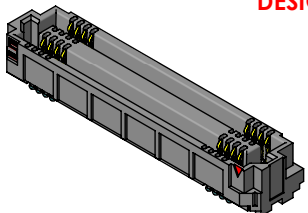


DO NOT SCALE FROM THIS PRINT

DESIGNED AND DIMENSIONED IN MILLIMETERS [INCHES]  
ALL DIMENSIONS REFERENCE

ADF6-XXX-XX.X-XXX-X-X-X-XR



**OPTION**  
-TR: STANDARD (SEE NOTE 3)  
-FR: FULL REEL (SEE NOTE 4)

**OPTION**  
BLANK: NO ALIGNMENT PIN  
-A: ALIGNMENT PIN (SEE SHT 3, FIG 3)

**SOLDER BALL COMPOSITION**  
\* -1: 63.0% TIN/37.0% LEAD  
-2: 96.5% TIN/3.0% SILVER/0.5% COPPER

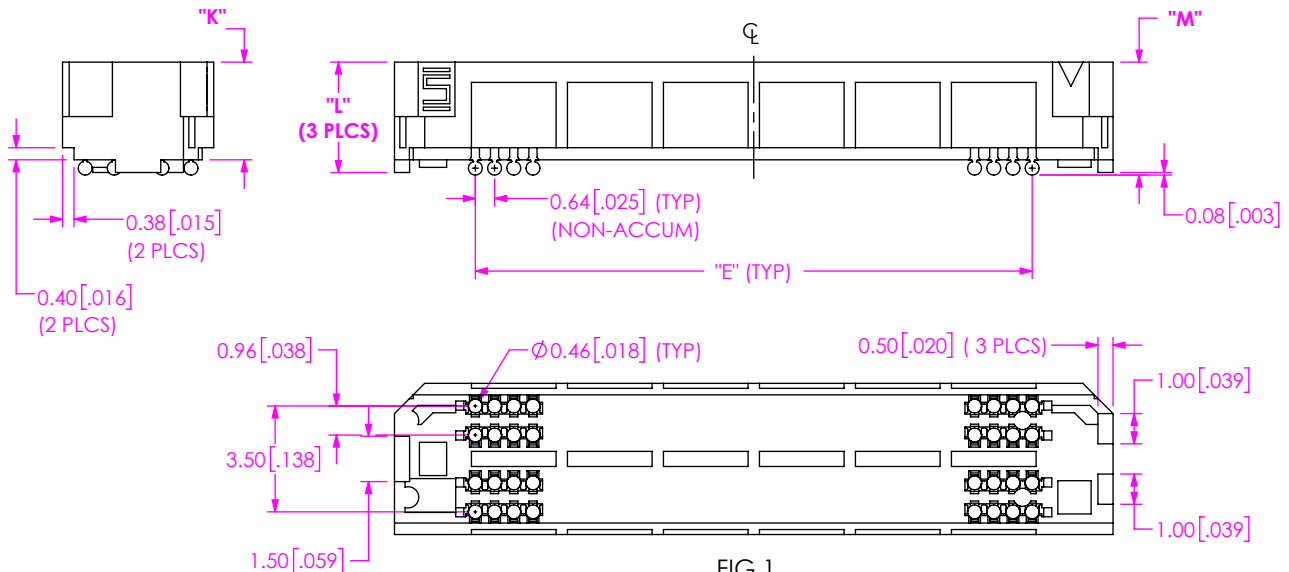
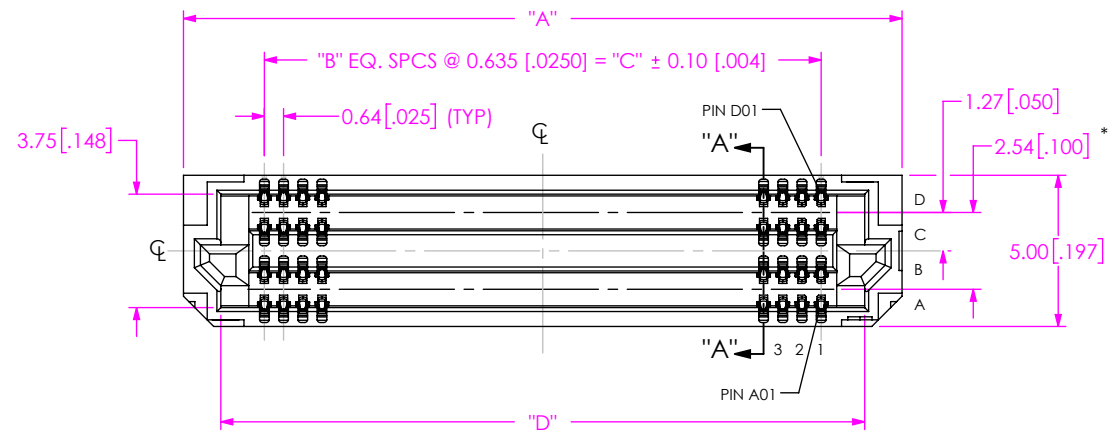
**ROW**  
-4: 4 ROW

(\* = NOT TOOLED)  
(\*\* = NOT ENGINEERING APPROVED)  
(□ = 60, 70, 80, 90, 100 POSITIONS ONLY AVAILABLE IN 4 ROW)  
(PACKAGING: TAPE & REEL (SEE NOTES 2, 3, 4, & 5))

**No OF POSITIONS**  
-10 -20, -30, -40, -50,  
□ -60, □ \*\*70, □ \*\*80,  
□ \*\*90, □ \*\*100 (PER ROW)

**LEAD STYLE**  
-03.5: 3.5MM  
\*-07.5: 7.5MM

**PLATING SPECIFICATION**  
-L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
\*\* -STL: 30μ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD ON SOLDER TAIL.



**TABLE 7**

LEADSTYLE	"K"	"L"	"M"
-03.5	3.230 [0.1272]	3.65 [0.144]	3.73 [0.147]
-07.5	7.230 [0.2846]	7.65 [0.301]	7.73 [0.304]

**TABLE 1**

ADF6 LEAD STYLE	STACK HEIGHT			
	ADM6 LEAD STYLE			
	-01.5	-03.5	-06.5	-08.5
-03.5	5.00 [0.197]	7.00 [0.276]	10.00 [0.394]	12.00 [0.472]
-07.5	9.00 [0.354]	11.00 [0.433]	14.00 [0.551]	16.00 [0.630]

**TABLE 2**

No. OF POS. PER ROW	"A"	"B"	"C"	"D"	"E"
-10	11.07 [0.436]	9	5.715 [0.2250]	8.595 [0.3384]	5.72 [0.225]
-20	17.42 [0.686]	19	12.065 [0.4750]	14.945 [0.5884]	12.07 [0.475]
-30	23.77 [0.936]	29	18.415 [0.7250]	21.295 [0.8384]	18.42 [0.725]
-40	30.12 [1.186]	39	24.765 [0.9750]	27.645 [1.0884]	24.77 [0.975]
-50	36.47 [1.436]	49	31.115 [1.2250]	33.995 [1.3384]	31.12 [1.225]
-60	42.82 [1.686]	59	37.465 [1.4750]	40.345 [1.5884]	37.47 [1.475]
-70	49.17 [1.936]	69	43.815 [1.7250]	46.695 [1.8384]	43.82 [1.725]
-80	55.52 [2.186]	79	50.165 [1.9750]	53.045 [2.0884]	50.17 [1.975]
-90	61.87 [2.436]	89	56.515 [2.2250]	59.395 [2.3384]	56.52 [2.225]
-100	68.22 [2.686]	99	62.865 [2.4750]	65.745 [2.5884]	62.87 [2.475]

- NOTES:
1. MINIMUM PUSHOUT FORCE FOR SIGNALS" 1.60 N [0.4 LBS].
  2. TAPE & REEL IS STANDARD PACKAGING.
  3. -TR ORDERS INVOLVING PARTIAL REEL QUANTITIES MAY BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STDS (SPES) FOUND ON WWW.SAMTEC.COM.
  4. -FR ORDERS WILL BE SHIPPED AT THE MAX REEL QUANTITIES, BASED ON OPTIONS SELECTED.
  5. ATTACH LABEL TO EACH TAPE & REEL PACKAGE.
  6. K-DOT PROVIDED AS STANDARD.

FIG 1  
ADF6-30-03.5-XXX-4-X-XR SHOWN  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1	DESCRIPTION: ADF6 ASSEMBLY
INSULATOR: LCP, COLOR BLACK	DWG. NO. ADF6-XXX-XX.X-XXX-X-X-X-XR
CONTACT: COPPER ALLOY	BY: J RUZZI 6/10/2016 SHEET 1 OF 3

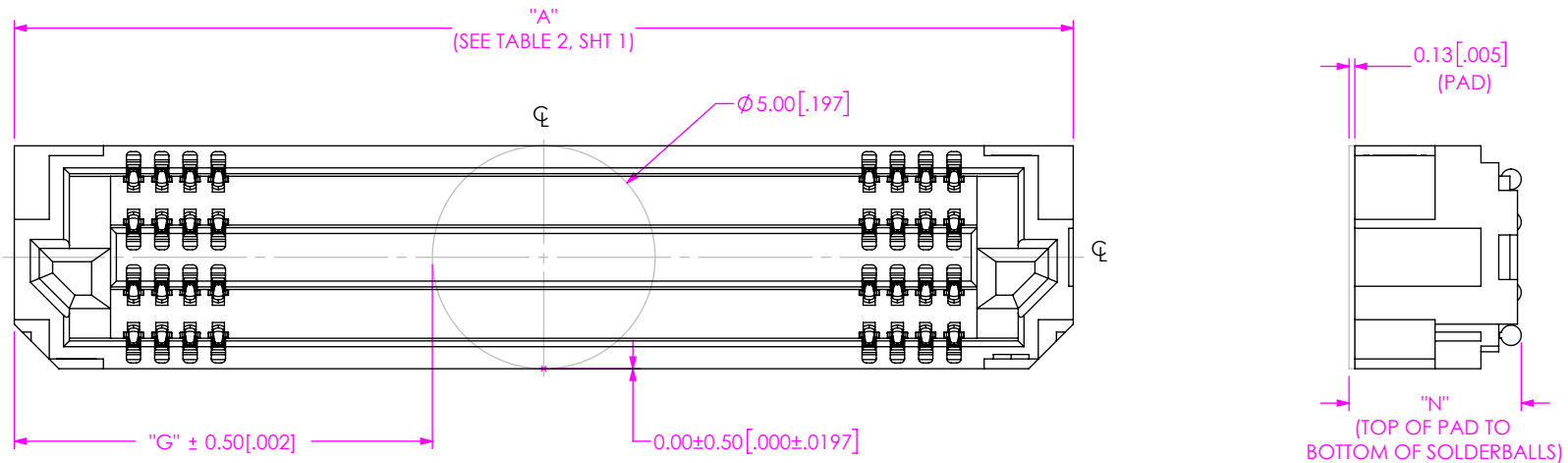


FIG 2  
 POLYIMIDE PAD  
 ADF6-30-03.5-XXX-4-X-XR SHOWN  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

-No OF POS IN ROW	"G"
10 POS	3.03 [0.119]
20 POS	6.21 [0.244]
30 POS	9.38 [0.369]
40 POS	12.56 [0.494]
50 POS	15.73 [0.619]
60 POS	18.91 [0.744]
70 POS	22.08 [0.869]
80 POS	25.26 [0.994]
90 POS	28.43 [1.119]
100 POS	31.61 [1.244]

LEADSTYLE	"N"
-03.5	3.86 [0.152]
-07.5	7.86 [0.309]

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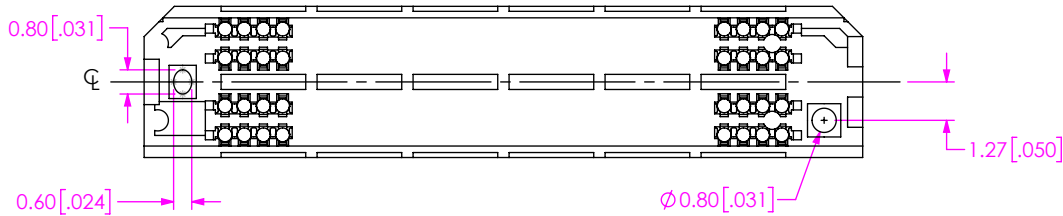
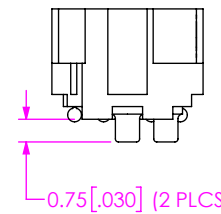
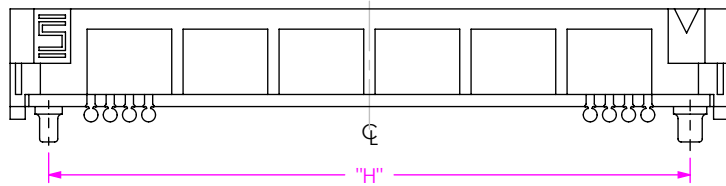
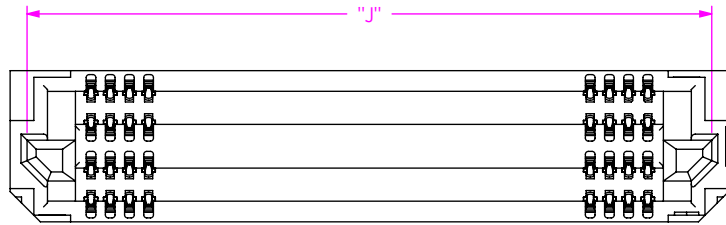
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SHEET SCALE: 4:1

DESCRIPTION:  
 ADF6 ASSEMBLY

DWG. NO.  
 ADF6-XXX-XX.X-XXX-X-X-XR

BY: J RUZZI 6/10/2016 SHEET 2 OF 3



**TABLE 5**

No OF POS PER ROW	"H"
-10	8.52 [0.335]
-20	14.87 [0.585]
-30	21.22 [0.835]
-40	27.57 [1.085]
-50	33.92 [1.335]
-60	40.27 [1.585]
-70	46.62 [1.835]
-80	52.97 [2.085]
-90	59.32 [2.335]
-100	65.67 [2.585]

**TABLE 6**

No OF POS PER ROW	"J"
-10	9.945 [0.3915]
-20	16.295 [0.6415]
-30	22.645 [0.8915]
-40	28.995 [1.1415]
-50	35.345 [1.3915]

**FIG 3**  
 -A: ALIGNMENT PIN  
 ADF6-30-03.5-XXX-4-X-A-XR SHOWN  
 (SAME AS FIG 1, EXCEPT AS SHOWN)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

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DESCRIPTION:  
 ADF6 ASSEMBLY

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