

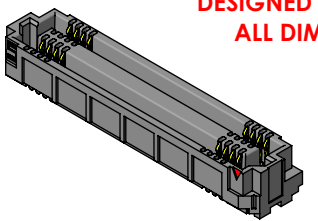


**THE DATASHEET OF
ADF6-20-03.5-L-4-2-A-TR**



DO NOT SCALE FROM THIS PRINT

**DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]
ALL DIMENSIONS REFERENCE EXCEPT AS SHOWN**



ADF6-XXX-XX.X-XXX-4-X-X-XR

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.

PACKAGING (SEE NOTES 2, 5 & 7)
-TR: TAPE & REEL
-FR: FULL REEL QTY TAPE & REEL

OPTION
BLANK: NO ALIGNMENT PIN
-A: ALIGNMENT PIN (SEE SHT 4, FIG 3)

TERMINATION
-0: COLUMN (SEE NOTE 8)
**Δ-1: BALL (63.0% TIN/37.0% LEAD) (ONLY AVAILABLE WITH -STL PLATING)
*Δ-2: BALL (96.5% TIN/3.0% SILVER/0.5% COPPER) (ONLY AVAILABLE WITH -S OR -L PLATING OPTIONS)

4 ROW

(* = NOT RELEASED FOR POSITIONS 70-100 WITH -07.5 LEAD STYLES)
(** = NOT RELEASED FOR -07.5 LEAD STYLE)
(Δ = TERMINATION STYLE FOR EXISTING CUSTOMERS ONLY)

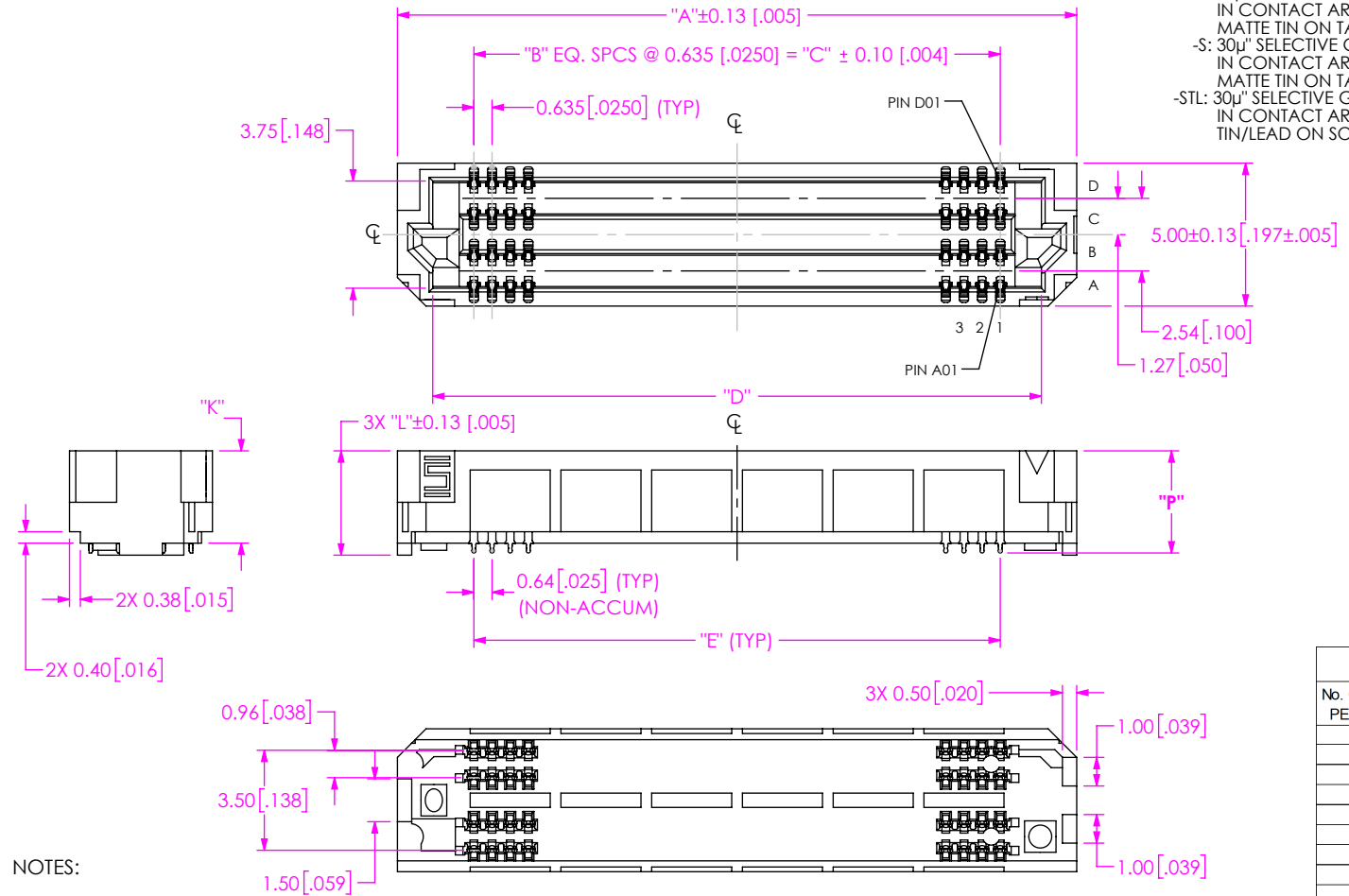


TABLE 7

| LEADSTYLE | "K" | "L" | "P" |
|-----------|----------------|--------------|--------------|
| -03.5 | 3.230 [0.1272] | 3.65 [0.144] | 3.57 [0.141] |
| -07.5 | 7.230 [0.2846] | 7.65 [0.301] | 7.57 [0.298] |

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 [436] | 9 | 5.715 [225] | 8.595 [338] | 5.72 [225] |
| -20 | 17.42 [686] | 19 | 12.065 [475] | 14.945 [588] | 12.07 [475] |
| -30 | 23.77 [936] | 29 | 18.415 [725] | 21.295 [838] | 18.42 [725] |
| -40 | 30.12 [1.186] | 39 | 24.765 [975] | 27.645 [1.088] | 24.77 [975] |
| -50 | 36.47 [1.436] | 49 | 31.115 [1.225] | 33.995 [1.338] | 31.12 [1.225] |
| -60 | 42.82 [1.686] | 59 | 37.465 [1.475] | 40.345 [1.588] | 37.47 [1.475] |
| -70 | 49.17 [1.936] | 69 | 43.815 [1.725] | 46.695 [1.838] | 43.82 [1.725] |
| -80 | 55.52 [2.186] | 79 | 50.165 [1.975] | 53.045 [2.088] | 50.17 [1.975] |
| -90 | 61.87 [2.436] | 89 | 56.515 [2.225] | 59.395 [2.338] | 56.52 [2.225] |
| -100 | 68.22 [2.686] | 99 | 62.865 [2.475] | 65.745 [2.588] | 62.87 [2.475] |

NOTES:

- NOTE DELETED.
- TAPE & REEL IS STANDARD PACKAGING.
- NOTE DELETED.
- NOTE DELETED.
- ATTACH LABEL-4X2 TO EACH REEL.
- K-DOT PROVIDED AS STANDARD.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- L AND -S PLATED PARTS WILL HAVE MATTE TIN ON THE TAIL. -STL PLATED PARTS WILL HAVE TIN/LEAD ON THE TAIL. PARTS ARE SOLDERED WITH OPTIMIZED SOLDER PASTE VOLUME IN PLACE OF AN ATTACHED SOLDER BALL. FOR MORE INFORMATION, CONTACT SAMTEC'S INTERCONNECT PROCESSING GROUP (IPG@SAMTEC.COM).

FIG 1
ADF6-30-03.5-XXX-4-0-XR SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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SHEET SCALE: 4:1

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

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

DESCRIPTION:
ADF6 ASSEMBLY

DWG. NO.
ADF6-XXX-XX.X-XXX-4-X-X-XR

BY: J RUZZI 6/10/2016 SHEET 1 OF 4

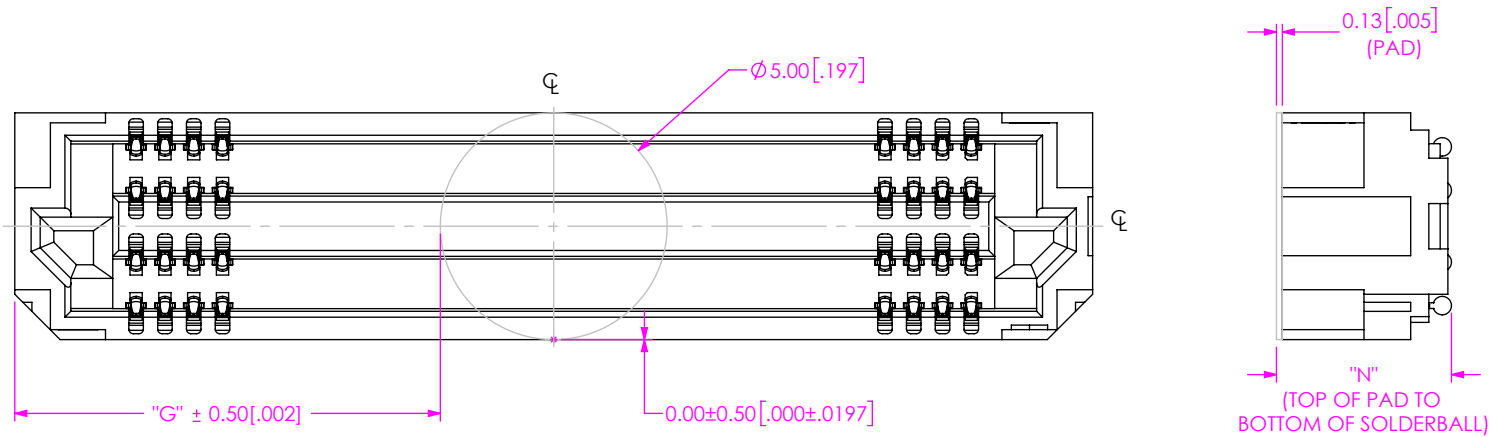


FIG 2A
 POLYIMIDE PAD
 ADF6-30-03.5-XXX-4-X-XR SHOWN
 (SOLDERBALL OPTION)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

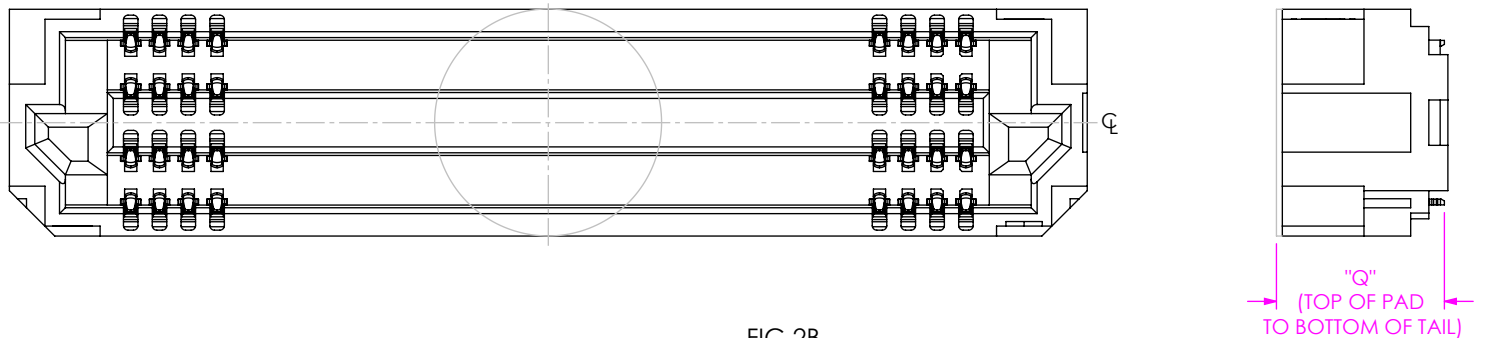


FIG 2B
 ADF6-30-03.5-XXX-4-0-XR SHOWN
 (COLUMN OPTION)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (SAME AS FIG 2A, EXCEPT AS SHOWN)

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

| LEADSTYLE | "N" | "Q" |
|-----------|--------------|--------------|
| -03.5 | 3.86 [0.152] | 3.70 [0.146] |
| -07.5 | 7.86 [0.309] | 7.70 [0.303] |

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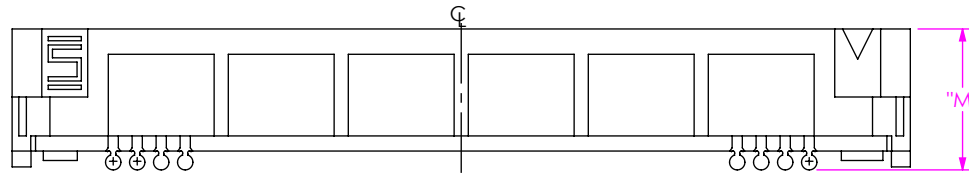
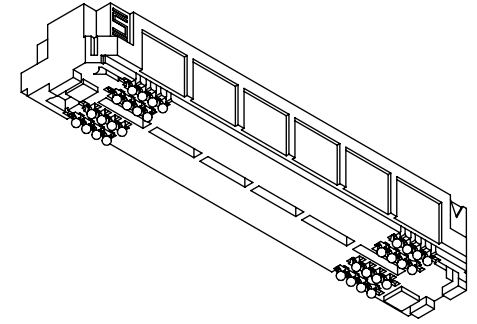
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SHEET SCALE: 4:1

DESCRIPTION:
ADF6 ASSEMBLY

DWG. NO.
ADF6-XXX-XX.X-XXX-4-X-XR

BY: J RUZZI 6/10/2016 SHEET 2 OF 4



| TABLE 9 | |
|-----------|--------------|
| LEADSTYLE | "M" |
| -03.5 | 3.73 [0.147] |
| -07.5 | 7.73 [0.304] |

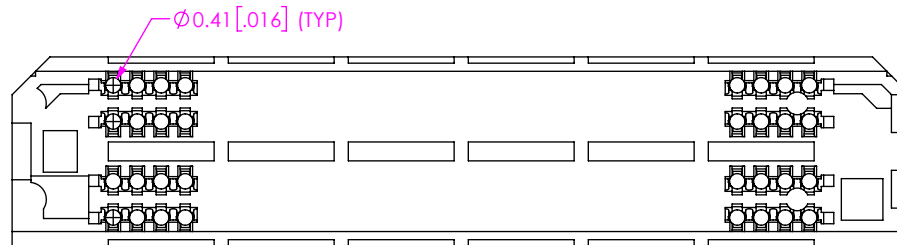


FIG 4
 ADF6-30-03.5-XXX-4-2-XR SHOWN
 (SOLDER BALL OPTION)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)
 (SAME AS FIG 1, EXCEPT AS SHOWN)

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SHEET SCALE: 5:1

DESCRIPTION:

ADF6 ASSEMBLY

DWG. NO.

ADF6-XXX-XX.X-XXX-4-X-X-XR

BY: J RUZZI

6/10/2016

SHEET 3 OF 4

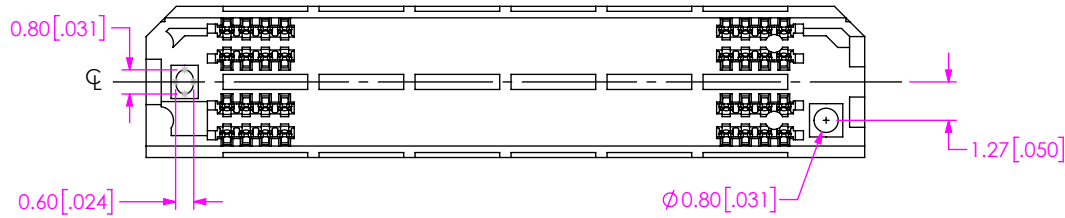
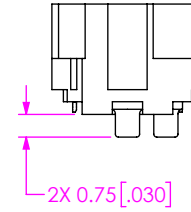
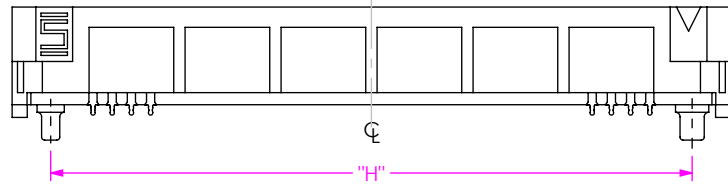
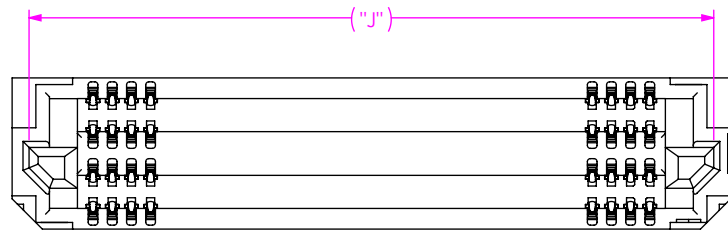


TABLE 5

| 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] |
| -60 | 41.695 [1.6415] |
| -70 | 48.045 [1.8915] |
| -80 | 54.395 [2.1415] |
| -90 | 60.745 [2.3915] |
| -100 | 67.095 [2.6415] |

FIG 3
 -A: ALIGNMENT PIN
 ADF6-30-03.5-XXX-4-0-A-XR SHOWN
 (SAME AS FIG 1, EXCEPT AS SHOWN)
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

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DESCRIPTION: **ADF6 ASSEMBLY**

DWG. NO. **ADF6-XXX-XX.X-XXX-4-X-X-XR**

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