

DO NOT SCALE FROM THIS PRINT

**FIG. 1**  
-08: 8 ROW  
(SEAMP-30-02.0-X-08-XX SHOWN)  
(SOME CENTER FEATURES NOT SHOWN FOR CLARITY)

**SEAMP-XX-XX.X-X-XX-XX-XX**

**No OF POSITIONS**

-10, -20, -30, -40, -50  
(PER ROW)

**LEAD STYLE**

-02.0

**PACKAGING**

BLANK: TRAY (SEE NOTES 10 & 11)  
-TR: TAPE & REEL (SEE NOTES 11 & 12)  
-FR: FULL REEL QTY TAPE & REEL  
(SEE NOTES 11 & 12)

**OPTION**

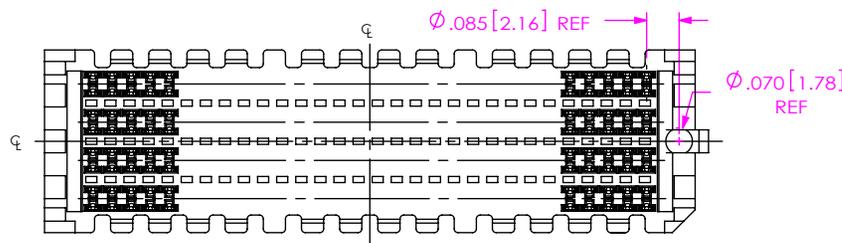
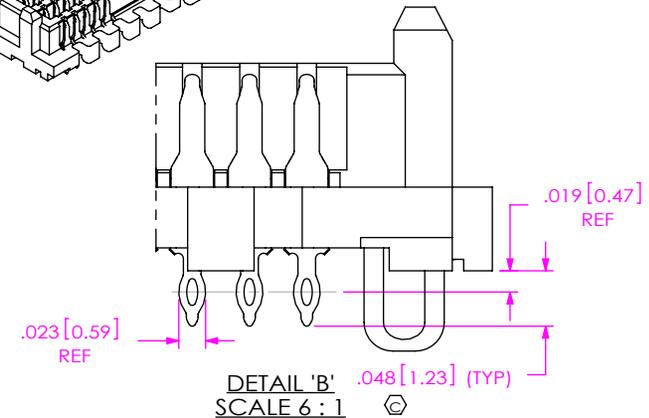
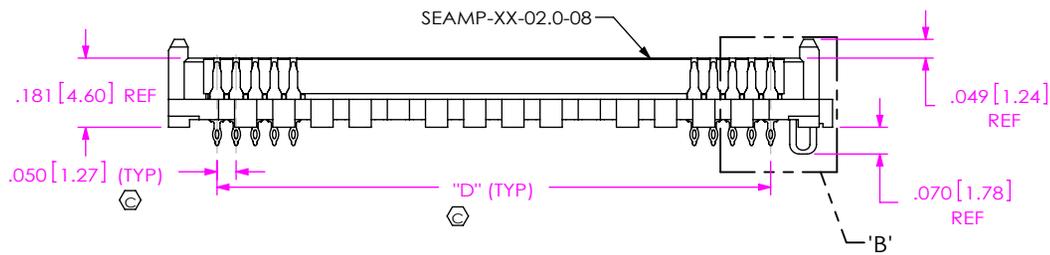
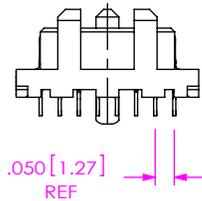
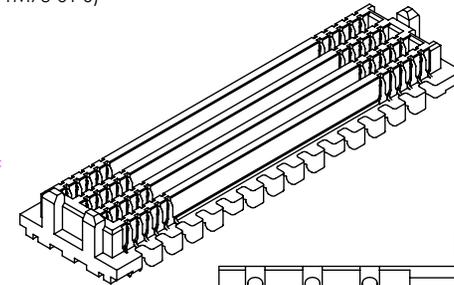
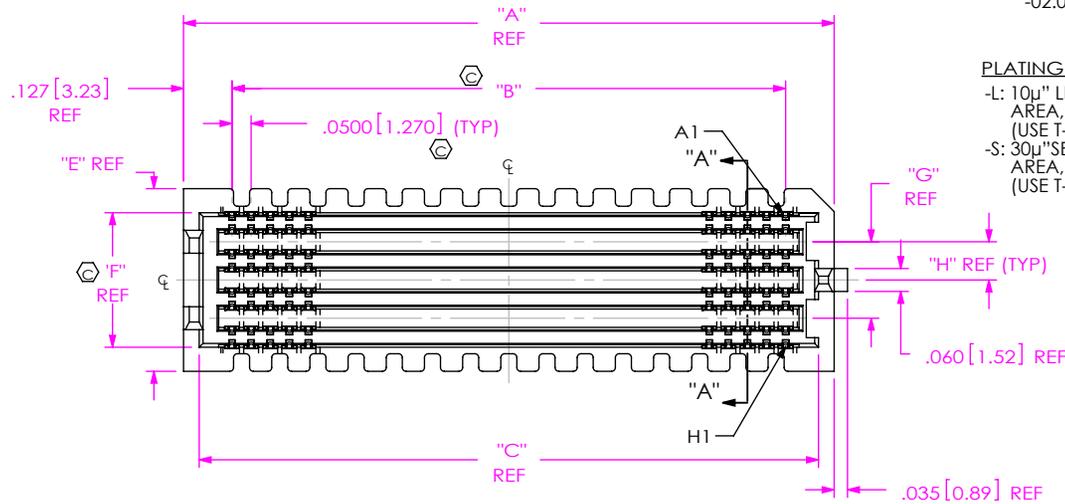
-GP: GUIDE POST WITH SCREWS  
FOR .062 [1.57] - .125 [3.18] BOARD  
(SEE FIG 5, SHT 3) (SEE NOTE 6)

**PLATING SPECIFICATIONS**

-L: 10µ" LIGHT GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1M73-01-L)  
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE T-1M73-01-S)

**ROW**

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



**NOTES:**

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. NOTE DELETED.
3. CONTACT SAMTEC FOR CONNECTOR PRESS FIT INSTRUCTIONS AND REQUIRED FIXTURES.
4. CONNECTOR BODY COLOR TO BE NATURAL (BEIGE).
5. MINIMUM PUSHOUT FORCE 0.5 LBS [2.22N] FOR CONTACTS AND GUIDE POSTS.
6. SCREWS FOR GP OPTION WILL BE BULK PACKAGED AND SHIPPED WITH CONNECTOR.
7. APPLICATION TOOLING REQUIRED FOR TERMINATIONS, SEE TABLE 7.
8. ALL PARTS TO BE PACKAGED IN TRAYS EXCEPT -GP OPTION
9. SAMTEC RECOMMENDS THIS CONNECTOR NOT BE EXPOSED TO REFLOW TEMPERATURES.
10. CONTACT SAMTEC INTERCONNECT PROCESSING GROUP FOR MORE INFORMATION.
11. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
12. ATTACH LABEL TO EACH REEL.

**TABLE 1**  
STACK HEIGHT

SEAMP LEAD STYLE	SEAF LEAD STYLE		
	-05.0	-06.0	-06.5
-02.0	7mm	8mm	8.5mm

**TABLE 2**

No. OF POS	"A"	"B"	"C"	"D"
-10	.704 [17.88]	.450 [11.43]	.622 [15.80]	.450 [11.43]
-20	1.204 [30.58]	.950 [24.13]	1.122 [28.50]	.950 [24.13]
-30	1.704 [43.28]	1.450 [36.83]	1.622 [41.20]	1.450 [36.83]
-40	2.204 [55.98]	1.950 [49.53]	2.122 [53.90]	1.950 [49.53]
-50	2.704 [68.68]	2.450 [62.23]	2.622 [66.60]	2.450 [62.23]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES[MILLIMETERS].  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

**PROPRIETARY NOTE**  
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.



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

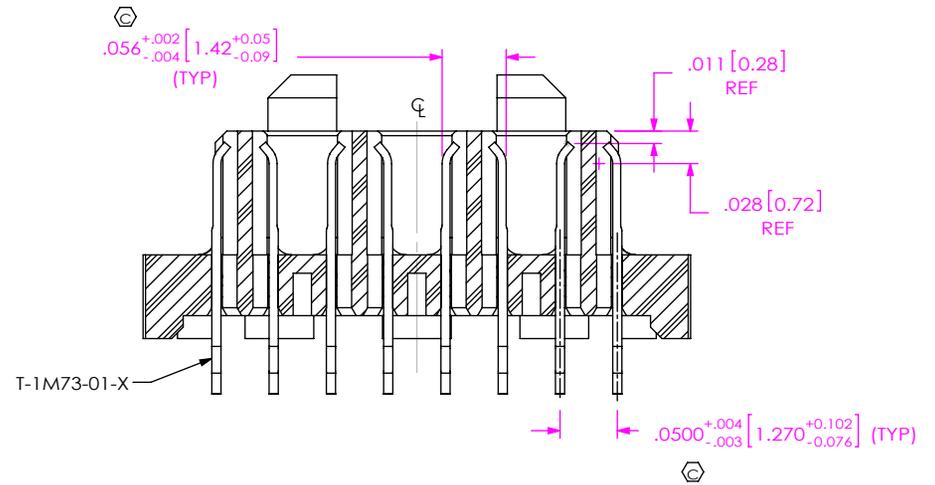
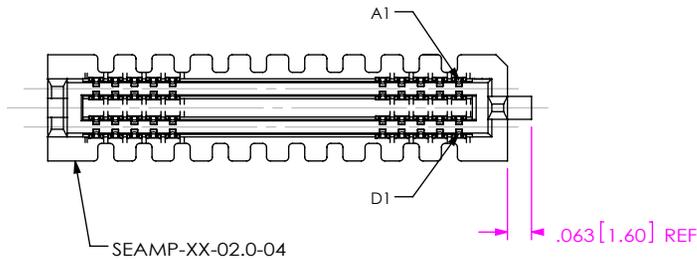
**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: HIGH TEMPERATURE NYLON, COLOR: NATURAL  
TERMINAL: COPPER ALLOY  
GUIDE POST: STAINLESS STEEL  
SCREW: STAINLESS STEEL

**DESCRIPTION:** TERMINAL ARRAY ASSEMBLY WITH COMPLIANT TAILS  
DWG. NO.

**SEAMP-XX-XX.X-X-XX-XX-XX**

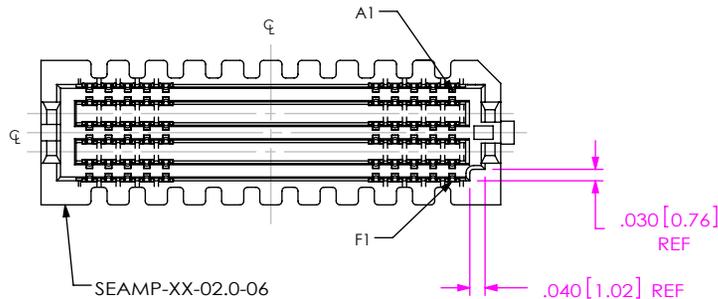
BY: R MUSSER 11/19/2008 SHEET 1 OF 3

**FIG. 2**  
 -04: 4 ROW  
 (SAME AS FIG. 1, EXCEPT AS SHOWN)  
 (SEAMP-20-02.0-X-04-XX SHOWN)  
 (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)



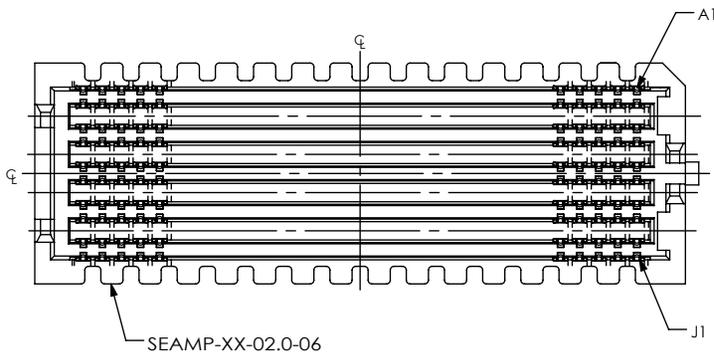
**SECTION "A"-"A"**  
**SCALE 6 : 1**

**FIG. 3**  
 -06: 6 ROWS  
 (SAME AS FIG. 1, EXCEPT AS SHOWN)  
 (SEAMP-20-02.0-X-06-XX SHOWN)  
 (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)



No. OF ROWS	"E"	"F"	"G"	"H"
-04	.278 [7.06]	.152 [3.86]	.100 [2.54]	.050 [1.27]
-06	.378 [9.60]	.252 [6.40]	.100 [2.54]	.050 [1.27]
-08	.478 [12.14]	.352 [8.94]	.200 [5.08]	.100 [2.54]
-10	.578 [14.68]	.452 [11.48]	.300 [7.62]	.150 [3.81]

**FIG. 4**  
 -10: 10 ROW  
 (SAME AS FIG. 1, EXCEPT AS SHOWN)  
 (SEAMP-30-02.0-X-10-XX SHOWN)  
 (SOME CENTER FEATURES NOT SHOWN FOR CLARITY)



ROW	PACKAGING TUBE	PLUG
-04	PT-SEAMP004-4	TP-03
-06	PT-SEAMP003-6	TP-07
-08	PT-SEAMP002-8	TP-07
-10	PT-SEAMP001-10	TP-28

(USED FOR -GP OPTION ONLY)

**PROPRIETARY NOTE**  
 THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING  
 SHEET SCALE: 2:1

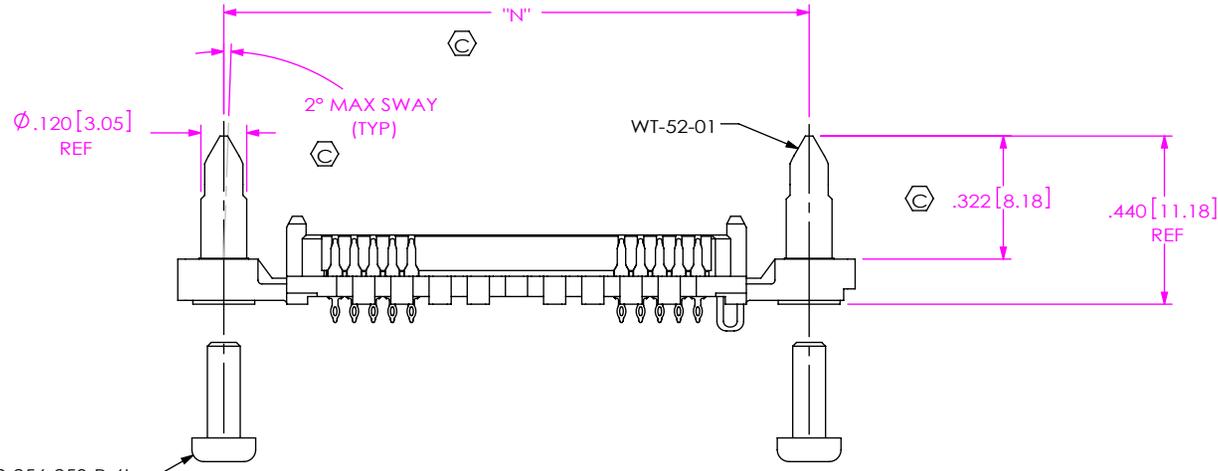
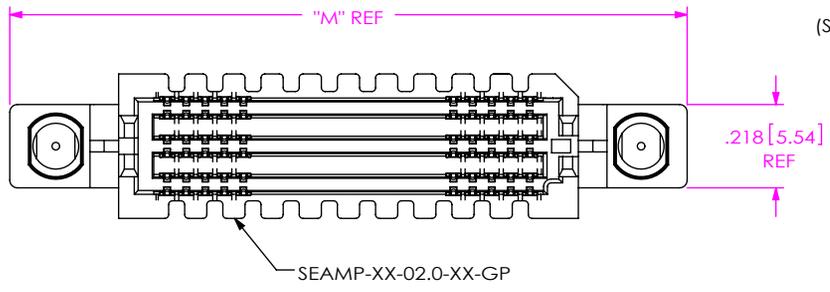


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail info@SAMTEC.com code 55322

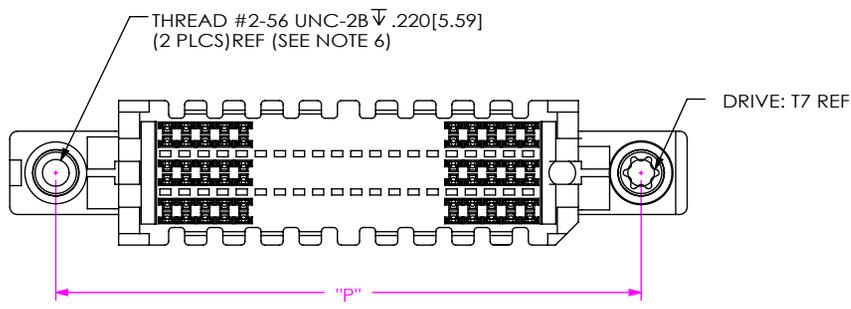
DESCRIPTION:  
 TERMINAL ARRAY ASSEMBLY WITH COMPLIANT TAILS  
 DWG. NO.  
**SEAMP-XX-XX.X-X-XX-XX-XX**

BY: R MUSSER 11/19/2008 SHEET 2 OF 3

**FIG. 5**  
 -GP: GUIDE POST OPTION  
 (SAME AS FIG. 1, EXCEPT AS SHOWN)  
 (SEAMP-20-02.0-X-06-GP-XX SHOWN)  
 (SOME CONTACTS NOT SHOWN FOR CLARITY)



MS-256-250-P-6L  
 (2 PCS)  
 (SEE TABLE 5)



**TABLE 7**

ROW	NO OF POS	CAT FIXTURE NO
-04	-10	CAT-SEAMP-10-04
	-20	CAT-SEAMP-20-04
	-30	CAT-SEAMP-30-04
	-40	CAT-SEAMP-40-04
	-50	CAT-SEAMP-50-04
-06	-10	CAT-SEAMP-10-06
	-20	CAT-SEAMP-20-06
	-30	CAT-SEAMP-30-06
	-40	CAT-SEAMP-40-06
	-50	CAT-SEAMP-50-06
-08	-10	CAT-SEAMP-10-08
	-20	CAT-SEAMP-20-08
	-30	CAT-SEAMP-30-08
	-40	CAT-SEAMP-40-08
	-50	CAT-SEAMP-50-08
-10	-10	CAT-SEAMP-10-10
	-20	CAT-SEAMP-20-10
	-30	CAT-SEAMP-30-10
	-40	CAT-SEAMP-40-10
	-50	CAT-SEAMP-50-10

**TABLE 4**

No. OF POS	"M"	"N"	"P"
-10	1.274 [32.36]	1.033 [26.24]	1.033 [26.24]
-20	1.774 [45.06]	1.533 [38.94]	1.533 [38.94]
-30	2.274 [57.76]	2.033 [51.64]	2.033 [51.64]
-40	2.774 [70.46]	2.533 [64.34]	2.533 [64.34]
-50	3.274 [83.16]	3.033 [77.04]	3.033 [77.04]

**TABLE 5**

OPTION	PCB THICKNESS	SCREW P/N	SCREW LENGTH
-GP	0.062 [1.57] - 0.125 [3.18]	MS-256-250-P-6L-X	0.250 [6.35]

**PROPRIETARY NOTE**  
 THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING  
 SHEET SCALE: 2:1



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

DESCRIPTION:  
 TERMINAL ARRAY ASSEMBLY WITH COMPLIANT TAILS

DWG. NO.  
**SEAMP-XX-XX.X-X-XX-XX-XX**

BY: R MUSSER 11/19/2008 SHEET 3 OF 3