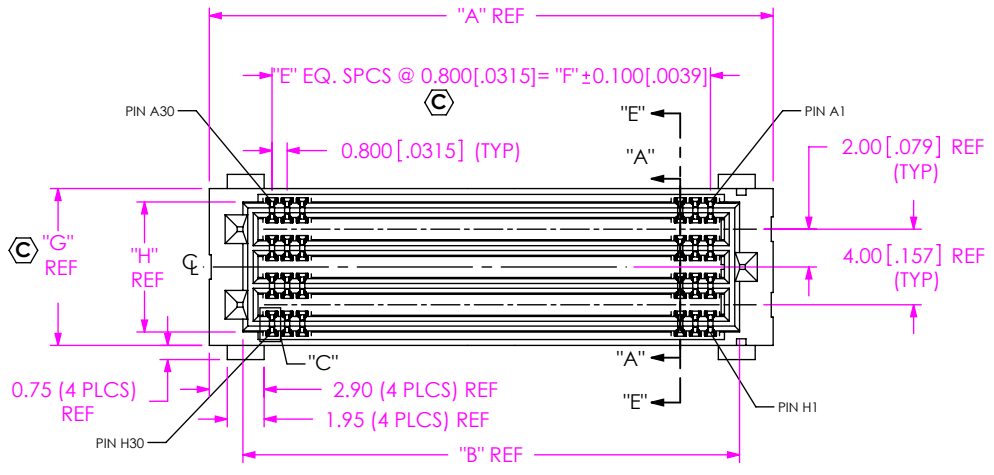


**DESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]**

PATENT NUMBER  
7837522  
ADDITIONAL PATENTS  
PENDING

**SEAM8-XX-SXX.X-X-XX-X-XX-K**

DO NOT  
SCALE FROM  
THIS PRINT



No OF POSITIONS  
-10, -20, -30, -40, -50, \*\*\*-60  
(PER ROW)

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

K DOT  
(SEE SHT 4, FIG. 3) (SEE NOTE 14)  
DOT APPLICATOR-KAPTON TAPE

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

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)

ROW  
-04: 4 ROWS  
-06: 6 ROWS  
-08: 8 ROWS (SEE NOTE 11)  
-10: 10 ROWS (SEE NOTE 11)  
\*\*-12: 12 ROWS (SEE NOTE 13)

SOLDER COMPOSITION & STYLE (C)  
\*\*-1: 63.0% TIN / 37.0% LEAD CHARGE TAIL  
(USE SUB-T-1M132-XX-X-X-1)  
-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)

(\* = NOT TOOLED)  
(\*\* = NOT ENGINEERING APPROVED)  
(\*\*\* = NOT ENGINEERING APPROVED,  
NOT TOOLED FOR -04, -06 & -08 ROWS)

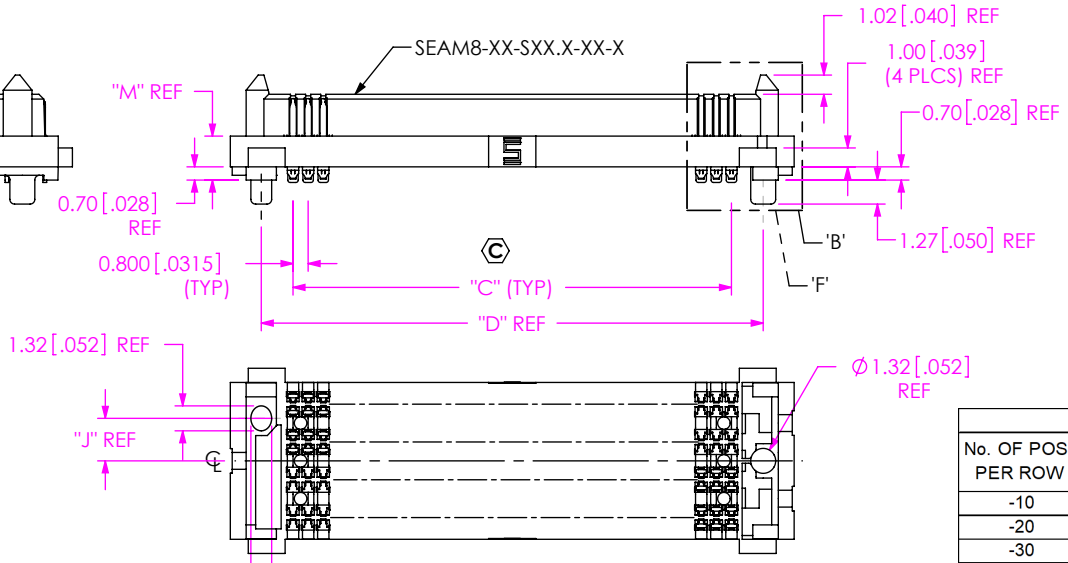
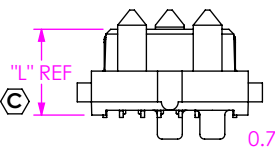
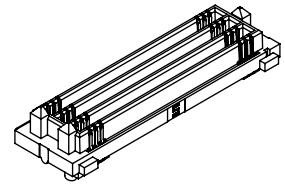


TABLE 5		
-LEAD STYLE	"L"	"M"
-S02.0	4.54 [0.179]	2.33 [0.092]
-S05.0	7.54 [0.297]	5.33 [0.210]

TABLE 1		
STACK HEIGHT		
SEAF8 LEAD STYLE	SEAM8 LEAD STYLE	
-S02.0	-S02.0	-S05.0
-05.0 [0.197]	7.0 [0.276]	10.0 [0.394]

TABLE 4			
-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]
** -12	12.30 [0.484]	10.88 [0.428]	2.25 [0.089]

(\*\* = NOT ENGINEERING APPROVED)

TABLE 3						
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]
***-60	53.84 [2.120]	50.28 [1.980]	47.20 [1.858]	50.56 [1.991]	59	47.200 [1.8583]

(\*\*\* = NOT ENGINEERING APPROVED, NOT TOOLED FOR -04, -06 & -08 ROWS)

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

- NOTES:
1. (C) REPRESENTS A CRITICAL DIMENSION.
  2. MINIMUM PUSHOUT FORCE: 1.6N [.36 LBS].
  3. DIMENSION TO BE MEASURED IN ALL FOUR CORNERS TO THE STAND-OFFS.
  4. TAPE & REEL IS STANDARD PACKAGING.
  5. FOR QUANTITIES UP TO 49 PCS., NO LEADER, TRAILER OR REEL WILL BE SUPPLIED.
  6. FOR QUANTITIES OF 50-124 PCS., NO LEADER OR TRAILER WILL BE SUPPLIED, SPLICES MAY BE PRESENT.
  7. DELETED NOTE
  8. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
  9. MAXIMUM ROW TO ROW VARIATION 0.08 [.003], MEASURED FIRST AND LAST POSITIONS ONLY, ALL ROWS.
  10. MINIMUM GUIDE POST PUSH OUT FORCE: 4.0LBS [17.8N]
  11. CENTER MACHINE LUGS ON -S02.0 -40, -50 & -60 POSITIONS ONLY.
  12. -08 & -10 ROWS ARE RELEASED FOR NITROGEN ENVIRONMENT PROCESSING ONLY.
  13. NOT RECOMMENDED FOR AIR ONLY PROCESSING.
  14. NOTE DELETED.
  15. ONLY TOOLED ON -S02.0 LEAD STYLE AND ONLY AVAILABLE IN -50 & -60 POSITIONS.
  16. K DOT WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
  17. MEASURE DIMENSION OFF PEAK OF SOLDER CHARGE END.

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

TOLERANCES ARE:

DECIMALS ANGLES  
X.X: ±0.3 [.01] 2°  
X.XX: ±0.13 [.005]  
X.XXX: ±0.051 [.0020]

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: LCP, COLOR: BLACK  
TERMINAL: COPPER ALLOY  
GUIDE POST: BRASS

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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

DESCRIPTION:  
0.8MM PITCH TERMINAL ARRAY ASSY

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

BY: KNOWLDEN 12/29/08 SHEET 1 OF 4

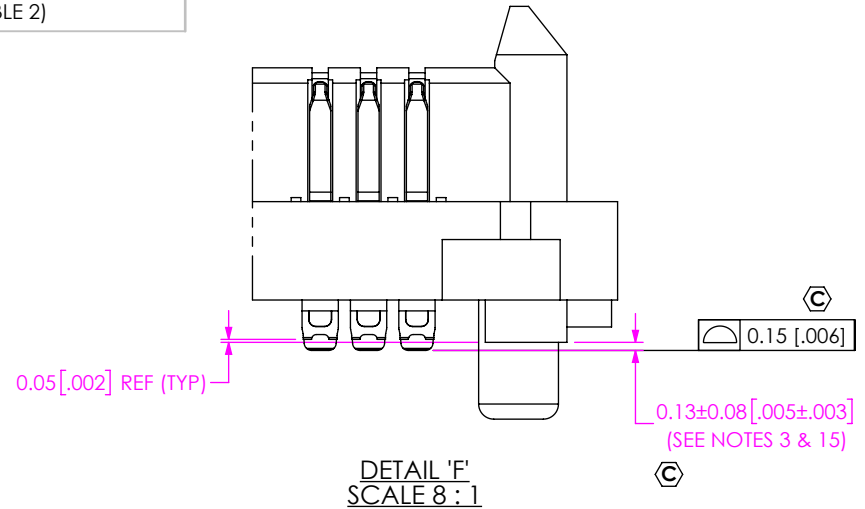
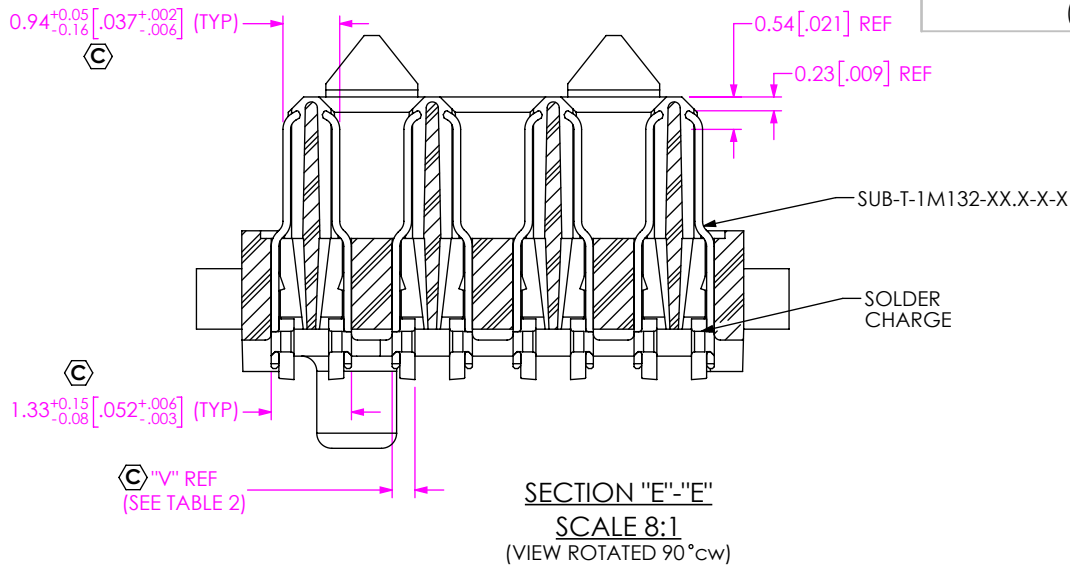
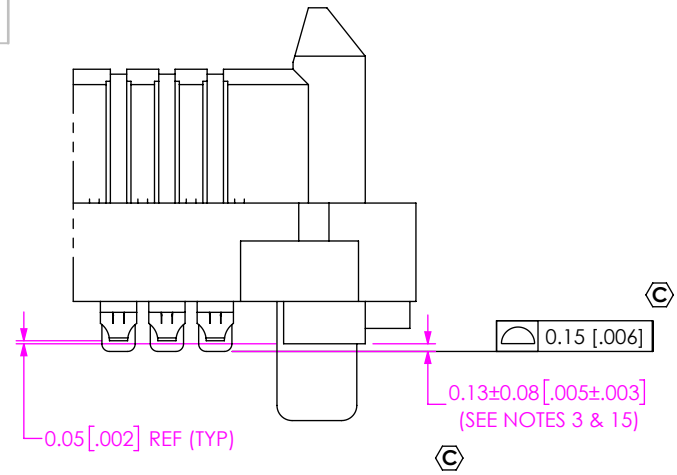
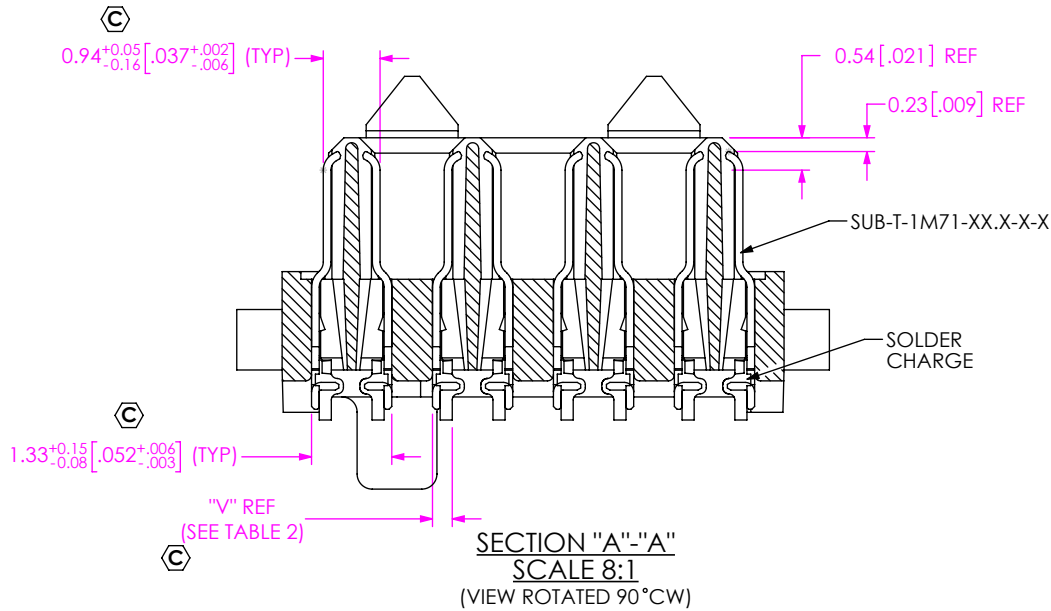


TABLE 2							
LEAD STYLE	SOLDER STYLE	ROW	POSITION	SEAM8 ASSY	BODY CALLOUT	TERMINAL SUB ASSY "V"	
-S02.0	**1	ALL	ALL	SEAM8-XX-S02.0-X-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M132-02.0-X-1	0.38
	-2	-04 THRU -10	-10 THRU -50	SEAM8-XX-S02.0-X-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M71-02.0-X-2	0.33
	**3	ALL	ALL	SEAM8-XX-S02.0-X-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M132-02.0-X-2	0.38
-S05.0	**1	ALL	ALL	SEAM8-XX-S05.0-X-XX-X-XX	SEAM8-XX-S05.0-XX-X	SUB-T-1M132-05.0-X-1	0.38
	-2	-04 THRU -10	-10 THRU -50	SEAM8-XX-S05.0-X-XX-X-XX	SEAM8-XX-S05.0-XX-X	SUB-T-1M71-05.0-X-2	0.33
	**3	ALL	ALL	SEAM8-XX-S05.0-X-XX-X-XX	SEAM8-XX-S05.0-XX-X	SUB-T-1M132-05.0-X-2	0.38

(\*\* = NOT ENGINEERING APPROVED)

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

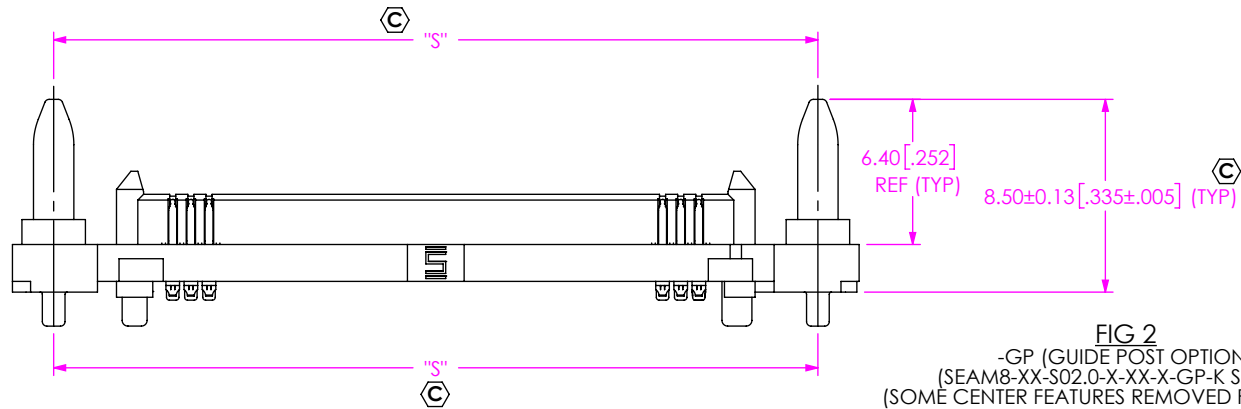
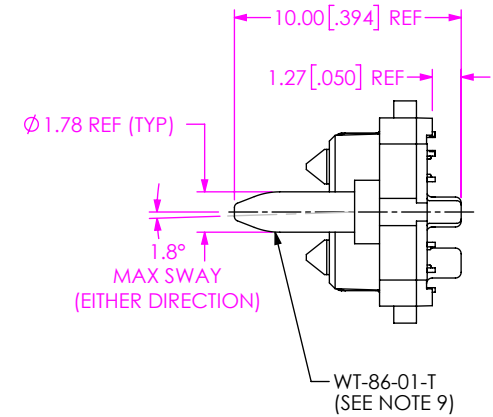
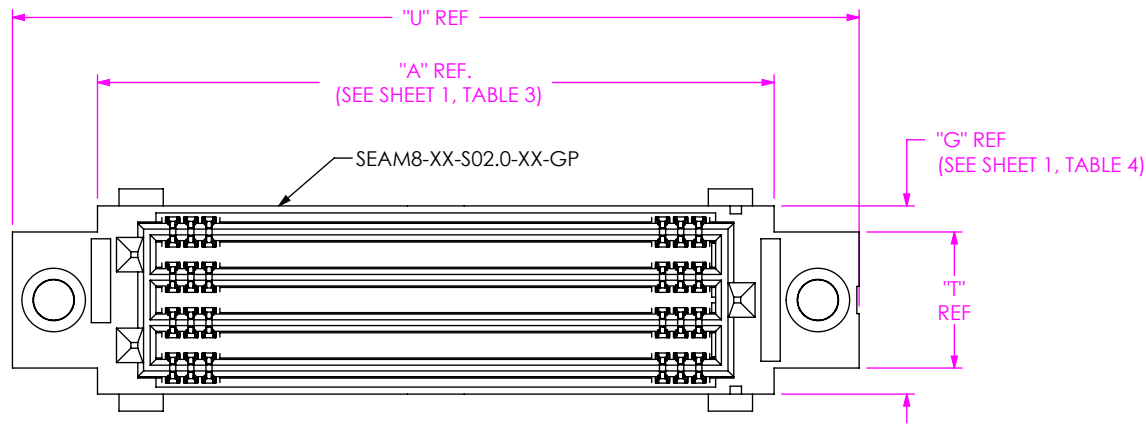


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
0.8MM PITCH TERMINAL ARRAY ASSY

DWG. NO.  
SEAM8-XX-SXX.X-X-XX-X-XX-K

BY: KNOWLDEN 12/29/08 SHEET 2 OF 4

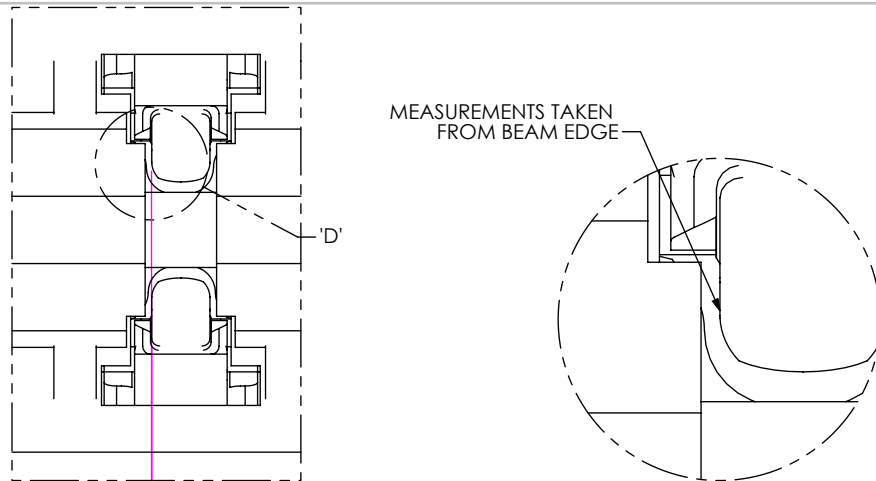


**TABLE 10**

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]
** -12	6.00 [0.236]

(\* = NOT TOOLED)  
(\*\* = NOT ENGINEERING APPROVED)

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



Ⓢ 0.10 [.004] MAX  
(MEASURE FROM BEAM EDGES)

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]
***-60	57.70 [2.272]	61.34 [2.415]

(\*\*\* = NOT ENGINEERING APPROVED,  
NOT TOOLED FOR -04, -06 & -08 ROWS)

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

**samtec**

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-X-XX-X-XX-K**

BY: KNOWLDEN 12/29/08 SHEET 3 OF 4

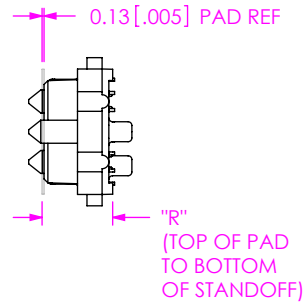
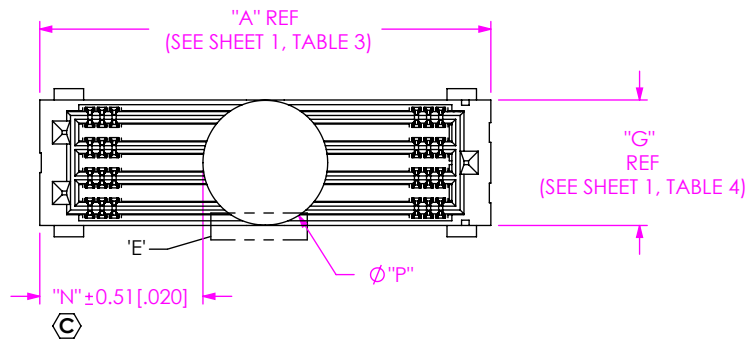


TABLE 7		
-LEAD STYLE	"R"	
-S02.0	4.67	[0.184]
-S05.0	7.67	[0.302]

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
** -12	K-DOT-.460-.550-.005

(\*\* = NOT ENGINEERING APPROVED)

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

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

-No. OF ROWS	Ø "P"	"N"						"S"
		10 Pos.	20 Pos.	30 Pos.	-40 Pos.	-50 Pos.	-60 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]	24.80 [0.976]	.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]	23.80 [0.937]	.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]	22.80 [0.897]	.025 [0.001]
<input 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]	21.79 [0.858]	.020 [0.001]
** -12	11.68 [0.460]	1.08 [0.043]	5.08 [0.200]	9.08 [0.357]	13.08 [0.515]	17.08 [0.672]	21.08 [0.830]	.310 [0.012]

(\*\* = NOT ENGINEERING APPROVED)

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

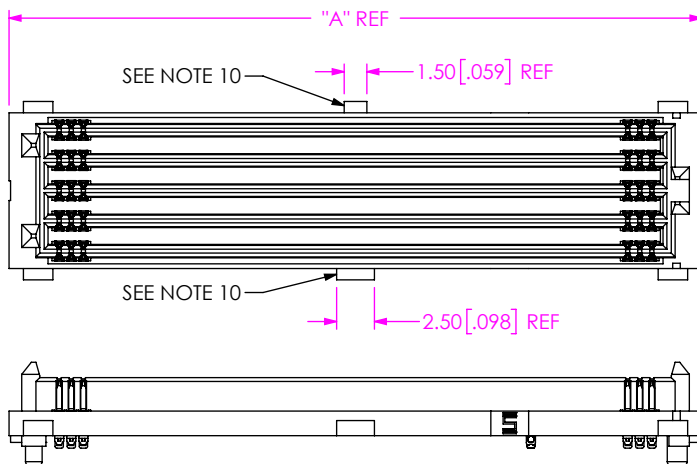


FIG 4  
(SEAM8-50-S02.0-X-10-X-XX-K SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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