



**THE DATASHEET OF
SEAMI-20-11.0-L-06-2-A-K-TR**



DO NOT SCALE FROM THIS PRINT

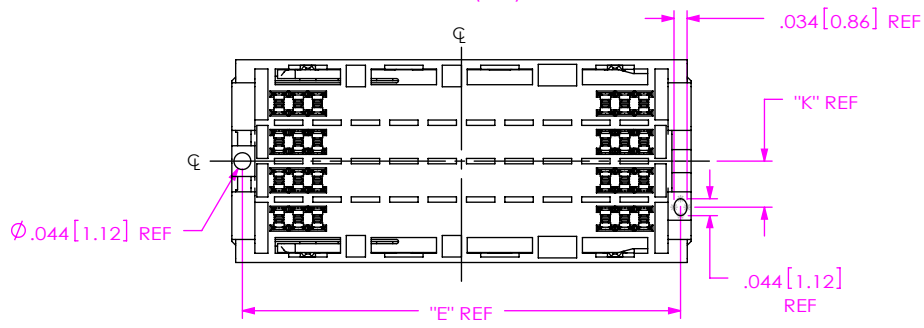
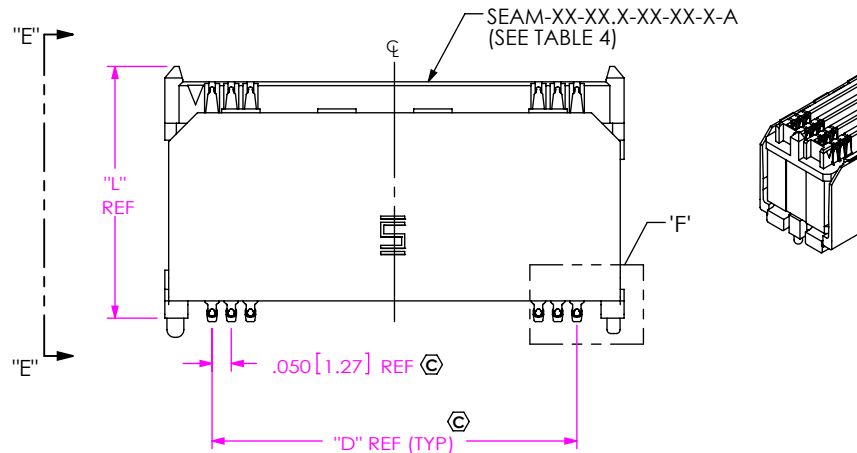
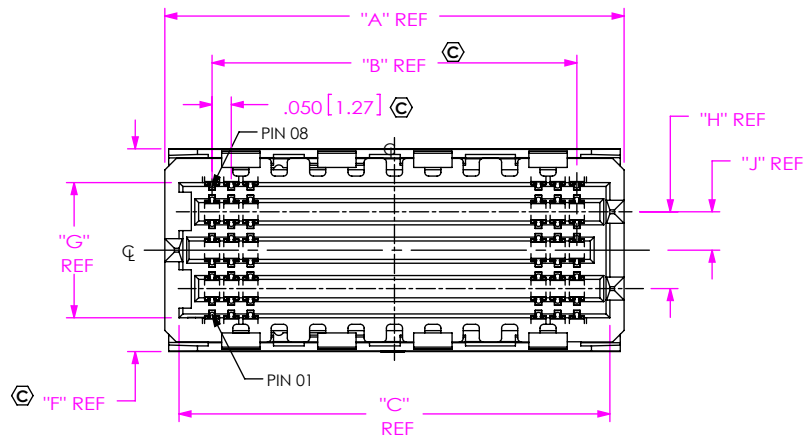


FIG 1
SEAMI-20-13.0-XX-08-X-A-K-XR SHOWN
CENTER DETAILS NOT SHOWN FOR CLARITY

- NOTES:
1. © REPRESENTS A CRITICAL DIMENSION.
 2. MINIMUM PUSHOUT FORCE: 0.75 LBS.
 3. POLYIMIDE PAD WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
 4. NOTE DELETED.
 5. NOTE DELETED.
 6. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
 7. POLYIMIDE PAD WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
 8. SOLDER CHARGE VOLUME IS 0.00000891 CU. IN. - REF.
 9. DIMENSION C13 MUST BE MEASURED USING INSPECTION FIXTURE AT-1817-836-1 FOR 4 OR AT-1817-836-2 FOR 6, 8 AND 10 ROW. USE CO-AU-WI-2003-M FOR PROCESS.
 10. MINIMUM PUSHOUT FORCE OF SEAMI PLASTIC INSERT: 1.5LBS.
 11. MAXIMUM ROW TO ROW VARIATION: .003 [0.08]
 12. A 20-30 °C TEMPERATURE DIFFERENCE MAY EXIST BETWEEN THIS HIGH-DENSITY COMPONENT AND THE BOARD SURFACE DURING REFLOW. SAMTEC RECOMMENDS A THERMAL STUDY BE PERFORMED TO UNDERSTAND THE TEMPERATURE GRADIENTS YOU MAY EXPERIENCE.
 13. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

SEAMI-XX-XX.X-XX-XX-X-A-K-XR

No. OF POSITIONS

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

LEAD STYLE

- *-07.0
- 11.0
- *-13.0

PLATING

- L: 10µ GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE NEW-SUB-T-1M38-XX.X-L-X)
- SM: 30µ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE NEW-SUB-T-1M38-XX.X-S-X)
- S: 30µ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (USE NEW-SUB-T-1M38-XX.X-S-X)

(* = NOT TOOLED)

ROW

- 04: 4 ROW
- 06: 6 ROW
- 08: 8 ROW
- 10: 10 ROW

TAPE & REEL (SEE NOTES 6 & 13)

- TR: TAPE & REEL
- FR: FULL REEL QTY TAPE & REEL

POLYIMIDE PAD (SEE NOTE 7)

- (SEE FIG 4. SHT 3)
- DOT APPLICATOR-KAPTON TAPE.
- 04 ROW: USE K-DOT-.236-.343-.005
- 06 ROW: USE K-DOT-.236-.343-.005
- 08 ROW: USE K-DOT-.325-.450-.005
- 10 ROW: USE K-DOT-.404-.500-.005

ALIGNMENT PINS

SOLDER COMPOSITION & STYLE

- 1: 63% TIN / 37% LEAD CHARGE TAIL (USE NEW-SUB-T-1M38-XX.X-X-1) (SEE NOTE 8)
- 2: 96.5% TIN / 3.5% SILVER CHARGE TAIL (USE NEW-SUB-T-1M38-XX.X-X-2) (SEE NOTE 8)

TABLE 1				
STACK HEIGHT				
SEAMI LEAD STYLE	SEAF LEAD STYLE			
	-05.0	-06.0	-06.5	-07.5
-07.0	12mm	13mm	13.5mm	14.5mm
-11.0	16mm	17mm	17.5mm	18.5mm
-13.0	18mm	19mm	19.5mm	20.5mm

TABLE 2					
No. OF POS	"A"	"B"	"C"	"D"	"E"
-20	1.196 [30.38]	.950 [24.13]	1.122 [28.50]	.950 [24.13]	1.141 [28.98]
-30	1.696 [40.08]	1.450 [36.83]	1.622 [41.20]	1.450 [36.83]	1.641 [41.68]
-40	2.196 [55.78]	1.950 [49.53]	2.122 [53.90]	1.950 [49.53]	2.141 [54.38]
-50	2.696 [68.48]	2.450 [62.23]	2.622 [66.60]	2.450 [62.23]	2.641 [67.08]

TABLE 3					
No. OF ROWS	"F"	"G"	"H"	"J"	"K"
-04	.328 [8.33]	.152 [3.86]	.100 [2.54]	.050 [1.27]	.079 [2.01]
-06	.428 [10.87]	.252 [6.40]	.100 [2.54]	.050 [1.27]	.120 [3.05]
-08	.528 [13.41]	.352 [8.94]	.200 [5.08]	.100 [2.54]	.120 [3.05]
-10	.628 [15.95]	.452 [11.48]	.300 [7.62]	.150 [3.81]	.120 [3.05]

TABLE 4						
ROW	STYLE	"L"	"M"	"N"	SEAM CONNECTOR ASSY**	SEAMI INSULATOR P/N
-04	-07.0	.417 [10.59]	.271 [6.88]	.098 [2.49]	SEAM-XX-07.0-XX-04-XA	SEAMI-XX-07.0-04
	-11.0	.575 [14.61]	.429 [10.90]	.256 [6.50]	SEAM-XX-11.0-XX-04-XA	SEAMI-XX-11.0-04
	-13.0	.654 [16.61]	.508 [12.90]	.335 [8.51]	SEAM-XX-13.0-XX-04-XA	SEAMI-XX-13.0-04
-06	-07.0	.419 [10.64]	.271 [6.88]	.098 [2.49]	SEAM-XX-07.0-XX-06-XA	SEAMI-XX-07.0-06
	-11.0	.577 [14.66]	.429 [10.90]	.256 [6.50]	SEAM-XX-11.0-XX-06-XA	SEAMI-XX-11.0-06
	-13.0	.656 [16.66]	.508 [12.90]	.335 [8.51]	SEAM-XX-13.0-XX-06-XA	SEAMI-XX-13.0-06
-08	-07.0	.419 [10.64]	.271 [6.88]	.098 [2.49]	SEAM-XX-07.0-XX-08-XA	SEAMI-XX-07.0-08
	-11.0	.577 [14.66]	.429 [10.90]	.256 [6.50]	SEAM-XX-11.0-XX-08-XA	SEAMI-XX-11.0-08
	-13.0	.656 [16.66]	.508 [12.90]	.335 [8.51]	SEAM-XX-13.0-XX-08-XA	SEAMI-XX-13.0-08
-10	-07.0	.419 [10.64]	.271 [6.88]	.098 [2.49]	SEAM-XX-07.0-XX-10-XA	SEAMI-XX-07.0-10
	-11.0	.577 [14.66]	.429 [10.90]	.256 [6.50]	SEAM-XX-11.0-XX-10-XA	SEAMI-XX-11.0-10
	-13.0	.656 [16.66]	.508 [12.90]	.335 [8.51]	SEAM-XX-13.0-XX-10-XA	SEAMI-XX-13.0-10

** = DELETE -GP, -EP, -K & -TR OPTIONS

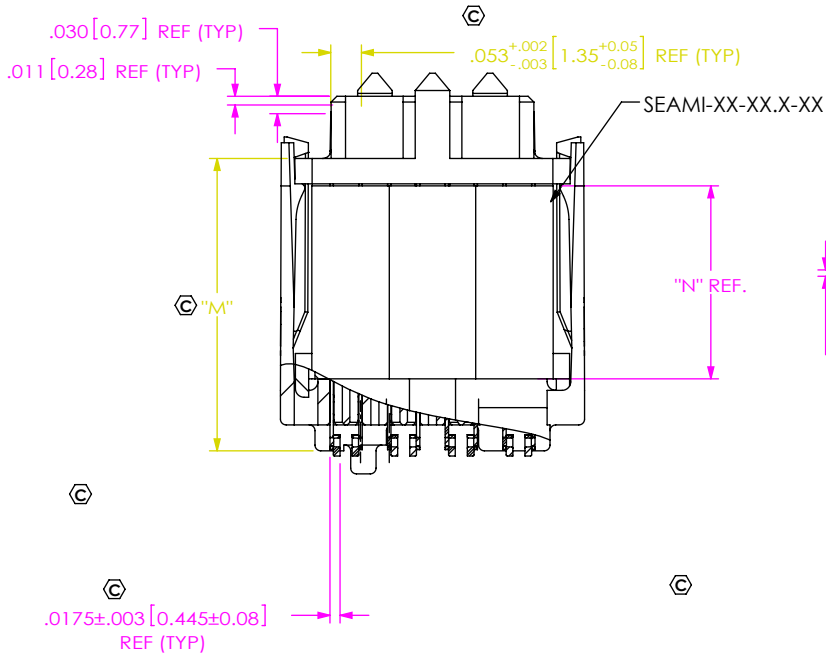
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [.3]
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

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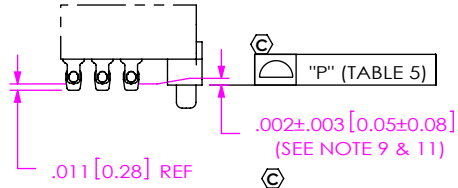


520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 53322

MATERIAL: DO NOT SCALE DRAWING	SHEET SCALE: 2:1	DESCRIPTION: 85 OHM, DIFFERENTIAL, .050 PITCH TERM. ARRAY ASM
INSULATORS: LCP. COLOR: BLACK	TERMINAL: COPPER ALLOY	DWG. NO. SEAMI-XX-XX.X-XX-XX-X-A-K-XR
BY: KNOWLDEN 7/20/2010		SHEET 1 OF 3



VIEW "E"-"E"
SCALE 3:1



DETAIL "F"
SCALE 3:1

TABLE 5	
No. OF POS.	"P"
20-30	.006 [0.152]
40-50	.009 [0.229]

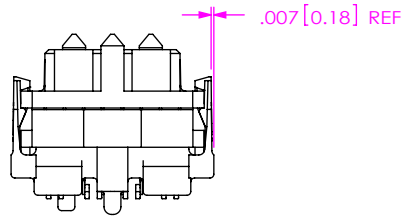
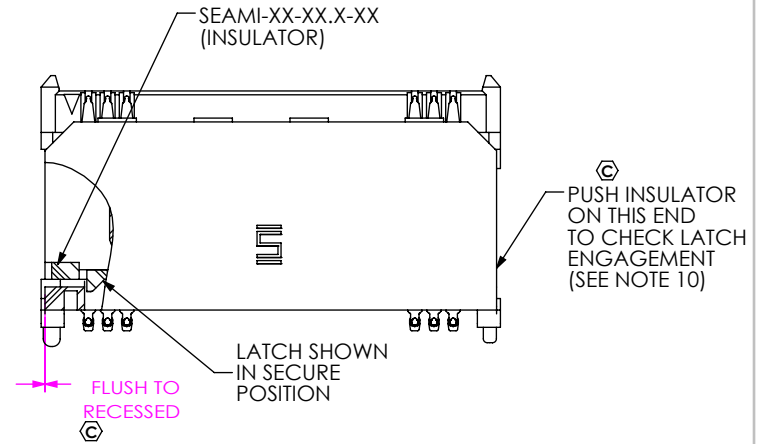
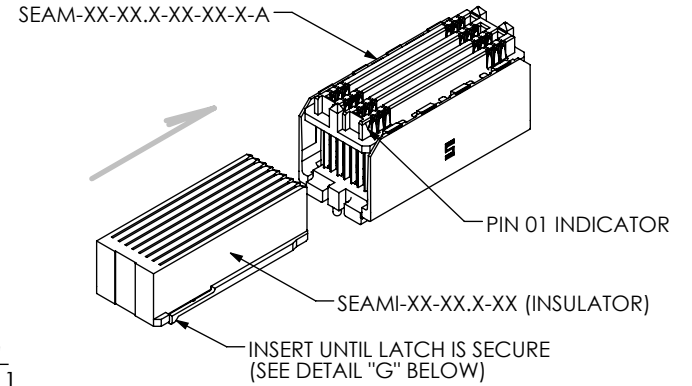


FIG 2
SEAMI-20-07.0-XX-08-X-A-K-XR SHOWN
SAME AS FIG 1, EXCEPT AS SHOWN
(CENTER DETAILS NOT SHOWN FOR CLARITY)

IN PROCESS
FILL SEAMI-XX-XX.X-XX-X (INSULATOR)
(CENTER DETAILS NOT SHOWN FOR CLARITY)



DETAIL "G"
SCALE 4:1

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SHEET SCALE: 2:1



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DESCRIPTION:
85 OHM, DIFFERENTIAL, .050 PITCH TERM. ARRAY ASM

DWG. NO.
SEAMI-XX-XX.X-XX-XX-X-A-K-XR

BY: KNOWLDEN 7/20/2010 SHEET 2 OF 3

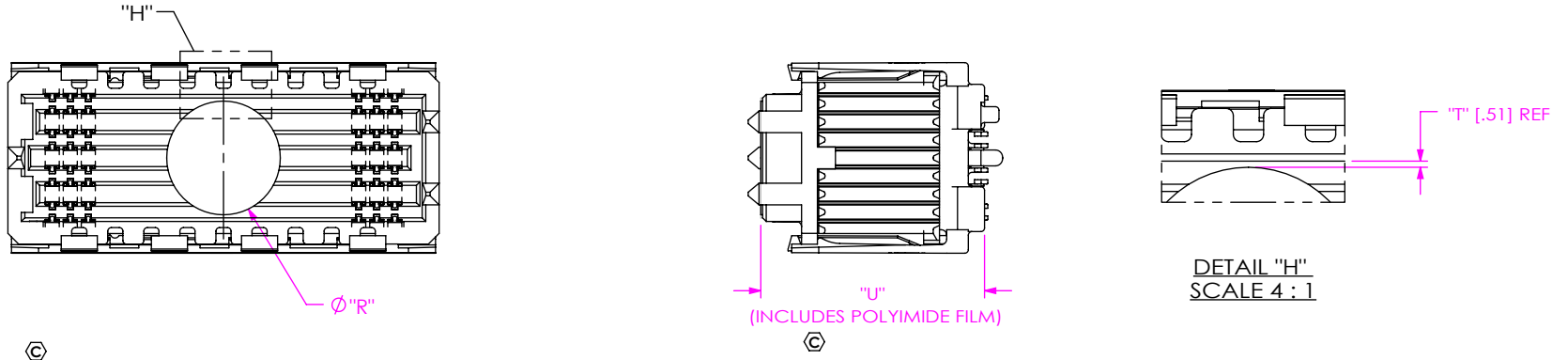


FIG 4
 -K: POLYIMIDE PAD
 SEAMI-20-13.0-XX-08-X-A-K-XR SHOWN
 SAME AS FIG 1, EXCEPT AS SHOWN
 (CENTER DETAILS NOT SHOWN FOR CLARITY)

TABLE 7	
LEAD STYLE	"U"
-07.0	0.384 [9.75]
-11.0	0.542 [13.77]
-13.0	0.621 [15.77]

TABLE 6							
ROW	Ø "R"	"S"					"T"
		10 POS	20 POS	30 POS	40 POS	50 POS	
-04	.236 [6.00]	.230 [5.84]	.480 [12.19]	.730 [18.54]	.980 [24.89]	1.230 [31.24]	.042 [1.07]
-06	.236 [6.00]	.230 [5.84]	.480 [12.19]	.730 [18.54]	.980 [24.89]	1.230 [31.24]	.008 [0.20]
-08	.325 [8.25]	.186 [4.71]	.436 [11.06]	.686 [17.41]	.936 [23.76]	1.186 [30.11]	.014 [0.36]
-10	.404 [10.25]	.146 [3.71]	.396 [10.06]	.646 [16.41]	.896 [22.76]	1.146 [29.11]	.024 [0.61]

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 DWG. NO.
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