

DO NOT SCALE FROM THIS PRINT

PATENT NUMBER
8,727,815

SEAFP-XX-XX.X-X-XX-XX

TABLE 1			
STYLE	"F"	BODY CALLOUT	CONTACT
-05.0	.197 [5.00]	SEAFP-XX-05.0-XX-X	C-365-05.0-X
*-06.0	.237 [6.02]	SEAFP-XX-06.0-XX-X	C-365-06.0-X
*-07.0	.276 [7.01]	SEAFP-XX-07.0-XX-X	C-365-07.0-X

(* = NOT TOOLED)

TABLE 3					
No OF POS	"A"	"B"	"C"	"D"	"E"
-10	.729 [18.52]	.450 [11.43]	.670 [17.02]	.710 [18.03]	.450 [11.43]
-20	1.229 [31.22]	.950 [24.13]	1.170 [29.72]	1.210 [30.73]	.950 [24.13]
-30	1.729 [43.92]	1.450 [36.83]	1.670 [42.42]	1.710 [43.43]	1.450 [36.83]
-40	2.229 [56.62]	1.950 [49.53]	2.170 [55.12]	2.210 [56.13]	1.950 [49.53]
-50	2.729 [69.32]	2.450 [62.23]	2.670 [67.82]	2.710 [68.83]	2.450 [62.23]

No OF POSITIONS
-10, -20, -30, -40, -50
(PER ROW)

LEAD STYLE
-05.0: .197[5.00] HEIGHT
* -06.0: .237[6.02] HEIGHT
* -07.0: .276[7.01] HEIGHT

OPTION
* -LP: LATCH POST OPTION
(SEE FIG 5, SHT 3)
(ONLY AVAILABLE WITH -05.0
LEAD STYLE, 6, & 8 ROWS)
* -PP: POLARIZATION PIN
(SEE FIG 6, SHT 3)
(ONLY AVAILABLE WITH -05.0
LEAD STYLE, 6, 8 & 10 ROWS)
-TR: TAPE & REEL

PLATING SPECIFICATION
-L: 10 u" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
(USE C-365-XX.X-L)
-S: 30 u" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
(USE C-365-XX.X-S)

ROW
-04: 4 ROWS (SEE FIG 4, SHT 2)
-06: 6 ROWS (SEE FIG 3, SHT 2)
* -08: 8 ROWS (SEE FIG 1)
* -10: 10 ROWS (SEE FIG 2, SHT 2)

* = NOT TOOLED

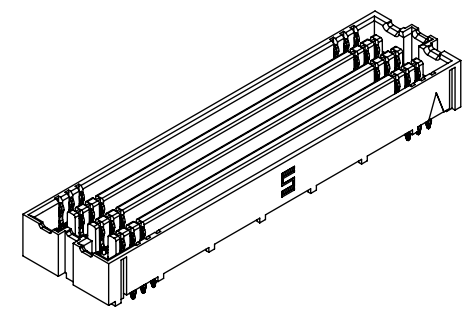
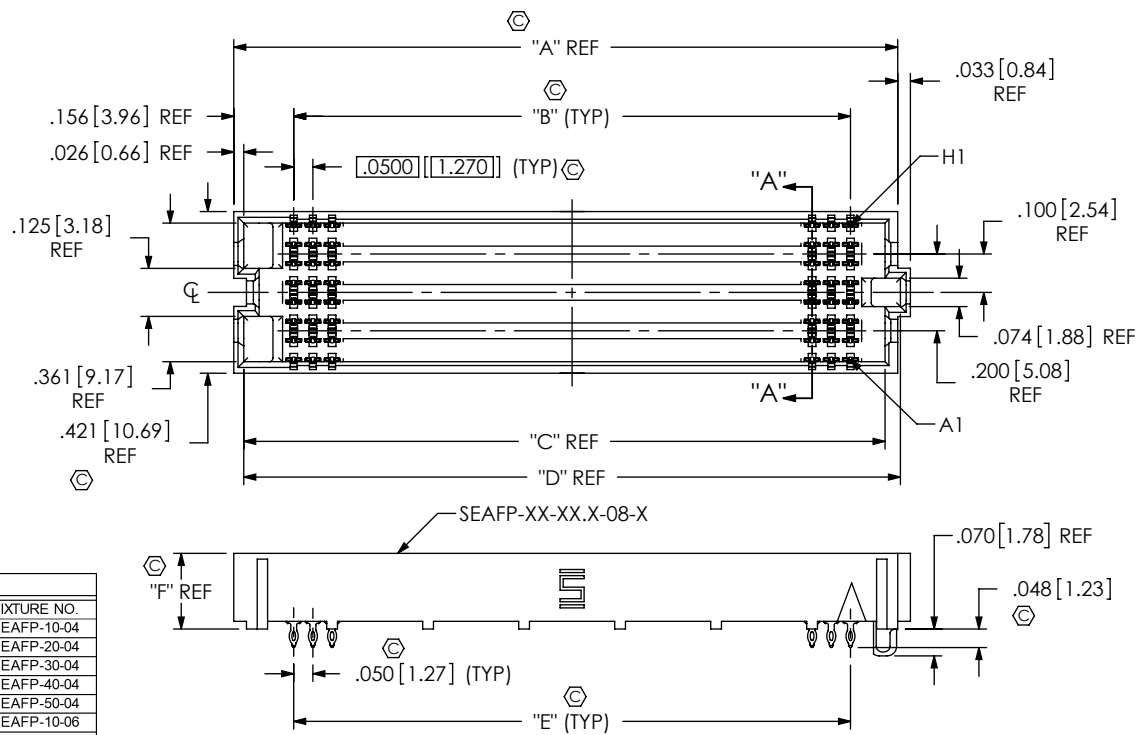
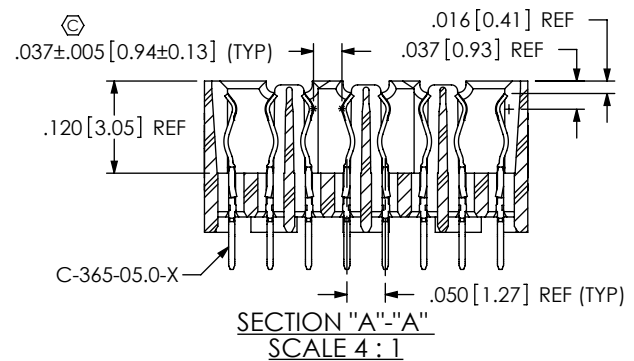


FIG 1
(SEAFP-30-05.0-X-08 SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
(NOT TOOLED)



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

TABLE 5		
ROW	NO OF POS	CAT FIXTURE NO.
-04	-10	CAT-SEAFP-10-04
	-20	CAT-SEAFP-20-04
	-30	CAT-SEAFP-30-04
	-40	CAT-SEAFP-40-04
	-50	CAT-SEAFP-50-04
-06	-10	CAT-SEAFP-10-06
	-20	CAT-SEAFP-20-06
	-30	CAT-SEAFP-30-06
	-40	CAT-SEAFP-40-06
	-50	CAT-SEAFP-50-06

- 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 AND GUIDE POSTS.
 - SCREWS [SAMTEC P/N MS-256-250-P-6L] FOR -LP OPTION WILL BE BULK PACKAGED AND SHIPPED WITH CONNECTORS, MAXIMUM PCB THICKNESS IS .138 [3.51] FOR SUPPLIED SCREWS.
 - APPLICATION TOOLING P/N CAT-SEAFP-XX-XX REQUIRED FOR TERMINATION, CONTACT IPG FOR FURTHER DETAILS (SEE TABLE 5).
 - ASSEMBLIES TO BE PACKAGED IN TRAYS.
 - SAMTEC RECOMMENDS THIS CONNECTOR NOT BE EXPOSED TO REFLOW TEMPERATURES. CONTACT SAMTEC INTERCONNECT PROCESSING GROUP FOR MORE INFORMATION.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [0.3] 2°
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: HIGH TEMPERATURE NYLON, COLOR: NATURAL
CONTACT: BeCu ALLOY

DESCRIPTION:
SOCKET ARRAY ASSEMBLY WITH COMPLIANT TAILS

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

BY: DUKES Z 12/30/2010 SHEET 1 OF 3

PATENT NUMBER
8,727,815

FIG 2
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SEAFP-30-05.0-XX-10 SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
(NOT TOOLED)

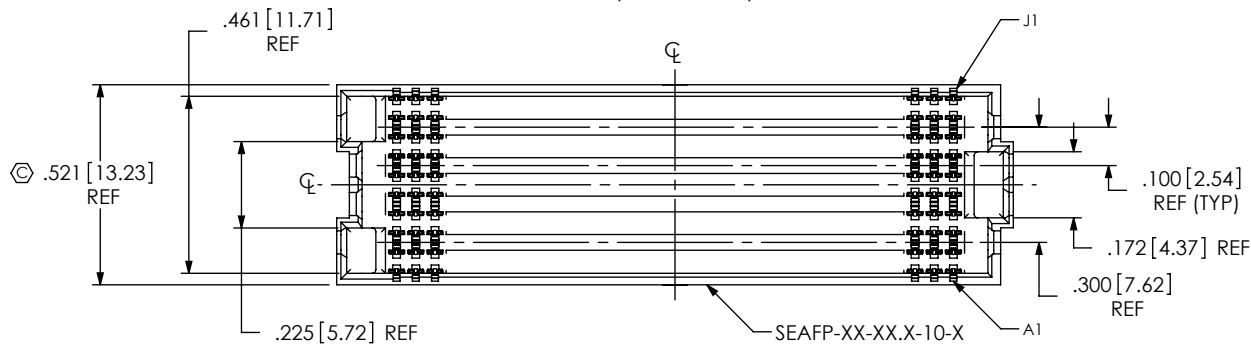


FIG 3
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SEAFP-30-05.0-XX-06 SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)

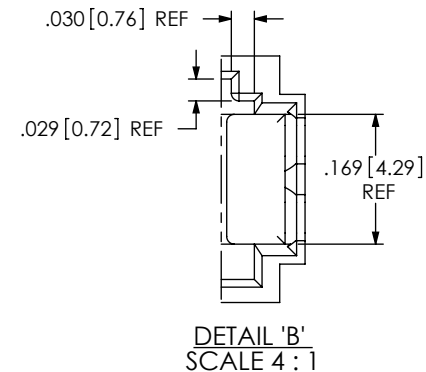
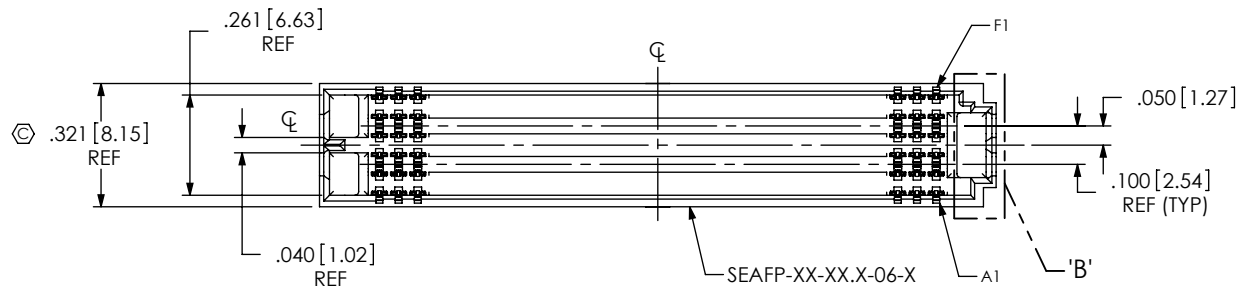
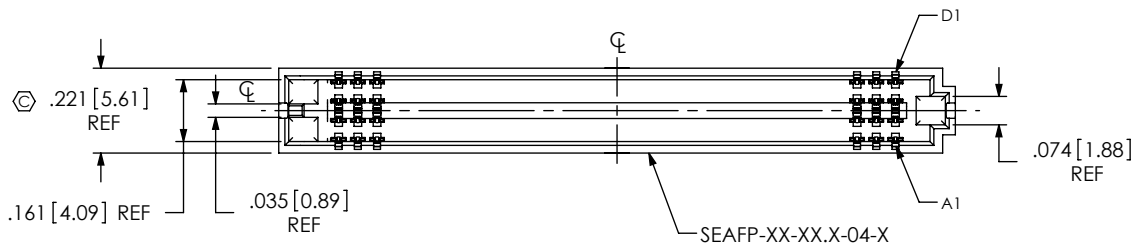


FIG 4
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SEAFP-30-05.0-XX-04 SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)



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SHEET SCALE: 2:1

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DESCRIPTION:
SOCKET ARRAY ASSEMBLY WITH COMPLIANT TAILS

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

BY: DUKES Z 12/30/2010 SHEET 2 OF 3

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8,727,815

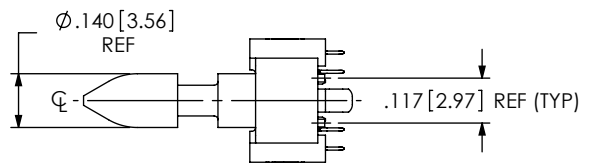
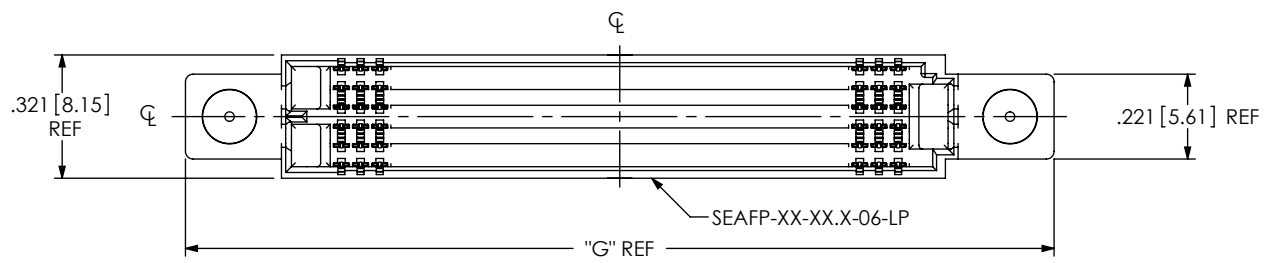


FIG 5
-LP OPTION
(SEAF-30-05.0-XX-06-LP SHOWN)
(ALL CONTACTS NOT SHOWN FOR CLARITY)
(SAME AS FIG 3 EXCEPT AS SHOWN)
(-LP OPTION REQUIRED FOR SEAC MATE ONLY)
(NOT TOOLED)

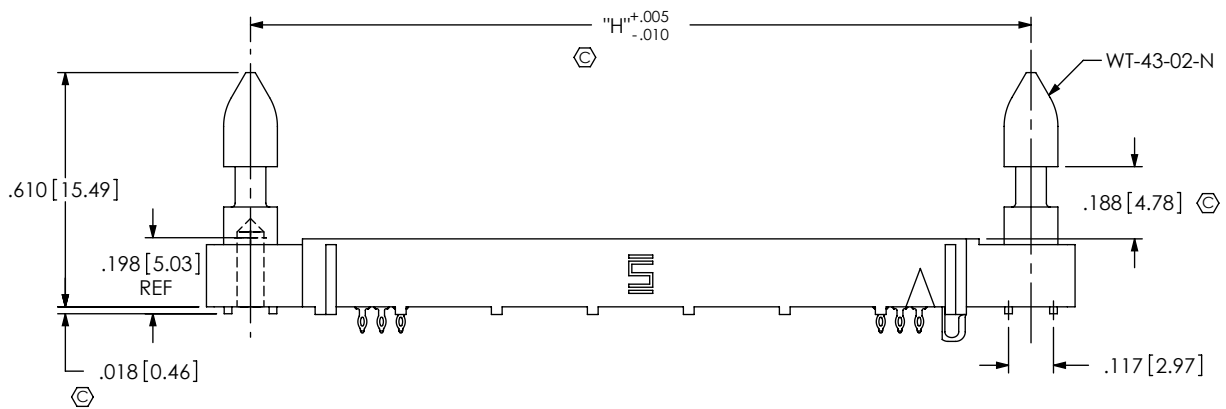
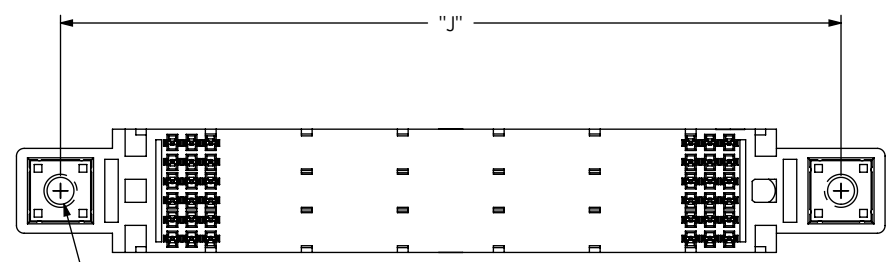


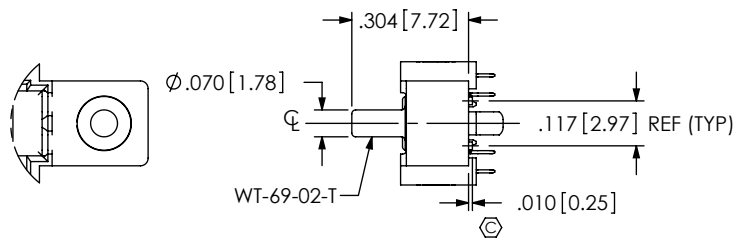
TABLE 4

No OF POS	"G"	"H"	"J"
-10	1.262 [32.05]	1.033 [26.24]	1.03 [26.2]
-20	1.762 [44.75]	1.533 [38.94]	1.53 [38.9]
-30	2.262 [57.45]	2.033 [51.64]	2.03 [51.6]
-40	2.762 [70.15]	2.533 [64.34]	2.53 [64.3]
-50	3.262 [82.85]	3.033 [77.04]	3.03 [77.0]



THREAD #2-56 UNC-2B ∇ .198[5.03]
(2 PLCS) REF (SEE NOTE 5)

FIG 6
-PP OPTION
(SEAF-30-05.0-XX-06-PP SHOWN)
(ALL CONTACTS, NOT SHOWN FOR CLARITY)
(SAME AS FIG 5 EXCEPT AS SHOWN)
(-PP OPTION VALID FOR SEAR MATE ONLY)
(NOT TOOLED)



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BY: DUKES Z 12/30/2010 SHEET 3 OF 3