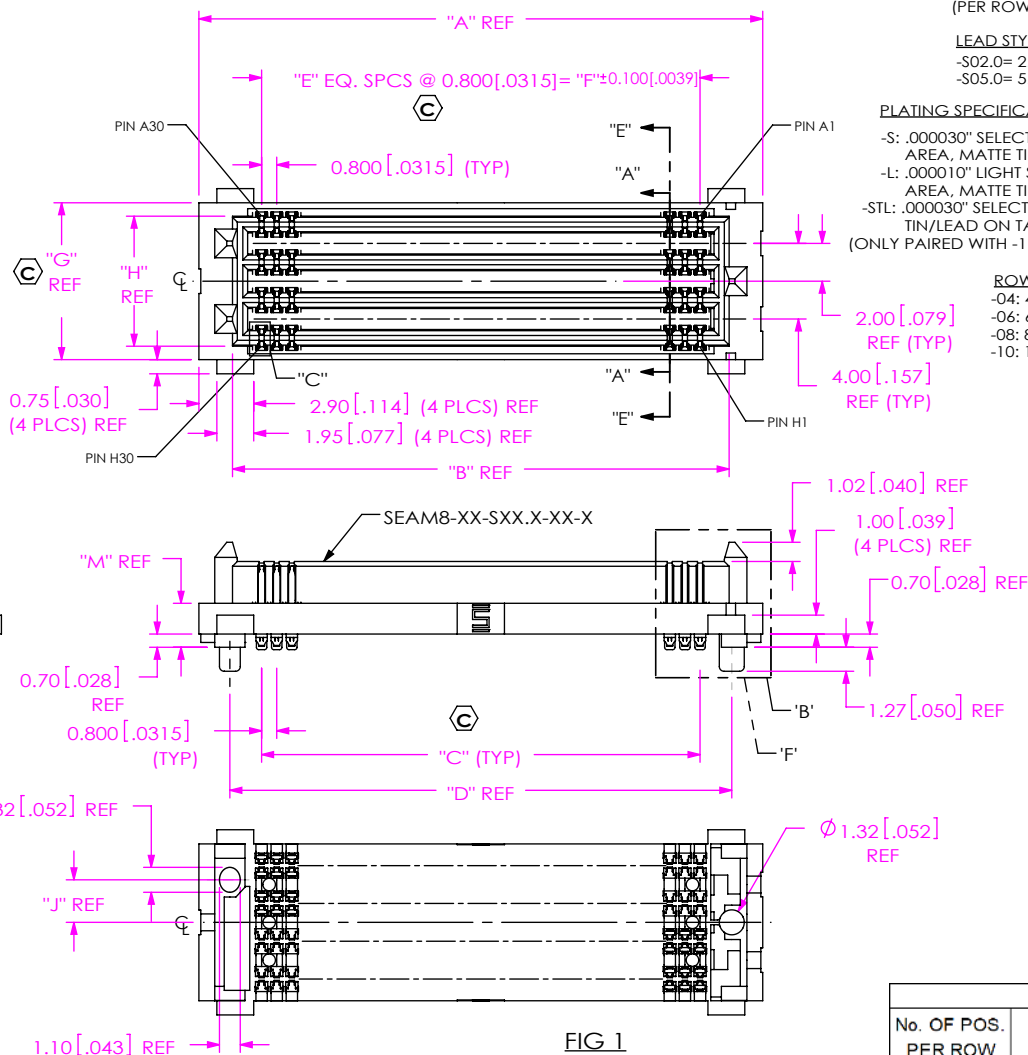


**DESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]**

**SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX**

DO NOT  
SCALE FROM  
THIS PRINT



**No. OF POSITIONS**

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

**LEAD STYLE**

-S02.0= 2.0mm  
-S05.0= 5.0mm

**PLATING SPECIFICATION**

-S: .000030" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
-L: .000010" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
-STL: .000030" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD ON TAIL (SEE NOTE 19)  
(ONLY PAIRED WITH -1 SOLDER COMPOSITION & STYLE)

**ROW**

-04: 4 ROWS  
-06: 6 ROWS  
-08: 8 ROWS (SEE NOTE 11)  
-10: 10 ROWS (SEE NOTE 11)

**PACKAGING**

-BLANK: TAPE & REEL (SEE NOTE 4 & 17)  
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 16,17 & 18)

**PICK & PLACE OPTION**

\*-K: POLYAMIDE FILM (KAPTON STANDARD WITH OR WITHOUT -K) (SEE SHT 4, FIG. 3) (SEE NOTE 14)

**OPTIONS**

-GP= GUIDE POST (SEE SHT 3, FIG 2)  
(ONLY AVAIL. ON -S02.0 LEADSTYLE)  
(RELEASED ON THE -04, -08 & -10 ROWS)  
(NOT TOOLED ON -06 ROW)  
(FOR MATING WITH SEAF8-...-RA-GP ONLY)

**SOLDER COMPOSITION & STYLE**

-1: 63.0% TIN / 37.0% LEAD CHARGE TAIL (USE SUB-T-1M132-XX-X-STL-1)  
(ONLY AVAILABLE WITH -STL PLATING)  
\*-2: 95.5% TIN / 3.8% SILVER/ 0.7% COPPER CHARGE TAIL (USE SUB-T-1M71-XX-X-X-X)  
-3: 95.5% TIN / 3.8% SILVER / 0.7% COPPER CHARGE TAIL (USE SUB-T-1M132-XX-X-X-2)

\*= FOR EXISTING CUSTOMERS ONLY

-LEAD STYLE	"L"	"M"
-S02.0	4.54 [0.179]	2.33 [0.092]
-S05.0	7.54 [0.297]	5.33 [0.210]

STACK HEIGHT		
SEAF8 LEAD STYLE	SEAM8 LEAD STYLE	
-05.0	-S02.0	-S05.0
	7.0	10.0

No. OF ROWS	"G"	"H"	"J"
-04	4.30 [0.169]	2.88 [0.113]	1.25 [0.049]
-06	6.30 [0.248]	4.88 [0.192]	2.25 [0.089]
-08 (SEE NOTE 11)	8.30 [0.327]	6.88 [0.271]	2.25 [0.089]
-10 (SEE NOTE 11)	10.30 [0.406]	8.88 [0.350]	2.25 [0.089]

No. OF POS. PER ROW	"A"	"B"	"C"	"D"	"E"	"F"
-10	13.84 [0.545]	10.28 [0.405]	7.20 [0.283]	10.56 [0.416]	9	7.200 [0.2835]
-20	21.84 [0.860]	18.28 [0.720]	15.20 [0.598]	18.56 [0.731]	19	15.200 [0.5984]
-30	29.84 [1.175]	26.28 [1.035]	23.20 [0.913]	26.56 [1.046]	29	23.200 [0.9134]
-40	37.84 [1.490]	34.28 [1.350]	31.20 [1.228]	34.56 [1.361]	39	31.200 [1.2283]
-50	45.84 [1.805]	42.28 [1.665]	39.20 [1.543]	42.56 [1.676]	49	39.200 [1.5433]

**NOTES:**

1.  $\text{C}$  REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSHOUT FORCE: -2 SOLDER COMPOSITION = 1.6N [0.36LBS] & -1/3 SOLDER COMPOSITION = 1.2N [0.27LBS].
3. DIMENSION TO BE MEASURED IN ALL FOUR CORNERS TO THE STAND-OFFS.
4. TAPE & REEL IS STANDARD PACKAGING.
5. NOTE DELETED.
6. NOTE DELETED.
7. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
8. MAXIMUM ROW TO ROW VARIATION 0.08 [0.003], MEASURED FIRST AND LAST POSITIONS ONLY, ALL ROWS.
9. MINIMUM GUIDE POST PUSH OUT FORCE: 4.0LBS [17.8N]
10. CENTER MACHINE LUGS ON -S02.0 -40, -50 POSITIONS ONLY.
11. -08 & -10 ROWS ARE RELEASED FOR NITROGEN ENVIRONMENT PROCESSING ONLY. NOT RECOMMENDED FOR AIR ONLY PROCESSING.
12. NOTE DELETED.
13. NOTE DELETED.
14. K DOT WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
15. MEASURE DIMENSION OFF PEAK OF SOLDER CHARGE END.
16. -STL PLATING AND -GP OPTION ARE NOT STANDARD WITH -FR PACKAGING.
17. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
18. ATTACH LABEL TO EACH REEL.
19. PART CONFIGURATIONS WITH -STL PLATING AND -GP OPTION NEED TO BE SETUP AS AN ASP DUE TO CHARACTER LIMITATIONS.

**FIG 1**  
(SEAM8-30-S02.0-XXX-08-X-XX-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES].

**TOLERANCES ARE:**

DECIMALS ANGLES  
X.X: ±0.3 [0.1]  
X.XX: ±0.13 [0.05]  
X.XXX: ±0.051 [0.020]

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**MATERIAL:** DO NOT SCALE DRAWING  
INSULATOR: LCP, COLOR: BLACK  
TERMINAL: COPPER ALLOY  
GUIDE POST: BRASS

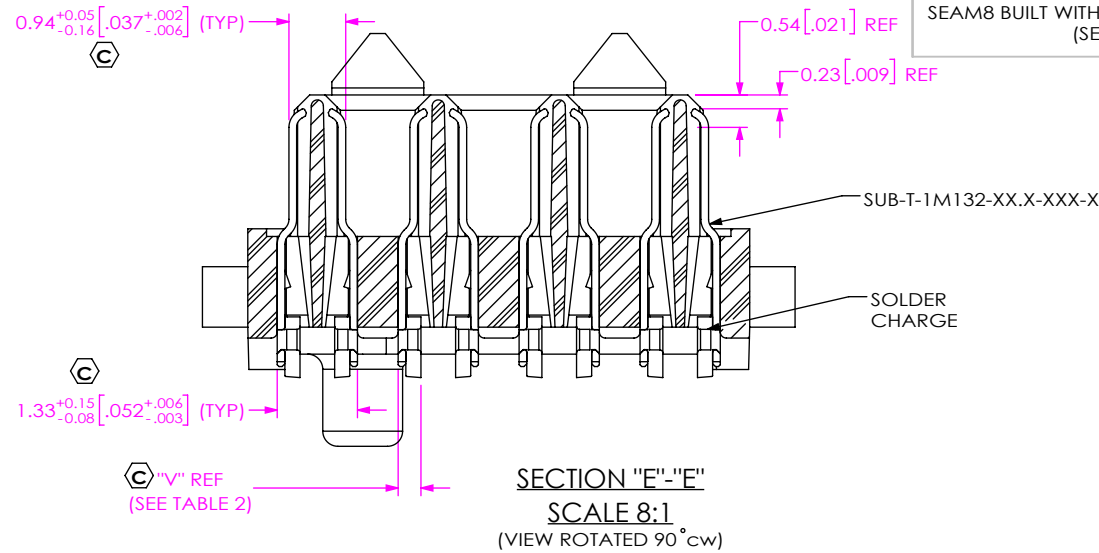
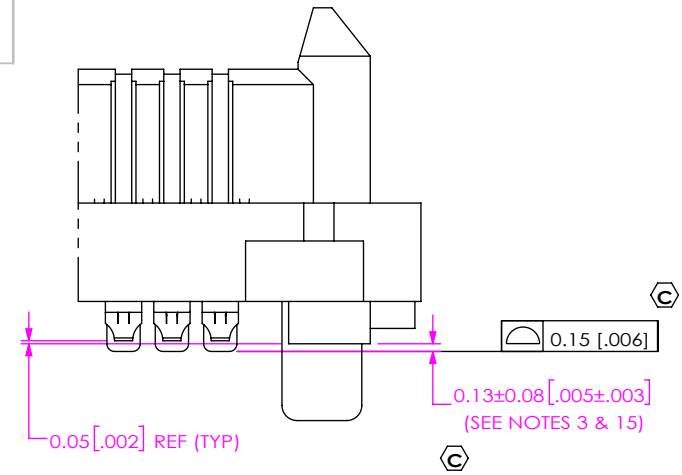
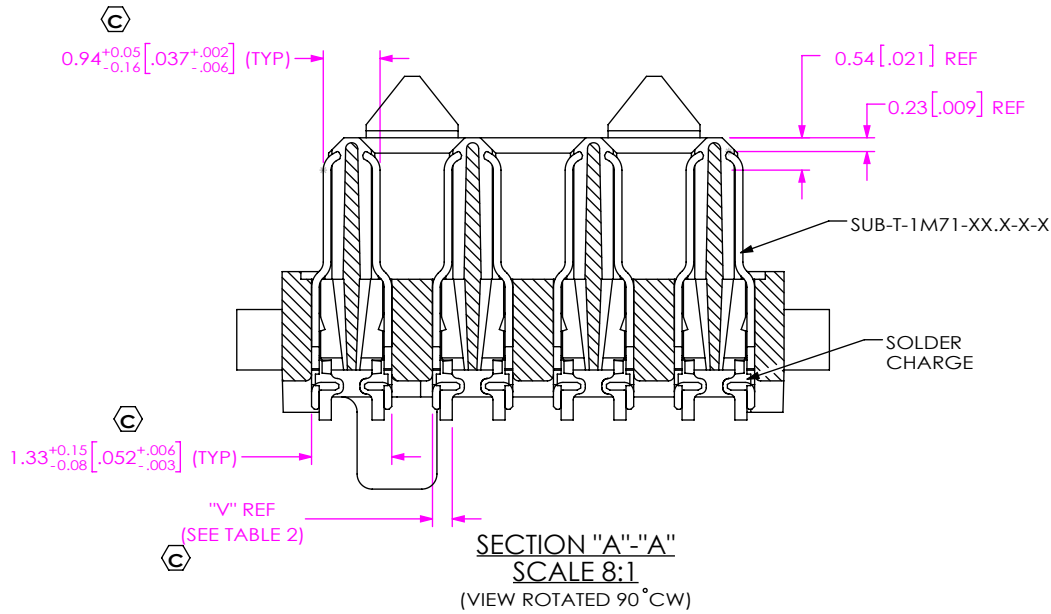
SHEET SCALE: 2:1



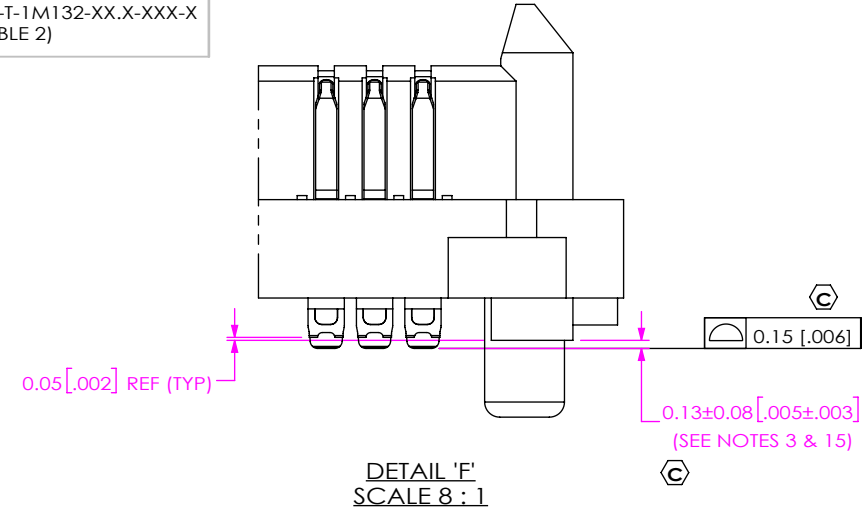
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
**0.8MM PITCH TERMINAL ARRAY ASSY**  
DWG. NO.  
**SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX**  
BY: KNOWLDEN 12/29/08 SHEET 1 OF 5

-2 SOLDER COMPOSITION & STYLE  
SEAM8 BUILT WITH SUB-T-1M71-XX.X-X-X  
(SEE TABLE 2)



-1 & -3 SOLDER COMPOSITION AND STYLE  
SEAM8 BUILT WITH SUB-T-1M132-XX.X-XXX-X  
(SEE TABLE 2)



LEADSTYLE	SOLDER STYLE	ROW	POSITION	SEAM8 ASSY	BODY CALLOUT	TERMINAL SUB ASSY	"V"
-S02.0	-1	ALL	ALL	SEAM8-XX-S02.0-XXX-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M132-02.0-XXX-1	0.38 [0.015]
	-2	-04 THRU -10	-10 THRU -50	SEAM8-XX-S02.0-XXX-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M71-02.0-X-2	0.33 [0.013]
	-3	ALL	ALL	SEAM8-XX-S02.0-XXX-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M132-02.0-X-2	0.38 [0.015]
-S05.0	-1	ALL	ALL	SEAM8-XX-S05.0-XXX-XX-X-XX	SEAM8-XX-S05.0-XX-X	SUB-T-1M132-05.0-XXX-1	0.38 [0.015]
	-2	-04 THRU -10	-10 THRU -50	SEAM8-XX-S05.0-XXX-XX-X-XX	SEAM8-XX-S05.0-XX-X	SUB-T-1M71-05.0-X-2	0.33 [0.013]
	-3	ALL	ALL	SEAM8-XX-S05.0-XXX-XX-X-XX	SEAM8-XX-S05.0-XX-X	SUB-T-1M132-05.0-X-2	0.38 [0.015]

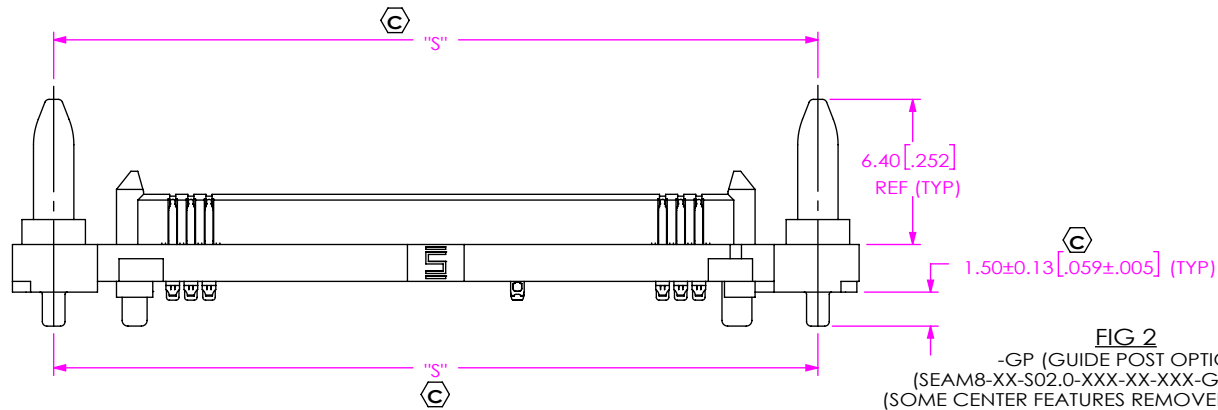
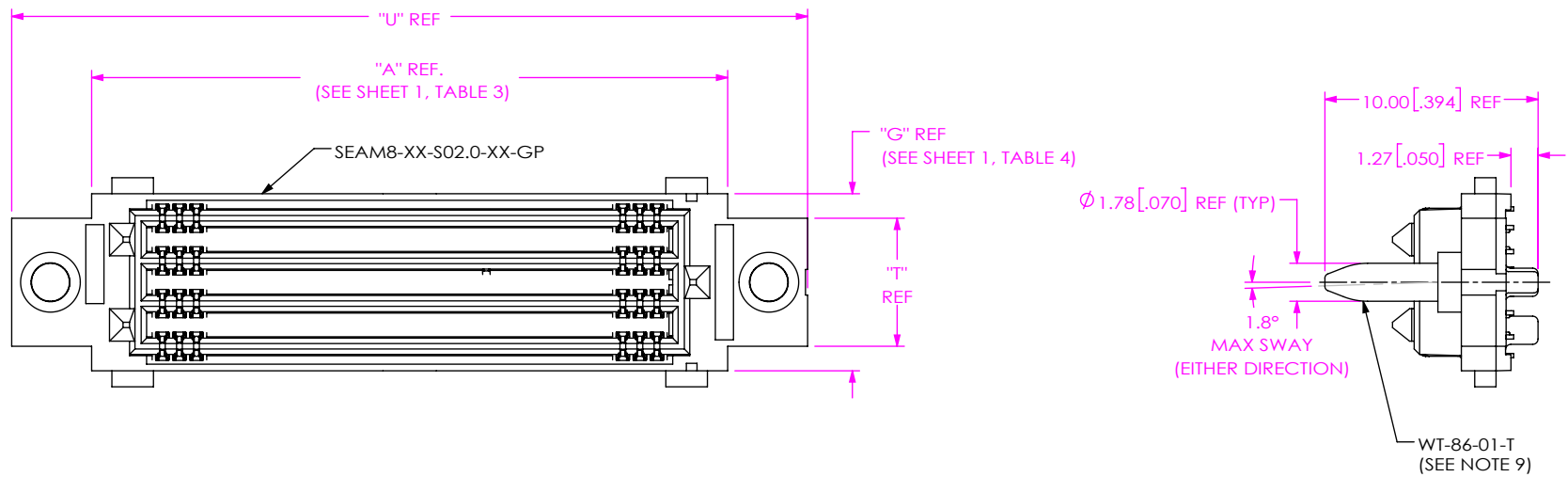
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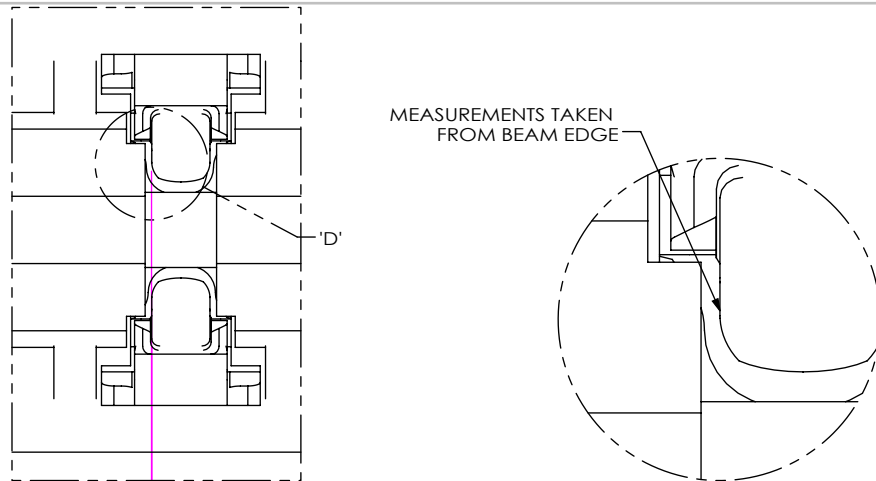
DESCRIPTION:  
0.8MM PITCH TERMINAL ARRAY ASSY  
DWG. NO.  
SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX  
BY: KNOWLDEN 12/29/08 SHEET 2 OF 5



**TABLE 10**

No. OF ROWS	"T"
-04	2.80 [0.110]
-06	4.00 [0.157]
-08 (SEE NOTE 11)	6.00 [0.236]
-10 (SEE NOTE 11)	6.00 [0.236]

**FIG 2**  
-GP (GUIDE POST OPTION)  
(SEAM8-XX-S02.0-XXX-XX-XXX-GP-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



**DETAIL "C"**  
SCALE 35 : 1

**DETAIL "D"**  
SCALE 100 : 1

**TABLE 9**

No. OF POS. PER ROW	"S"	"U"
-10	17.70 [0.697]	21.34 [0.840]
-20	25.70 [1.012]	29.34 [1.155]
-30	33.70 [1.327]	37.34 [1.470]
-40	41.70 [1.642]	45.34 [1.785]
-50	49.70 [1.957]	53.34 [2.100]

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SHEET SCALE: 2:1



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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:  
0.8MM PITCH TERMINAL ARRAY ASSY

DWG. NO.  
**SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX**

BY: KNOWLDEN 12/29/08 SHEET 3 OF 5

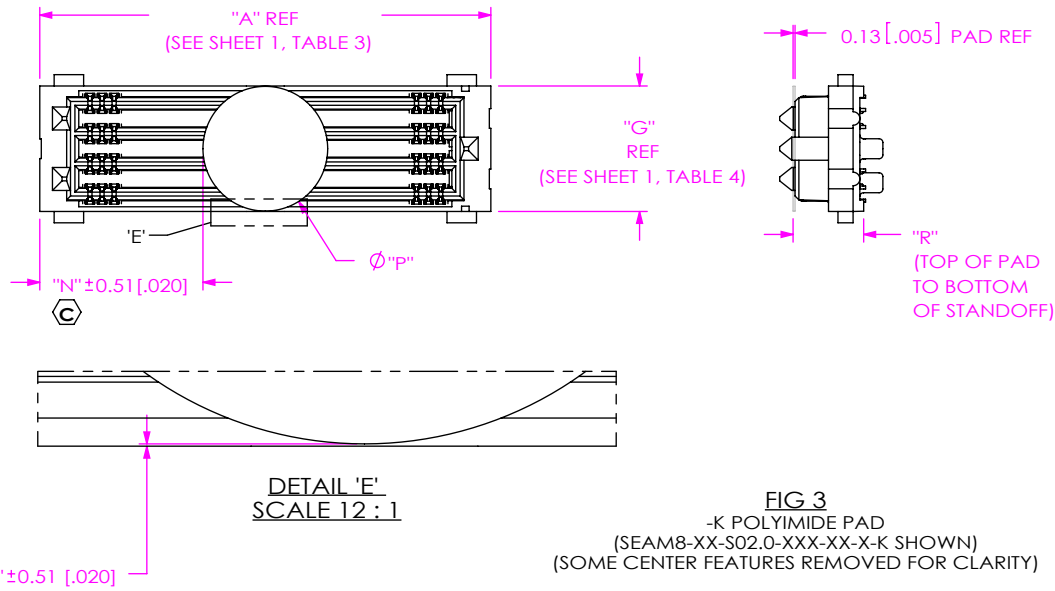


FIG 3  
-K POLYIMIDE PAD  
(SEAM8-XX-S02.0-XXX-XX-X-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 7		
-LEAD STYLE	"R"	
-S02.0	4.67	[0.184]
-S05.0	7.67	[0.302]

TABLE 8	
-No. OF ROWS	K-DOT #
-04	K-DOT-.167-.281-.005
-06	K-DOT-.246-.375-.005
-08 (SEE NOTE 11)	K-DOT-.325-.450-.005
<input checked="" type="checkbox"/> -10 (SEE NOTE 11)	K-DOT-.404-.500-.005

= FOR 10 POSITION ONLY USE K-DOT-.325-.450-.005

-No. OF ROWS	Ø "P"	"N"					"S"
		10 Pos.	20 Pos.	30 Pos.	-40 Pos	-50 Pos.	
-04	4.25 [0.167]	4.80 [0.189]	8.80 [0.346]	12.80 [0.504]	16.80 [0.661]	20.80 [0.819]	.025 [0.001]
-06	6.25 [0.246]	3.80 [0.149]	7.80 [0.307]	11.80 [0.464]	15.80 [0.622]	19.80 [0.779]	.026 [0.001]
-08 (SEE NOTE 11)	8.25 [0.325]	2.80 [0.110]	6.80 [0.268]	10.80 [0.425]	14.80 [0.582]	18.80 [0.740]	.025 [0.001]
<input checked="" type="checkbox"/> -10 (SEE NOTE 11)	10.26 [0.404]	2.80 [0.110]	5.79 [0.228]	9.79 [0.385]	13.79 [0.543]	17.79 [0.700]	.020 [0.001]

= FOR 10 POSITION ONLY, Ø "P" = 8.25 [0.325], "S" = 1.025 [0.040]

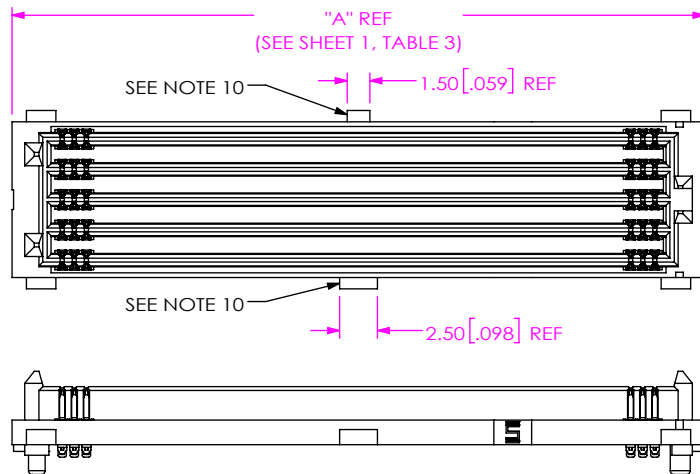


FIG 4  
(SEAM8-50-S02.0-XXX-10-X-XX-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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	<p>DESCRIPTION: 0.8MM PITCH TERMINAL ARRAY ASSY</p>
	<p>DWG. NO. SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX</p>
	<p>BY: KNOWLDEN 12/29/08 SHEET 4 OF 5</p>

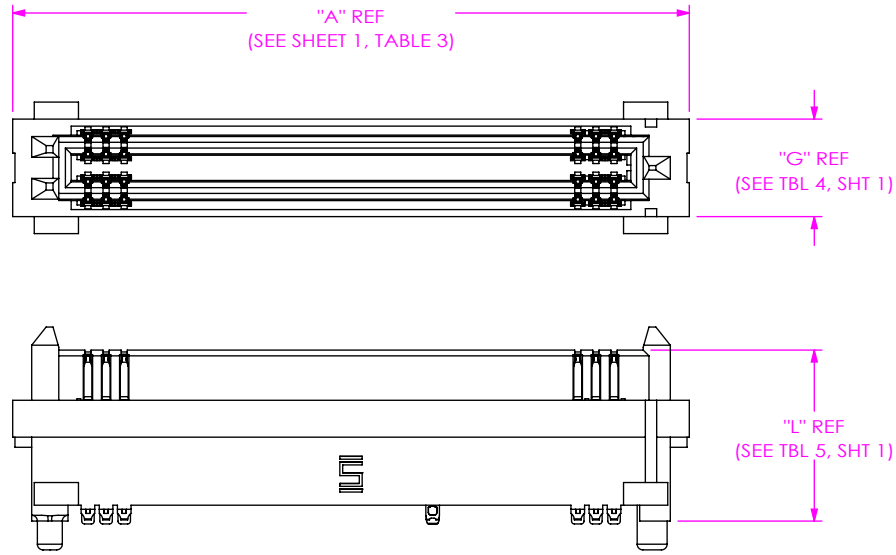


FIG 5  
(SEAM8-30-S05.0-XXX-04-X-XX-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

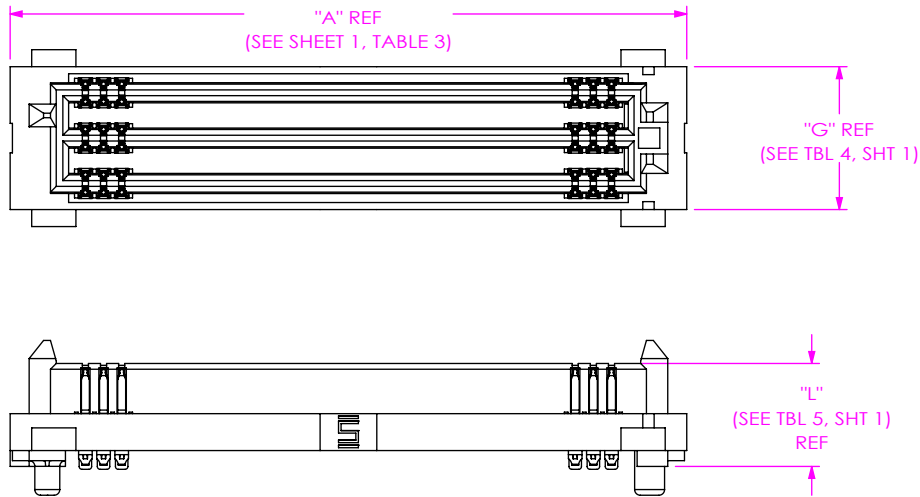


FIG 6  
(SEAM8-30-S02.0-XXX-06-X-XX-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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DESCRIPTION:	0.8MM PITCH TERMINAL ARRAY ASSY
DWG. NO.	SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX
BY:	KNOWL DEN 12/29/08 SHEET 5 OF 5