

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

SEAF8-XX-05.0-XXX-XX-X-X-XX

PACKAGING

BLANK: TAPE & REEL
(SEE NOTES 4 & 13)
-FR: FULL REEL QTY TAPE & REEL
(SEE NOTES 13 & 14)

K DOT

*K: KAPTON (SEE NOTE 11)
KAPTON STANDARD WITH OR WITHOUT
-K (SEE SHT 3, FIG 2)

SOLDER COMPOSITION & STYLE

-1: 63.0% TIN / 37.0% LEAD CHARGE TAIL
(USE SUB-C-472-05.0-STL-1)
(ONLY AVAILABLE WITH -STL PLATING)
*2: 95.5% TIN / 3.8% SILVER/0.7% COPPER
CHARGE TAIL
(USE SUB-C-265-05.0-X-2)
-3: 95.5% TIN / 3.8% SILVER/0.7% COPPER
CHARGE TAIL
(USE SUB-C-472-05.0-X-2)

(*= FOR EXISTING CUSTOMERS ONLY)

No. OF POSITIONS
-10, -20, -30, -40, -50
(PER ROW)

LEAD STYLE
-05.0= 5mm

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
(ONLY PAIRED WITH -1
SOLDER COMPOSITION & STYLE)

ROW

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

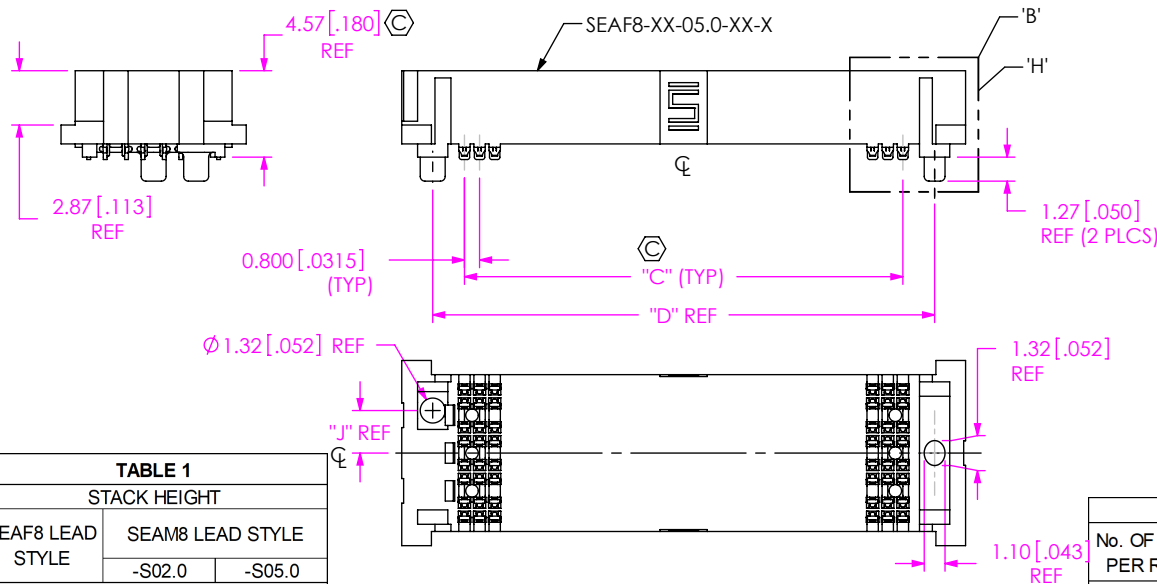
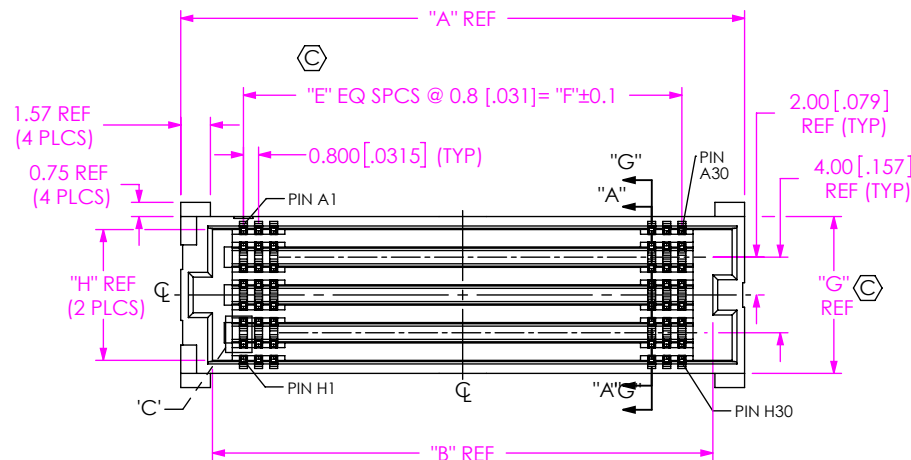


FIG 1

(SEAF8-30-05.0-XXX-08-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 3					
-No. OF ROWS	"G"	"H"	"J"	"Q"	
-04	4.30 [0.169]	2.92 [0.115]	1.25 [0.049]	N/A	
-06	6.30 [0.248]	4.92 [0.194]	2.25 [0.089]	N/A	
-08	8.30 [0.327]	6.92 [0.272]	2.25 [0.089]	N/A	
-10	10.30 [0.406]	8.92 [0.351]	2.25 [0.089]	10.46 [0.412]	

TABLE 2						
No. OF POS. PER ROW	"A"	"B"	"C"	"D"	"E"	"F"
-10	13.84 [0.545]	10.48 [0.413]	7.20 [0.283]	10.56 [0.416]	9	7.200 [0.2835]
-20	21.84 [0.860]	18.48 [0.728]	15.20 [0.598]	18.56 [0.731]	19	15.200 [0.5984]
-30	29.84 [1.175]	26.48 [1.043]	23.20 [0.913]	26.56 [1.046]	29	23.200 [0.9134]
-40	37.84 [1.490]	34.48 [1.357]	31.20 [1.228]	34.56 [1.361]	39	31.200 [1.2283]
-50	45.84 [1.805]	42.48 [1.672]	39.20 [1.543]	42.56 [1.676]	49	39.200 [1.5433]

TABLE 1

STACK HEIGHT

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

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSH OUT 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-OFF.
4. TAPE & REEL IS STANDARD PACKAGING.
5. NOTE DELETED.
6. NOTE DELETED.
7. NOTE DELETED.
8. MAXIMUM ROW TO ROW VARIATION 0.08 [.003], MEASURED FIRST AND LAST POSITIONS ONLY, ALL ROWS.
9. CENTER MACHINE LUGS ON -40, -50 & -60 POSITIONS ONLY.
10. 8 & 10 ROWS ARE RELEASED FOR NITROGEN ENVIRONMENT PROCESSING ONLY. NOT RECOMMENDED FOR AIR ONLY PROCESSING.
11. K DOT WILL BE SUPPLIED WHETHER OR NOT -K IS SPECIFIED.
12. MEASURE DIMENSION OFF PEAK OF SOLDER CHARGE END.
13. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
14. ATTACH LABEL TO EACH REEL.

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:

INSULATOR: LCP, COLOR BLACK
CONTACT: COPPER ALLOY

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:

0.8MM PITCH SOCKET ARRAY ASSY

DWG. NO.

SEAF8-XX-05.0-XXX-XX-X-X-XX

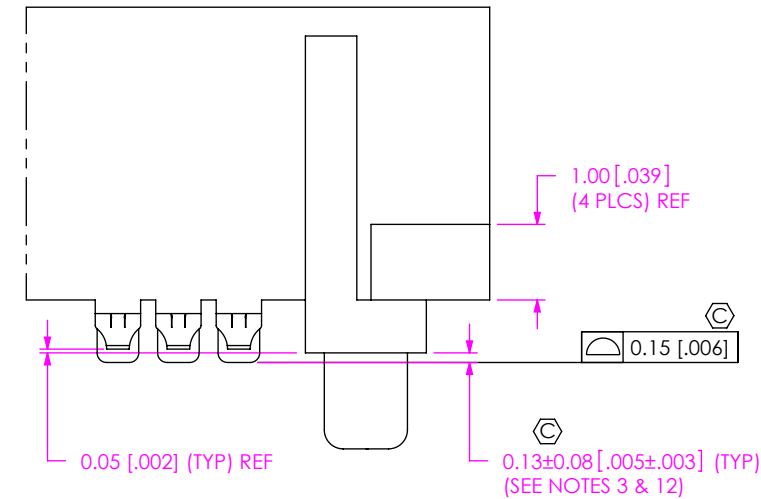
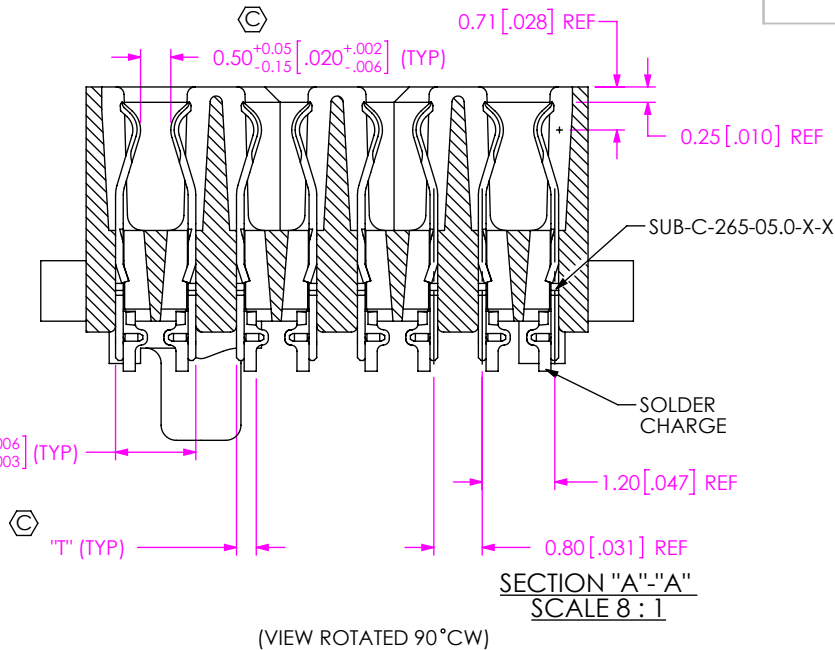
BY: M MURILLO 01/09/09 SHEET 1 OF 4

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samtec

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

-2 SOLDER COMPOSITION & STYLE
SEAF8 BUILT WITH SUB-C-265-05.0-X-X
(SEE TABLE 6)



-1 & -3 SOLDER COMPOSITION & STYLE
SEAF8 BUILT WITH SUB-C-472-05.0-XXX-X
(SEE TABLE 6)

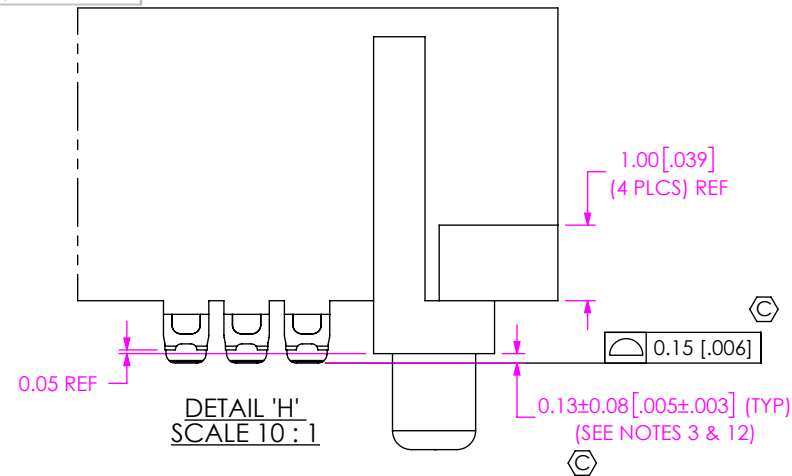
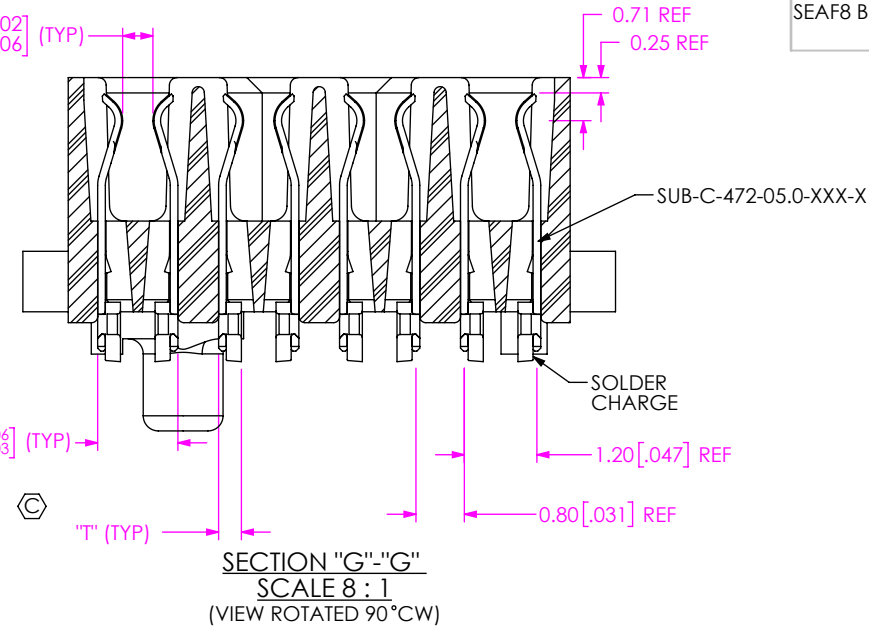


TABLE 6				
SOLDER STYLE	ROW	POSITION	CONTACT SUB ASSY	"T"
-1	ALL	ALL	SUB-C-472-05.0-XXX-1	0.38 [.015]
-2	-04 THRU -10	-10 THRU -50	SUB-C-265-05.0-X-2	0.33 [.013]
-3	ALL	ALL	SUB-C-472-05.0-XXX-2	0.38 [.015]

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SHEET SCALE: 2:1



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DESCRIPTION:
0.8MM PITCH SOCKET ARRAY ASSY

DWG. NO.
SEAF8-XX-05.0-XXX-XX-X-X-XX

BY: M MURILLO 01/09/09 SHEET 2 OF 4

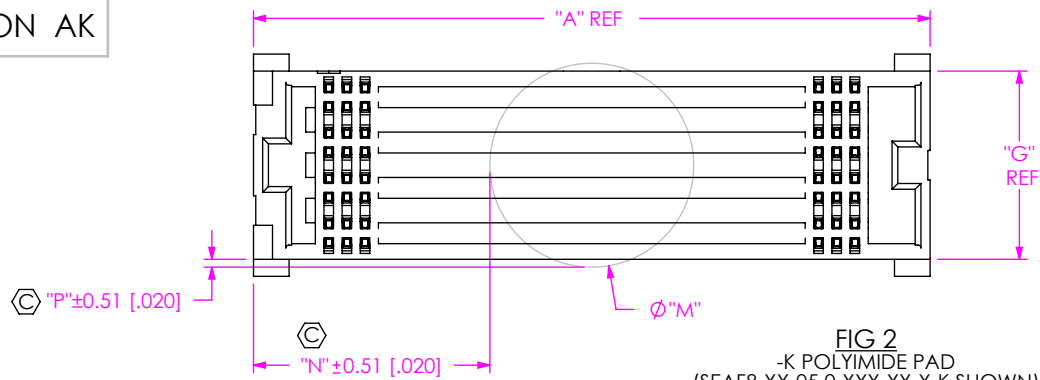


FIG 2
-K POLYIMIDE PAD
(SEAF8-XX-05.0-XXX-XX-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

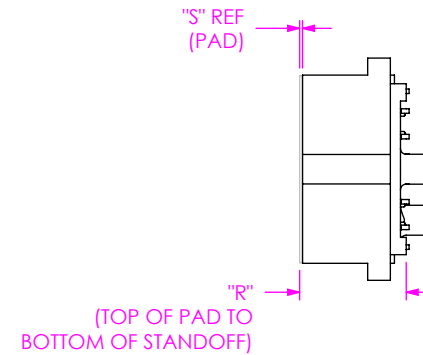


TABLE 5		
-No. OF ROWS	K-DOT #	"S"
-04	K-DOT-.217-.313-.005	0.13 [.005]
-06	K-DOT-.295-.406-.005	0.13 [.005]
-08	K-DOT-.354-.469-.005	0.13 [.005]
-10	K-DOT-.460-.550-.005	0.13 [.005]

TABLE 4								
-No. OF ROWS	Ø "M"	"N"					"P"	"R"
		10 POS	20 POS	30 POS	40 POS	50 POS		
-04	5.51 [.217]	4.17 [.164]	8.17 [.321]	12.17 [.479]	16.17 [.636]	20.17 [.794]	0.61 [.024]	4.70 [.185]
-06	7.49 [.295]	3.18 [.125]	7.18 [.282]	11.18 [.440]	15.18 [.597]	19.18 [.755]	0.60 [.023]	4.70 [.185]
-08	8.99 [.354]	2.43 [.095]	6.43 [.253]	10.43 [.410]	14.43 [.568]	18.43 [.725]	0.35 [.014]	4.70 [.185]
-10	11.68 [.460]	1.08 [.043]	5.08 [.200]	9.08 [.357]	13.08 [.515]	17.08 [.672]	0.69 [.027]	4.70 [.185]

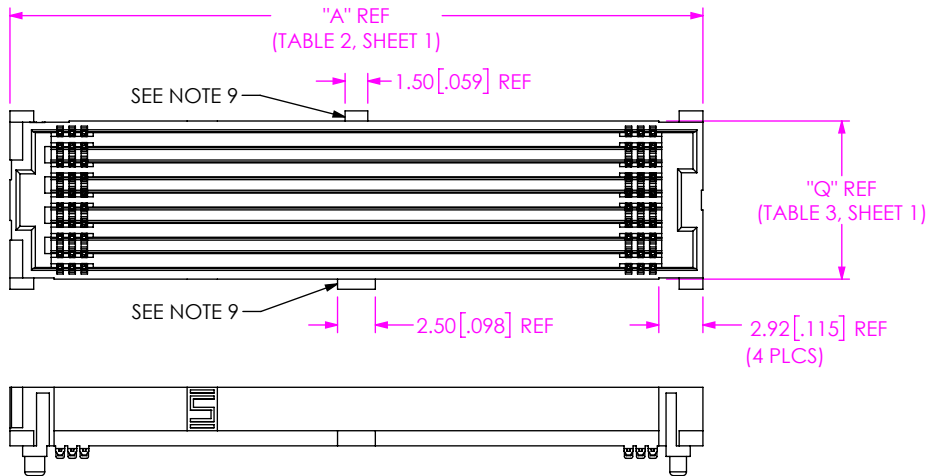
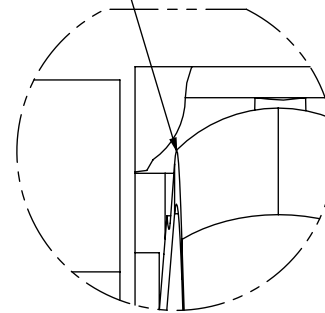
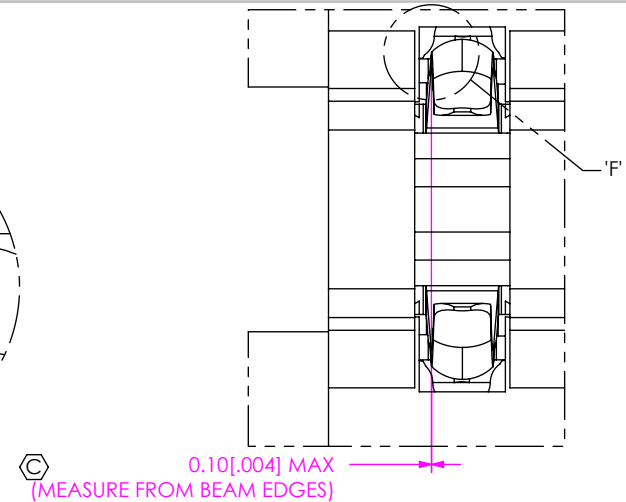


FIG 3
(SEAF8-50-05.0-XXX-10-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 1, EXCEPT AS SHOWN)

MEASUREMENTS TAKEN
AT EDGE OF CONTACT



DETAIL 'F'
SCALE 100 : 1



F:\DWG\MISC\MKTG\SEAF8-XX-05.0-XXX-XX-X-K-MKT.SLDDRW

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DESCRIPTION:
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BY: M MURILLO 01/09/09 SHEET 3 OF 4

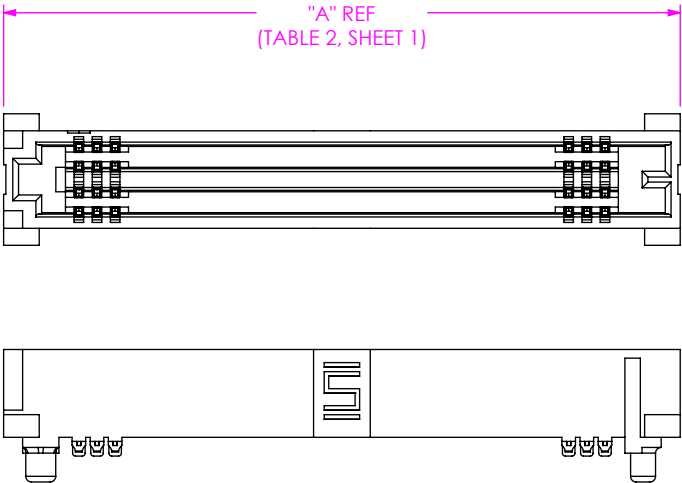


FIG 4
(SEAF8-30-05.0-XXX-04-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 1, EXCEPT AS SHOWN)

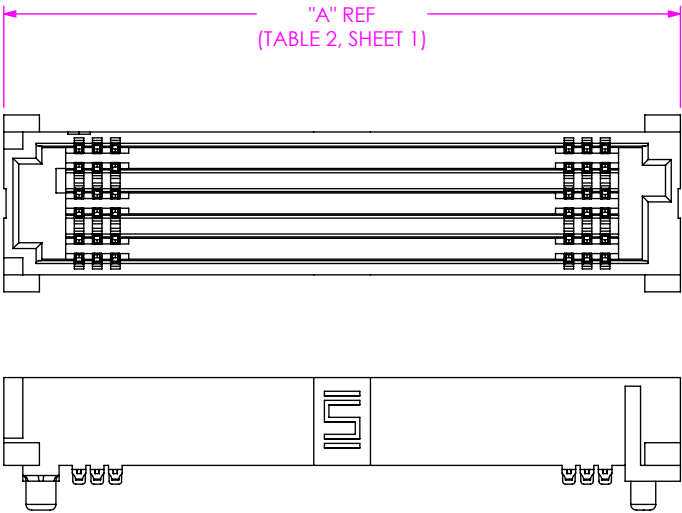


FIG 5
(SEAF8-30-05.0-XXX-06-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 1, EXCEPT AS SHOWN)

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BY: M MURILLO 01/09/09 SHEET 4 OF 4	