

DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]DO NOT
SCALE FROM
THIS PRINT

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

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 (C)

-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

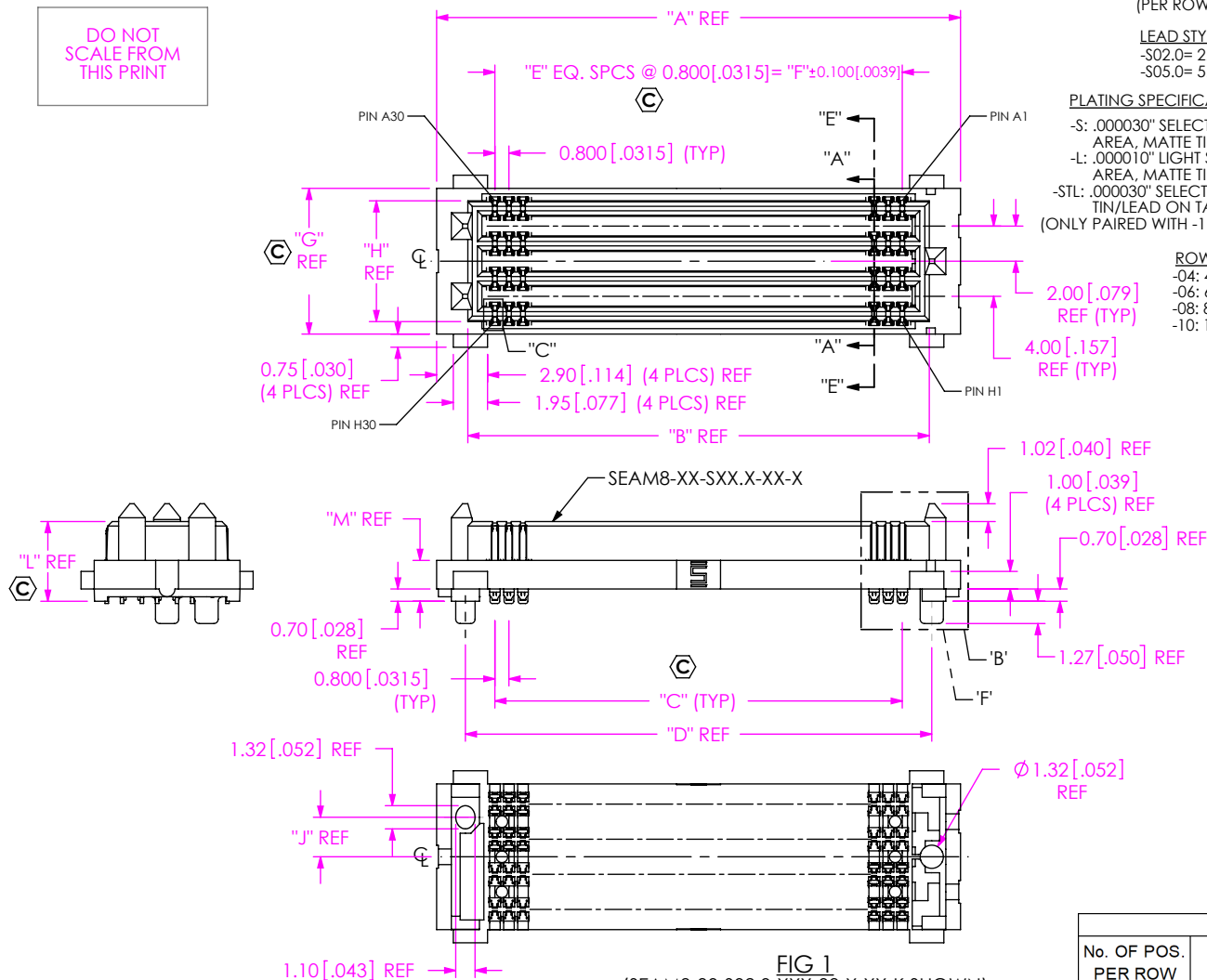


FIG 1
 (SEAM8-30-S02.0-XXX-08-X-XX-K SHOWN)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

NOTES:

1. (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.

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	-S05.0
-05.0	7.0	10.0

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]

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]

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

TOLERANCES ARE:

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

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

SHEET SCALE: 2:1

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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 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)

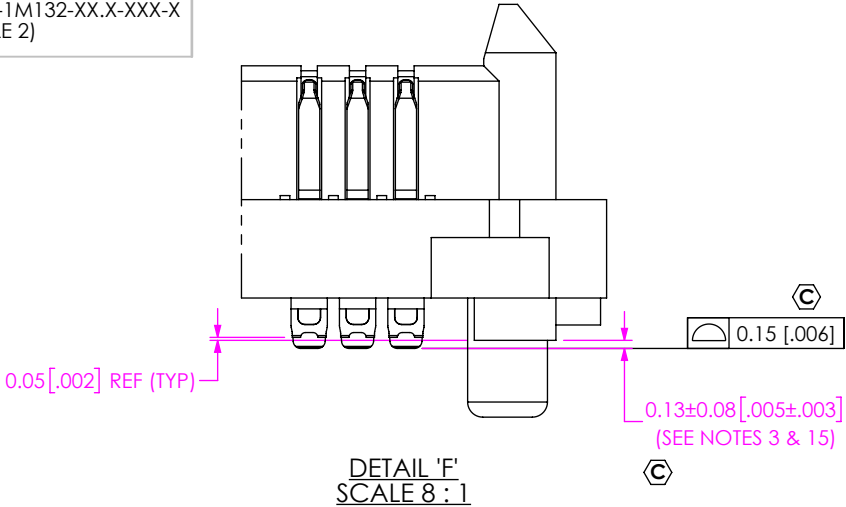
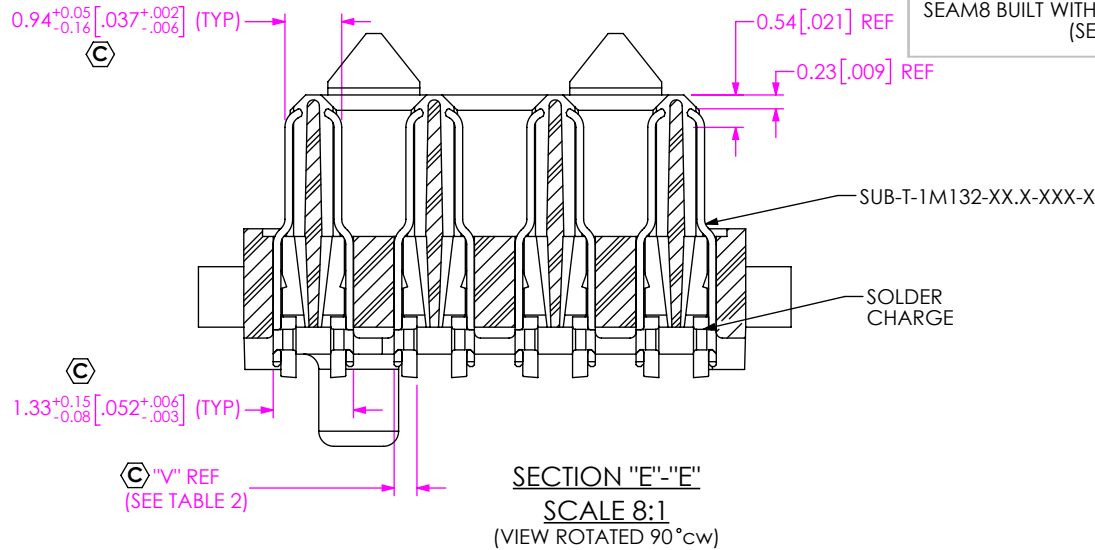
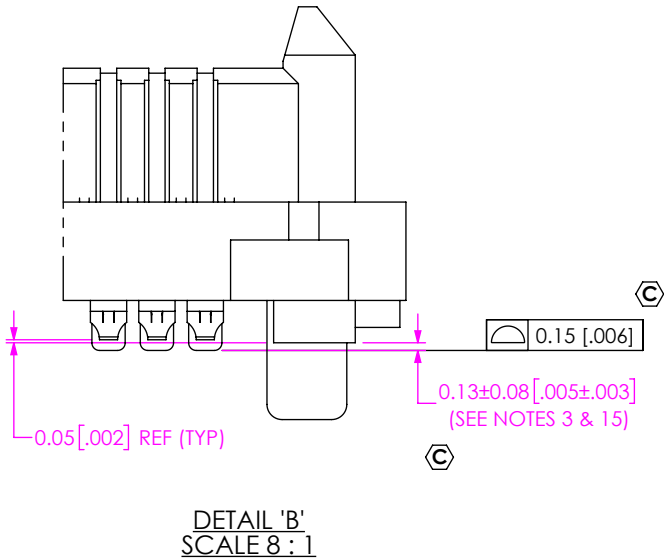
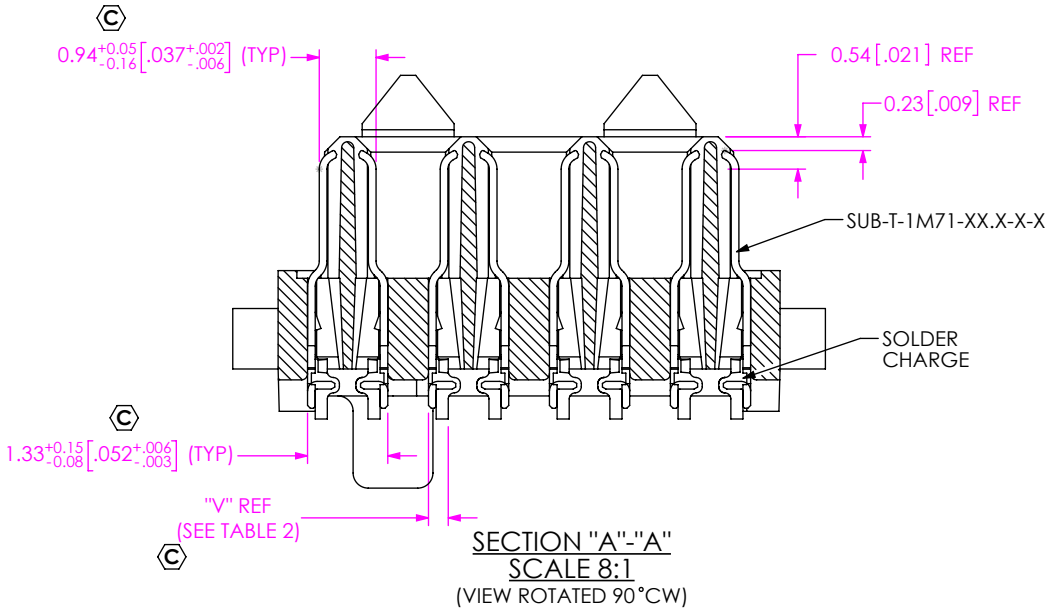


TABLE 2							
LEADSTYLE	SOLDER STYLE	ROW	POSITION	SEAM8 ASSY	BODY CALLOUT	TERMINAL SUB ASSY	"V"
-S02.0	-1	ALL	ALL	SEAM8-XX-S02.0-XXX-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M132-02.0-XXX-1	0.38 [0.015]
	-2	-04 THRU -10	-10 THRU -50	SEAM8-XX-S02.0-XXX-XX-X-XX	SEAM8-XX-S02.0-XX-X	SUB-T-1M71-02.0-X-2	0.33 [0.013]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

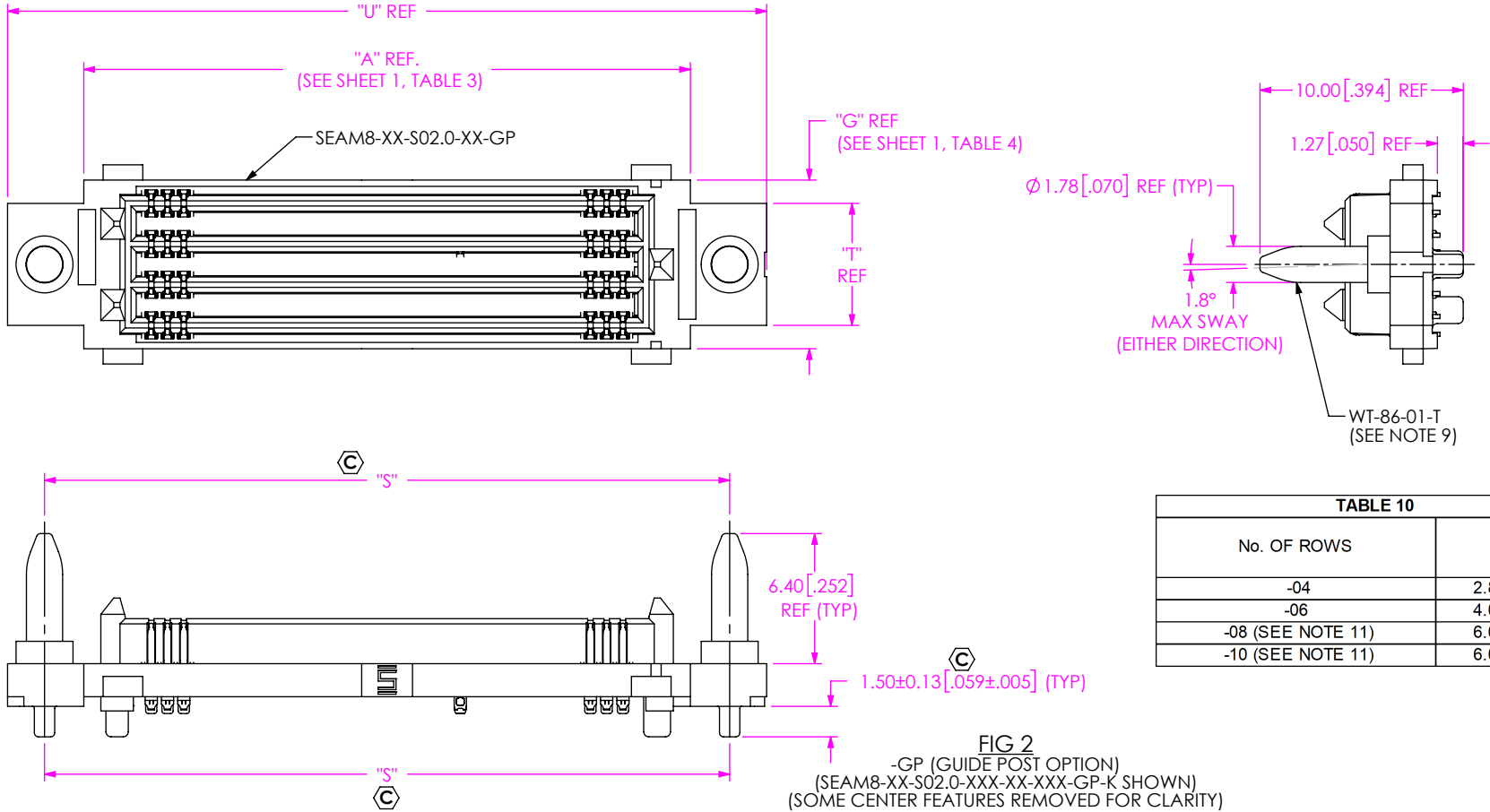
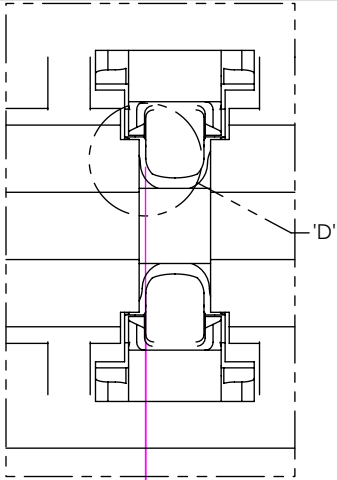
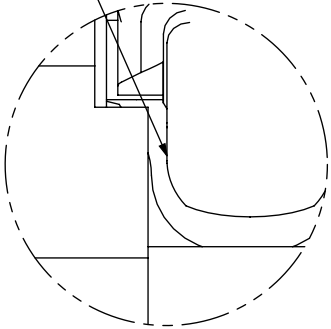


TABLE 10	
No. OF ROWS	"T"
-04	2.80 [0.110]
-06	4.00 [0.157]
-08 (SEE NOTE 11)	6.00 [0.236]
-10 (SEE NOTE 11)	6.00 [0.236]

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]



MEASUREMENTS TAKEN FROM BEAM EDGE



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

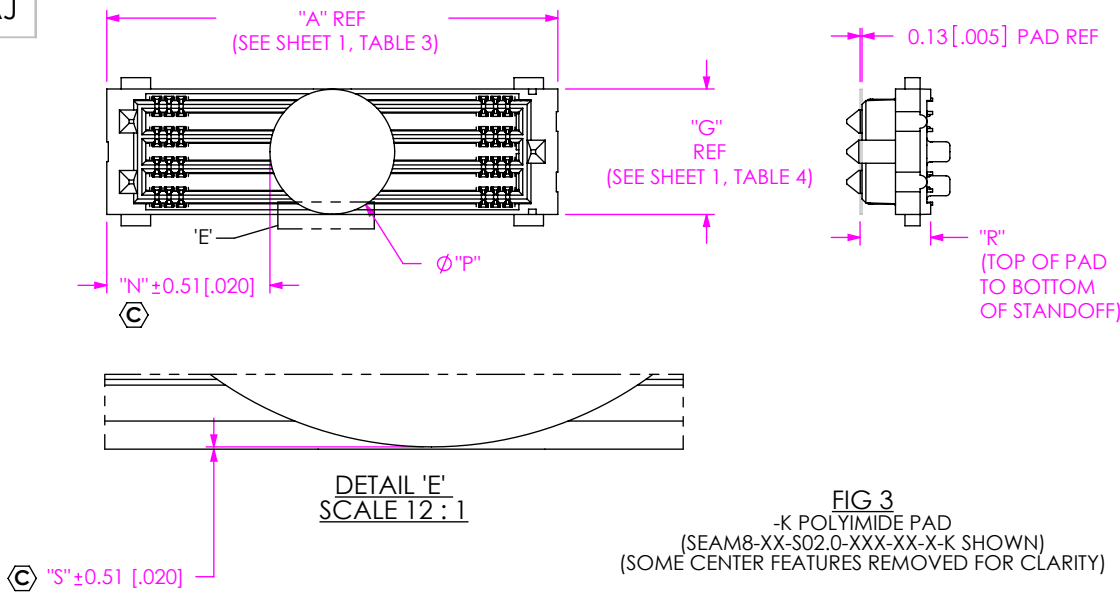


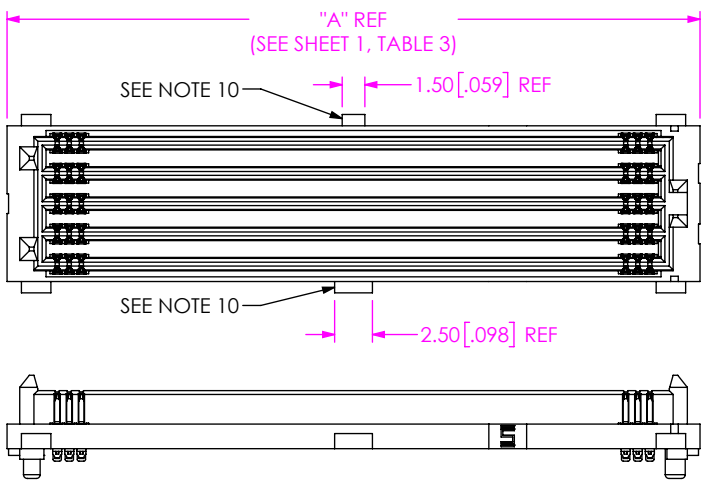
TABLE 7		
-LEAD STYLE	"R"	
-S02.0	4.67	[0.184]
-S05.0	7.67	[0.302]

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

TABLE 6								
-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]



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BY: KNOWLDEN 12/29/08 SHEET 4 OF 5

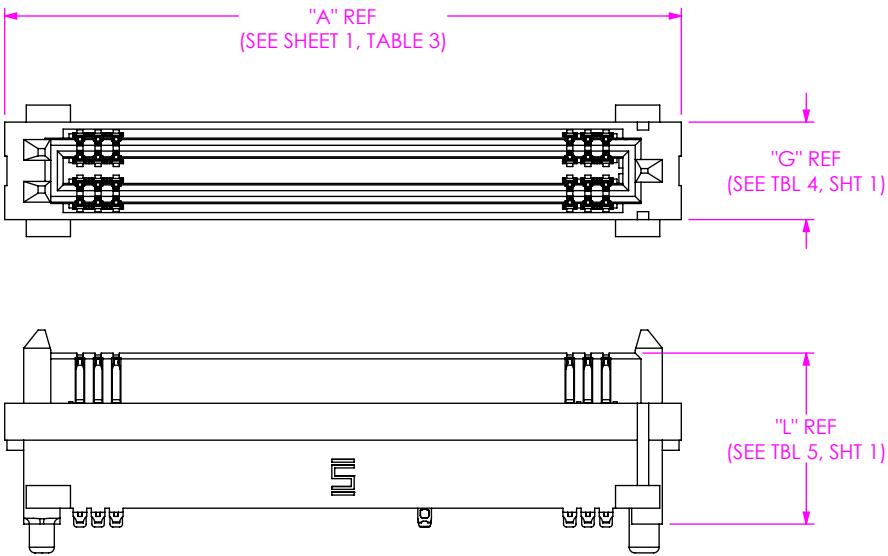


FIG 5
(SEAM8-30-S05.0-XXX-04-X-XX-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

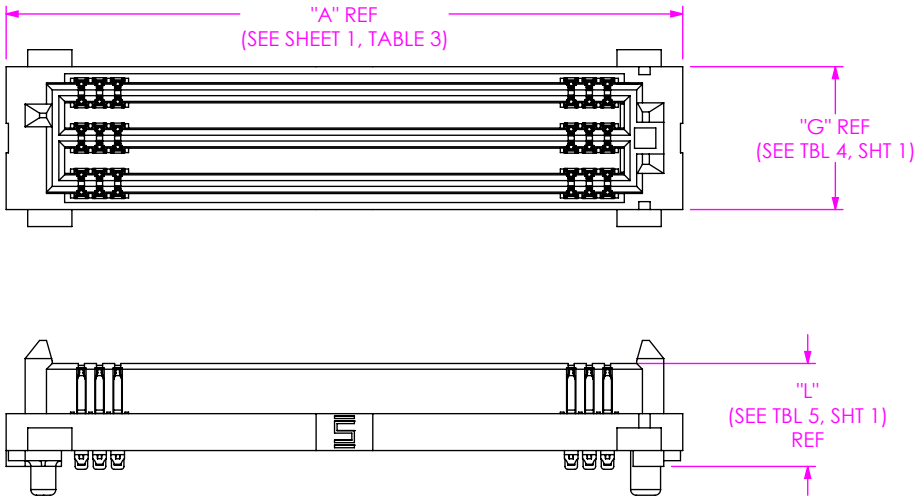



FIG 6
(SEAM8-30-S02.0-XXX-06-X-XX-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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	DWG. NO. SEAM8-XX-SXX.X-XXX-XX-X-XX-X-XX
	BY: KNOWLDEN 12/29/08 SHEET 5 OF 5