REVISION Z

DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

SEAF8-XX-05.0-X-XX-X-K

No OF POSITIONS
-10, -20, -30, -40, -50, ***-60
(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

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

K DOT
(SEE SHT 3, FIG 2)(SEE NOTE 11)
DOT APPLICATOR-KAPTON TAPE

SOLDER COMPOSITION & STYLE Ⓒ
**-1: 63.0% TIN / 37.0% LEAD CHARGE TAIL (USE SUB-C-472-05.0-X-1)
-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)

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

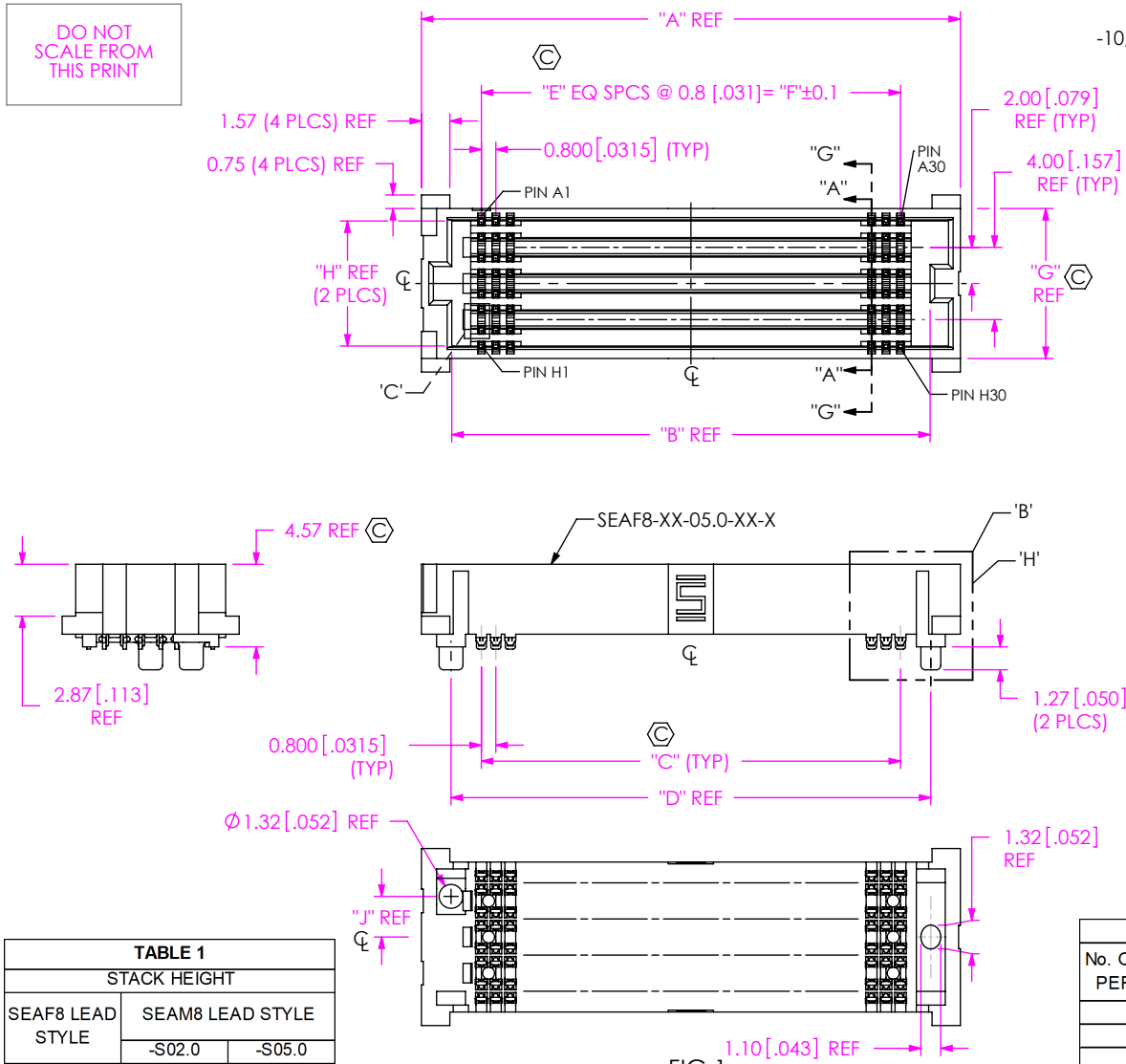
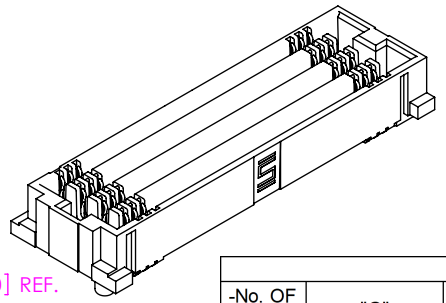


FIG 1
(SEAF8-30-05.0-X-XX-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)



PATENT NUMBER 7837522, ADDITIONAL PATENTS PENDING

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]
**-12	12.30 [0.484]	10.92 [0.430]	2.25 [0.089]	12.46 [0.491]

(** = NOT ENGINEERING APPROVED)

TABLE 1

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

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 [0.283]
-20	21.84 [0.860]	18.48 [0.728]	15.20 [0.598]	18.56 [0.731]	19	15.200 [0.598]
-30	29.84 [1.175]	26.48 [1.043]	23.20 [0.913]	26.56 [1.046]	29	23.200 [0.913]
-40	37.84 [1.490]	34.48 [1.357]	31.20 [1.228]	34.56 [1.361]	39	31.200 [1.228]
-50	45.84 [1.805]	42.48 [1.672]	39.20 [1.543]	42.56 [1.676]	49	39.200 [1.543]
***-60	53.84 [2.120]	50.48 [1.987]	47.20 [1.858]	50.56 [1.991]	59	47.200 [1.858]

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

NOTES:

1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. MINIMUM PUSH OUT FORCE 1.6N [0.36 LBS.]
3. DIMENSION TO BE MEASURED IN ALL FOUR CORNERS TO THE STAND-OFF.
4. TAPE & REEL WILL BE SUPPLIED WHETHER OR NOT -TR IS SPECIFIED.
5. FOR QUANTITIES UP TO 49 PCS., NO LEADER, TRAILER OR REEL WILL BE SUPPLIED, FOR QUANTITIES OF 50-124 PCS., NO LEADER OR TRAILER WILL BE SUPPLIED, SPLICES MAY BE PRESENT.
6. NOTE DELETED.
7. ATTACH LABEL "SEAX-0001" TO EACH TAPE & REEL PACKAGE.
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.

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

TOLERANCES ARE:

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

ANGLES
2 °

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SHEET SCALE: 2:1

MATERIAL:
INSULATOR: LCP, COLOR BLACK
CONTACT: COPPER ALLOY

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 SOCKET ARRAY ASSY

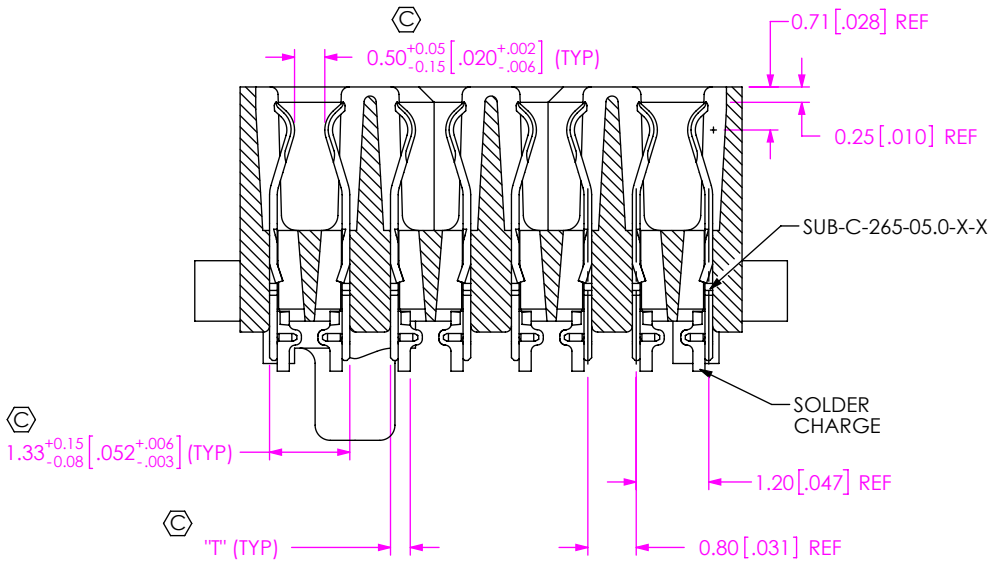
DWG. NO.
SEAF8-XX-05.0-X-XX-X-K

BY: M MURILLO 01/09/09 SHEET 1 OF 3

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

REVISION Z

SEAF8 BUILT WITH SUB-C-265-05.0-X-X
(SEE TABLE 6)



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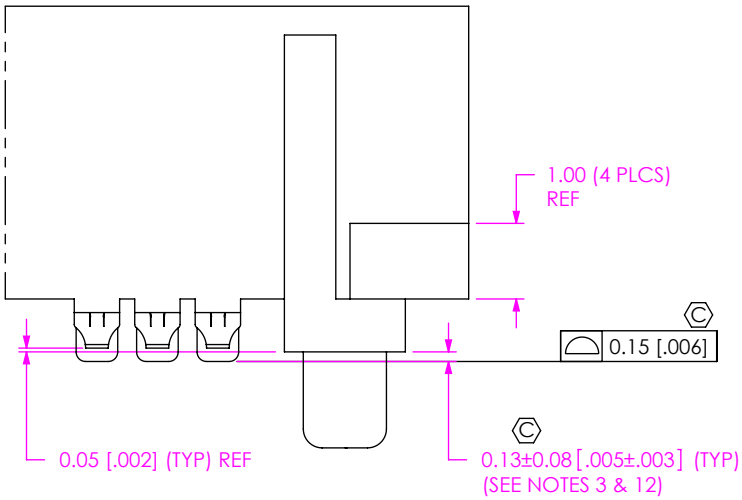
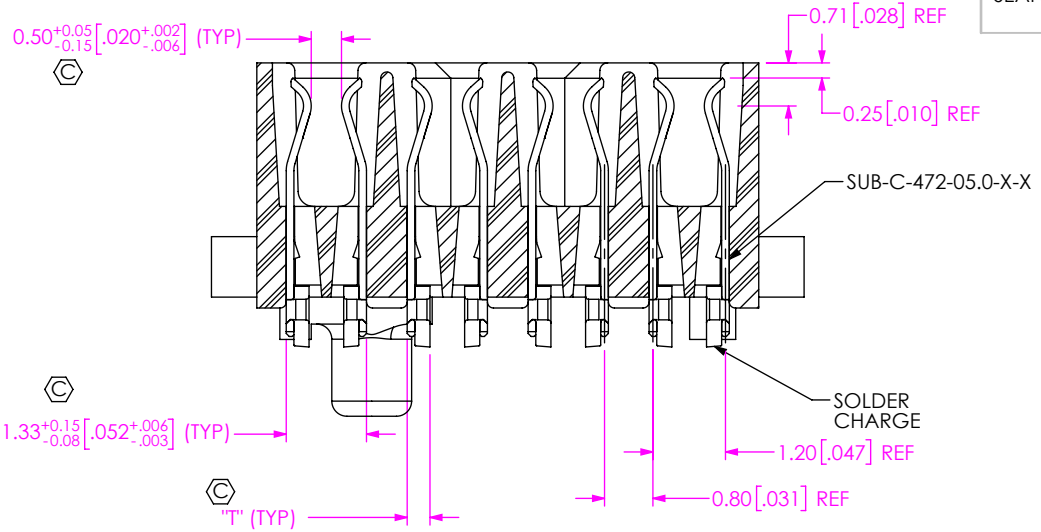


SEAF8 BUILT WITH SUB-C-472-05.0-X-X
(SEE TABLE 6)



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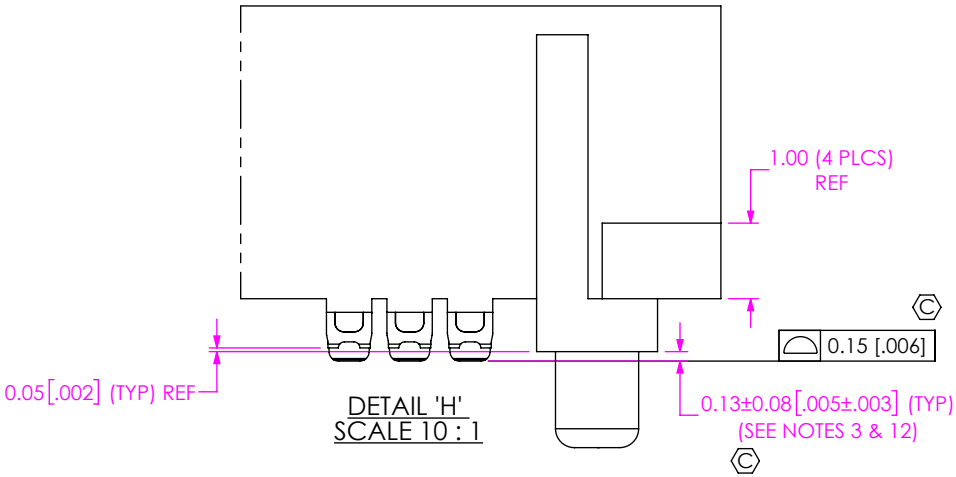
(VIEW ROTATED 90°CW)



DETAIL 'H'
SCALE 10 : 1

TABLE 6				
SOLDER STYLE	ROW	POSITION	CONTACT SUB ASSY	"T"
**-1	ALL	ALL	SUB-C-472-05.0-X-1	0.38
-2	-04 THRU -10	-10 THRU -50	SUB-C-265-05.0-X-2	0.33
**-3	ALL	ALL	SUB-C-472-05.0-X-2	0.38

**=NOT ENGINEERING APPROVED

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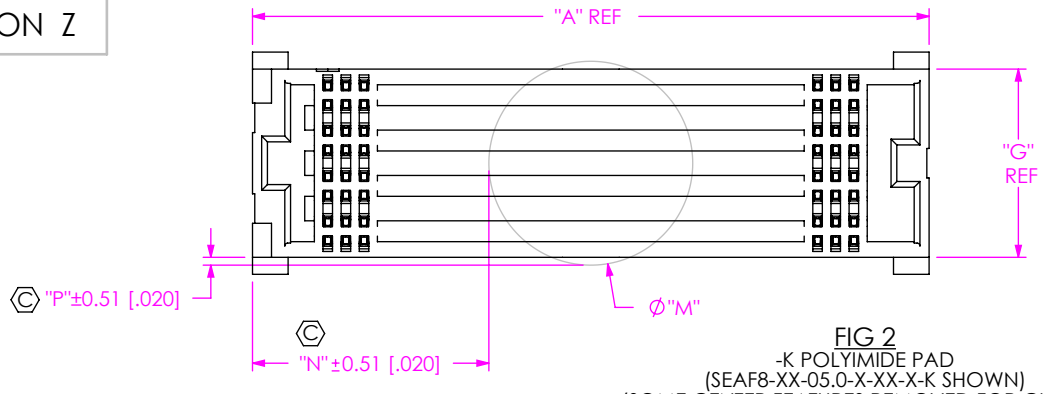
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
0.8MM PITCH SOCKET ARRAY ASSY

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

BY: M MURILLO 01/09/09 SHEET 2 OF 3

REVISION Z



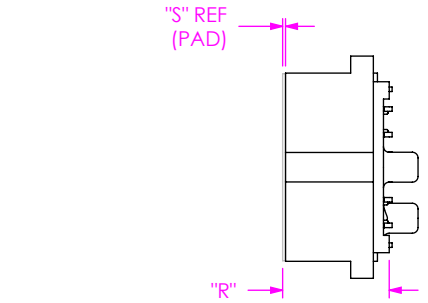


FIG 2
-K POLYIMIDE PAD
(SEAF8-XX-05.0-X-XX-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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]
**-12	K-DOT-.551-625-.010	0.25 [.010]

(** = NOT ENGINEERING APPROVED)

TABLE 4

-No. OF ROWS	Ø "M"	"N" 10 POS	"N" 20 POS	"N" 30 POS	"N" 40 POS	"N" 50 POS	"N" 60 POS	"P"	"R"
-04	5.51 [.217]	4.17 [.164]	8.17 [.321]	12.17 [.479]	16.17 [.636]	20.17 [.794]	24.17 [.951]	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]	23.18 [.912]	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]	22.43 [.883]	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]	21.08 [.830]	0.69 [.027]	4.70 [.185]
**-12	13.99 [.551]	0.08 [.003]	3.92 [.154]	7.93 [.312]	11.93 [.469]	15.93 [.627]	19.93 [.784]	0.85 [.033]	4.83 [.190]

(** = NOT ENGINEERING APPROVED)

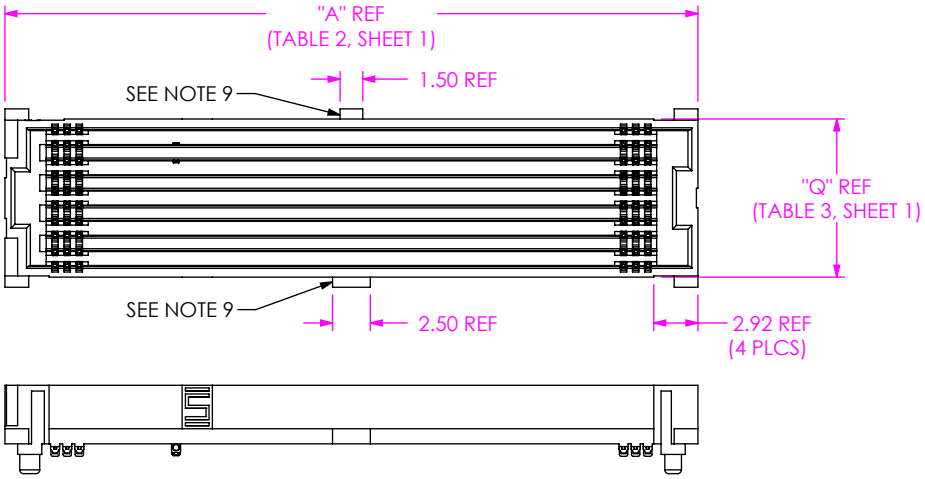
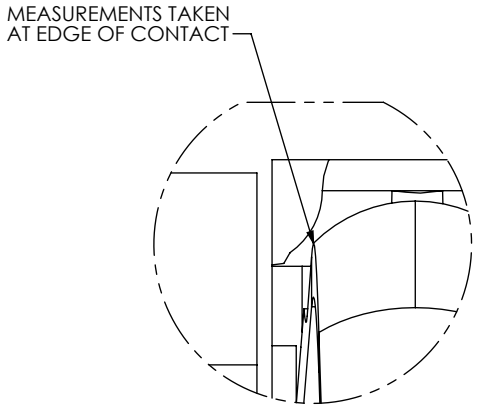
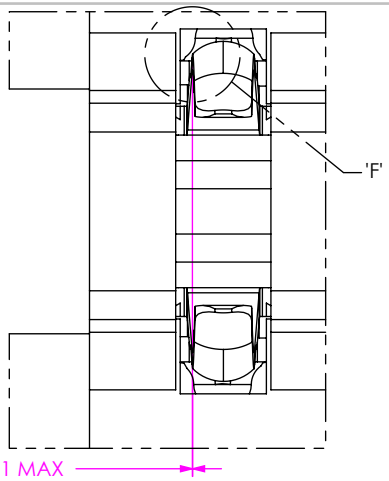


FIG 3
(SEAF8-50-05.0-X-10-X-K SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)
(SAME AS FIG 1, EXCEPT AS SHOWN)



DETAIL 'F'
SCALE 100 : 1



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