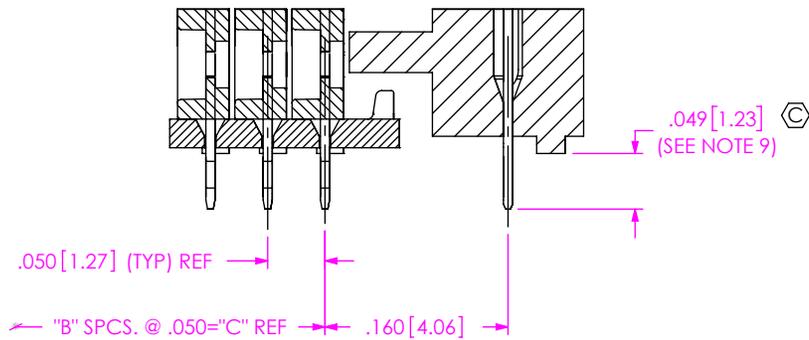
520 PARK EAST BLVD., NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: LCP, COLOR: NATURAL (BEIGE)  
CONTACT: COPPER ALLOY  
WELD TAB: COPPER ALLOY

DESCRIPTION: SEAFP-RA ASSEMBLY  
DWG. NO. SEAFP-XX-XX-X-XX-RA-XX-XX  
BY: VICKY Z 07/03/2011 SHEET 1 OF 5



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



SECTION "B"- "B"  
SCALE 6 : 1

STYLE	No. OF POS	"F"	"G"
STANDARD WITH -GP OPTION	-20	1.770 [44.96]	1.533 [38.94]
	-30	2.270 [57.66]	2.033 [51.64]
	-40	2.770 [70.36]	2.533 [64.34]
WITHOUT -GP OPTION	-20	1.435 [36.45]	N/A
	-30	1.935 [49.15]	
	-40	2.435 [61.85]	
	-50	2.935 [74.55]	

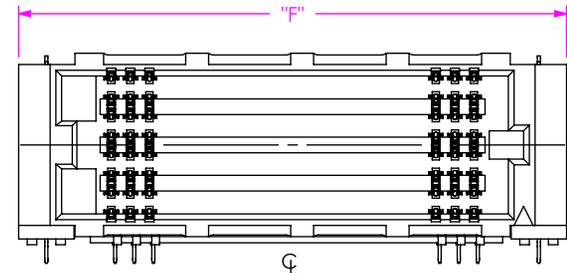
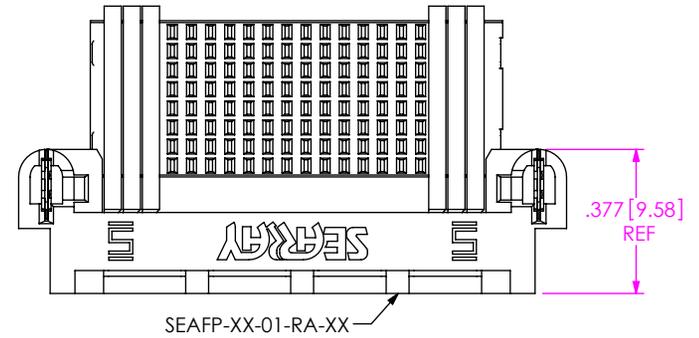


FIG 2  
WITHOUT -GP OPTION  
SEAFP-20-01-X-08-RA-WT SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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SHEET SCALE: 2:1



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DESCRIPTION: SEAFP-RA ASSEMBLY

DWG. NO. SEAFP-XX-XX-X-XX-RA-XX-XX

BY: VICKY Z 07/03/2011 SHEET 2 OF 5

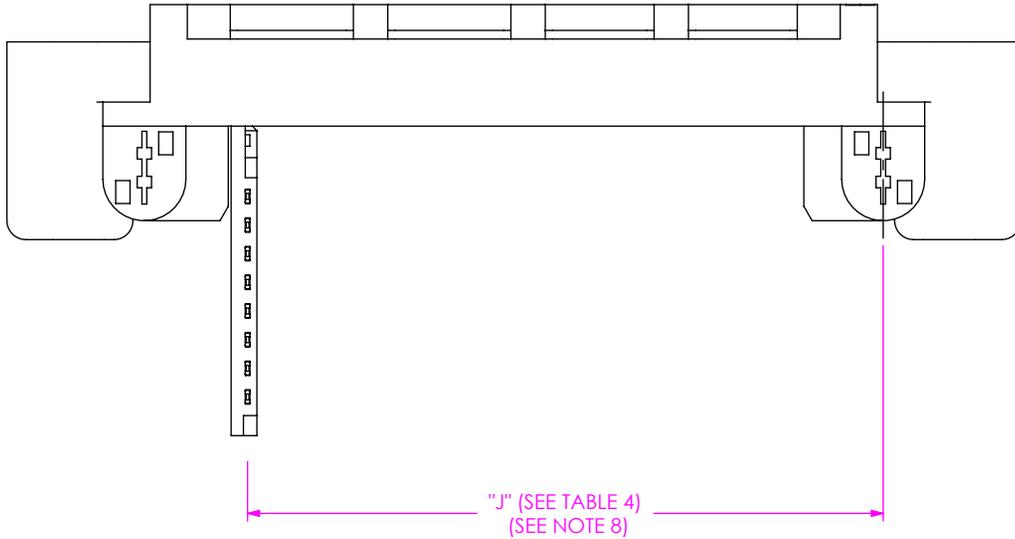
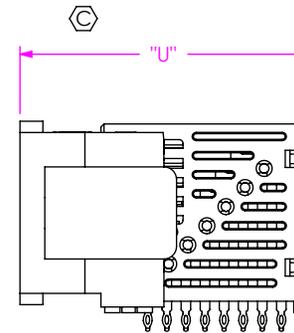
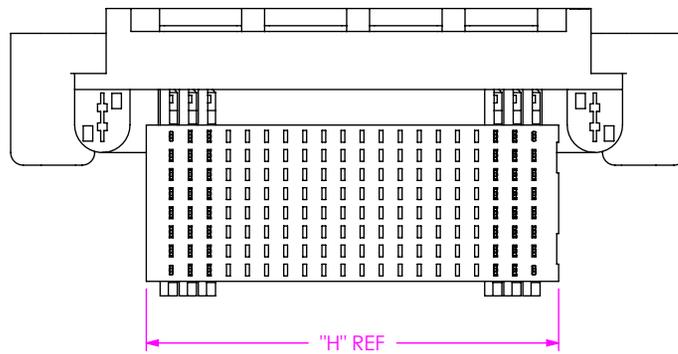


TABLE 4	
No. OF POS	"J"
-20	1.110 [28.19]
-30	1.610 [40.89]
-40	2.110 [53.59]
-50	2.610 [66.29]

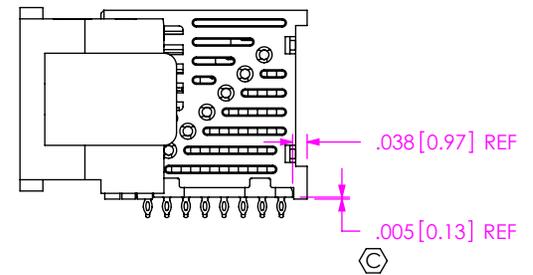
**IN-PROCESS VIEW 1**  
 FILL FIRST IM-C-375-XX-X TO DIMENSION SHOWN  
 (SEAFP-20-01-X-08-RA-WT-GP SHOWN)



**IN-PROCESS VIEW 2**  
 FILL IM-C-375-XX-X  
 (SEAFP-20-01-X-08-RA-WT-GP SHOWN)



**IN-PROCESS VIEW 3**  
 FILL SEAFP-XX-RA-XX  
 (SEAFP-20-01-X-08-RA-WT-GP SHOWN)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)



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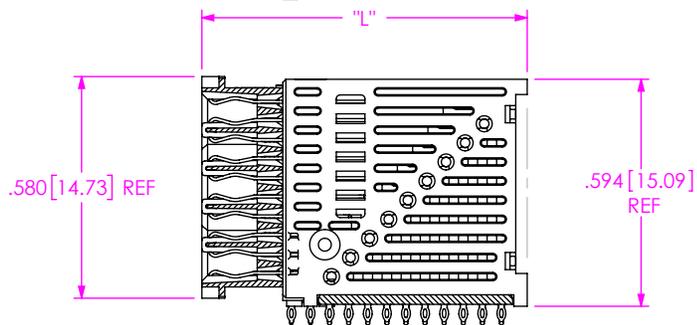
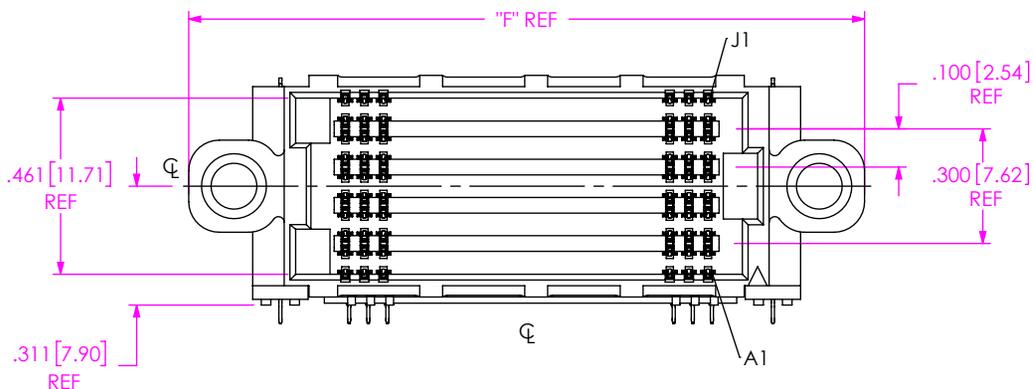
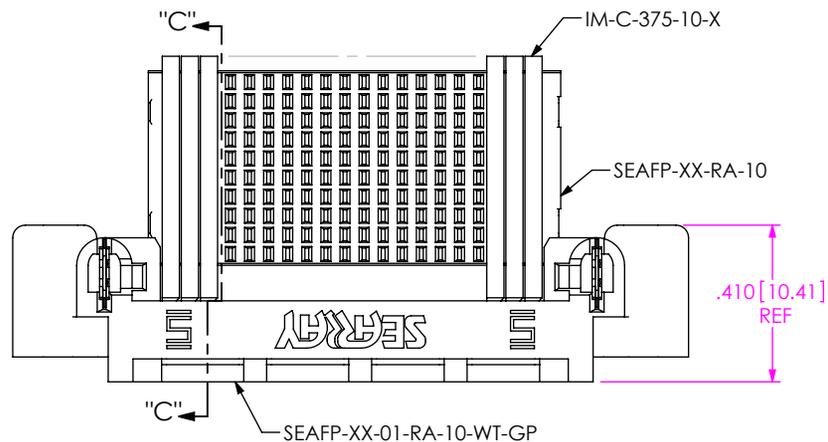


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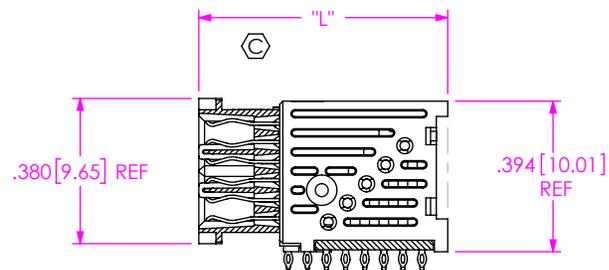
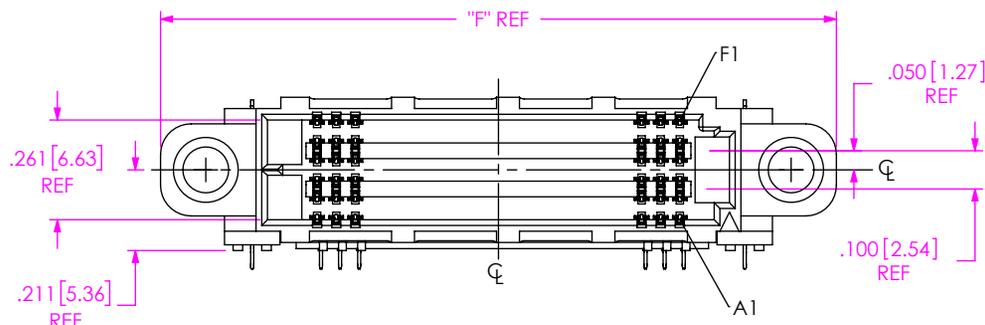
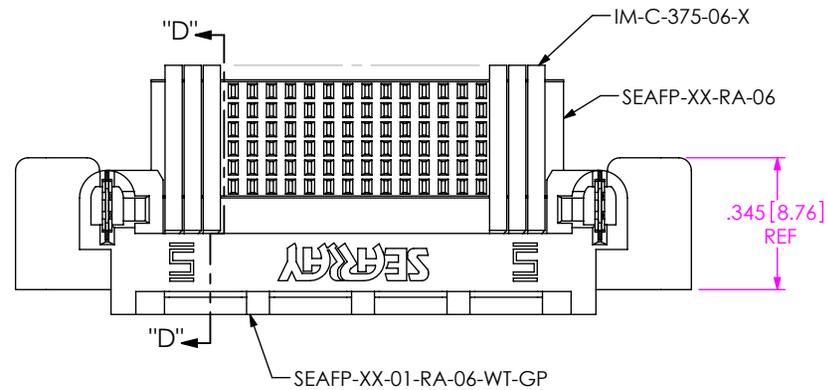
DWG. NO. SEAFP-XX-XX-X-XX-RA-XX-XX

BY: VICKY Z 07/03/2011 SHEET 3 OF 5



SECTION "C"-"C"

FIG 3  
-10: 10 ROW  
SEAFP-20-01-X-10-RA-WT-GP SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



SECTION "D"-"D"

FIG 4  
\*06: 6 ROW  
SEAFP-20-01-X-06-RA-WT-GP SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)  
(\* = NOT TOOLED)

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DESCRIPTION:	SEAFP-RA ASSEMBLY
DWG. NO.	SEAFP-XX-XX-X-XX-RA-XX-XX
BY:	VICKY Z 07/03/2011 SHEET 4 OF 5

PCB THICKNESS	SCREW P/N	SCREW LENGTH
.062 [1.57] - .125 [3.18]	STS-03	.375 [9.53]

No. OF POS	"K"
-20	1.290 [32.77]
-30	1.790 [45.47]
-40	2.290 [58.17]
-50	2.790 [70.87]

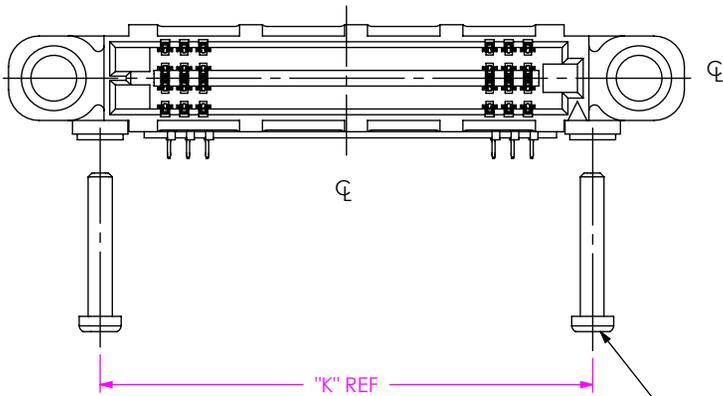
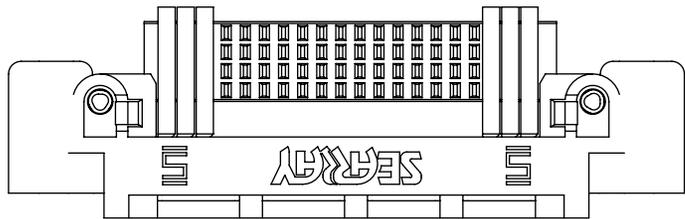


FIG 6  
 \*-SD: SCREW DOWN OPTION  
 SEAFP-20-01-X-04-RA-SD-GP SHOWN  
 (SAME AS FIG 5, EXCEPT AS SHOWN)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)  
 (\* = NOT TOOLED)

STS-03 (2 PLCS)  
 (SEE NOTE 6)

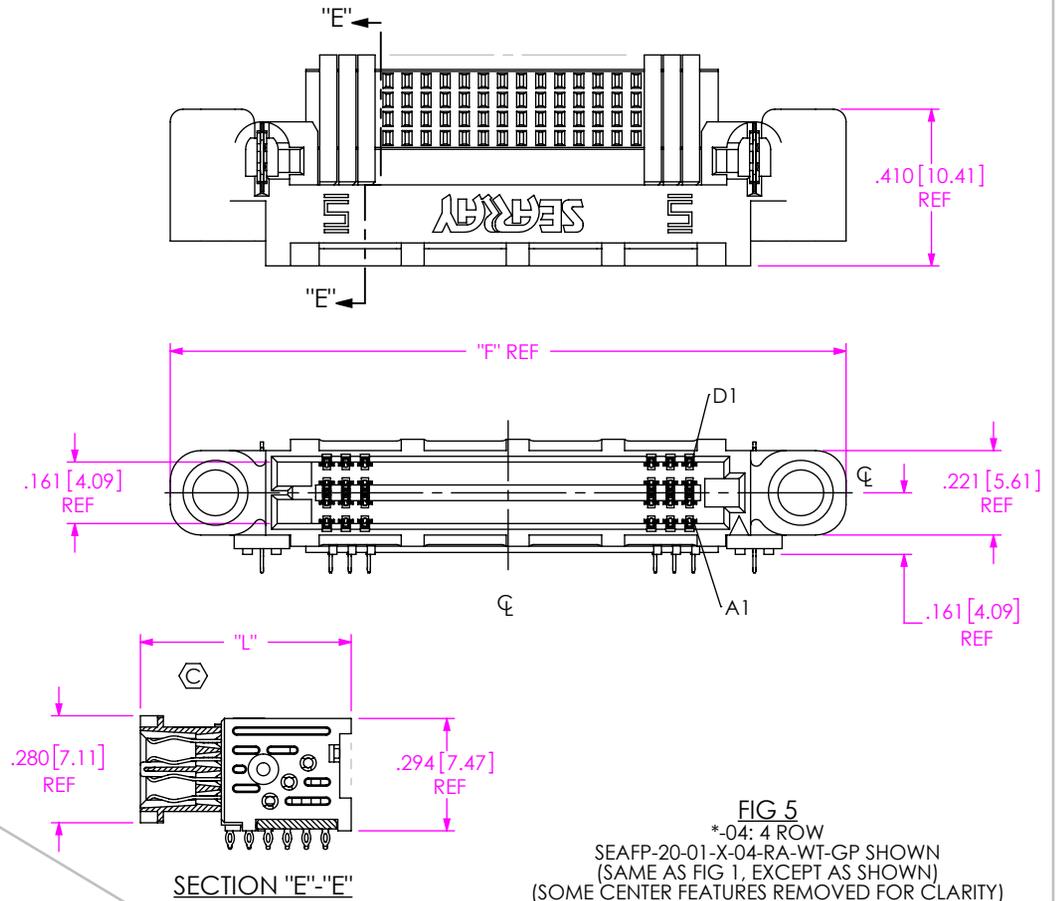
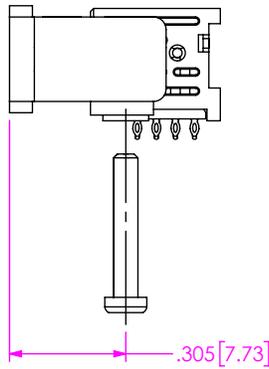


FIG 5  
 \*-04: 4 ROW  
 SEAFP-20-01-X-04-RA-WT-GP SHOWN  
 (SAME AS FIG 1, EXCEPT AS SHOWN)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)  
 (\* = NOT TOOLED)

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DESCRIPTION:  
 SEAFP-RA ASSEMBLY

DWG. NO.  
**SEAFP-XX-XX-X-XX-RA-XX-XX**

BY: VICKY Z 07/03/2011 SHEET 5 OF 5