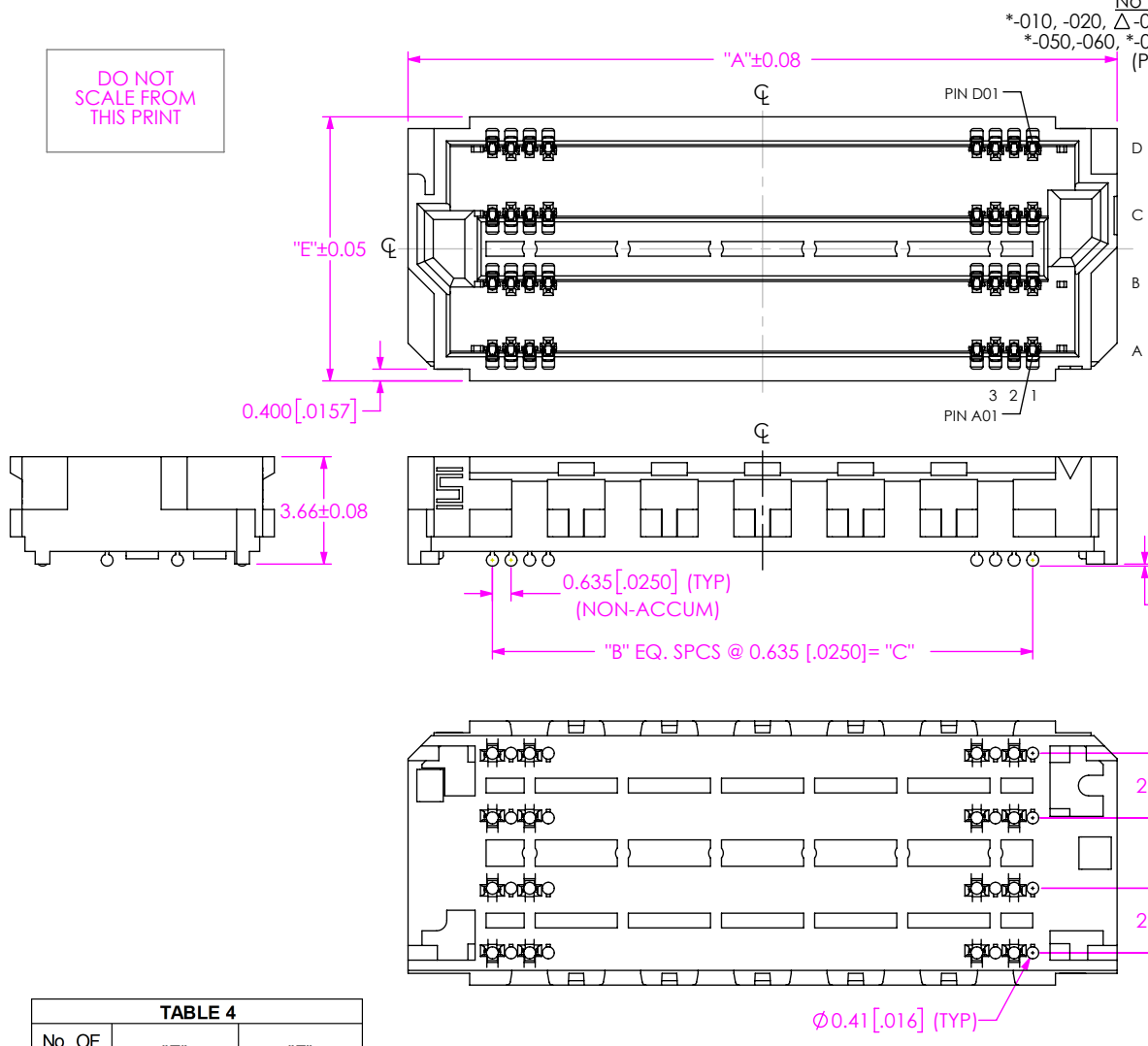


DO NOT SCALE FROM THIS PRINT



No OF POSITIONS  
\* -010, -020, Δ -025, \* -030, Δ -037, -040,  
\* -050, -060 \* -070, \* -080, \* -090, -100  
(PER ROW)

LEAD STYLE  
-03.5: 3.5MM

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 TAIL.

ROW

-04: 4 ROW  
-06: 6 ROW (NOT AVAILABLE WITH -A OR BLANK OPTIONS)  
\*\* □ -08: 8 ROW  
\* -10: 10 ROW  
\* □ -16: 16 ROW

TAPE & REEL (SEE NOTES 3 & 7)  
-TR: TAPE & REEL  
-FR: FULL QTY TAPE AND REEL

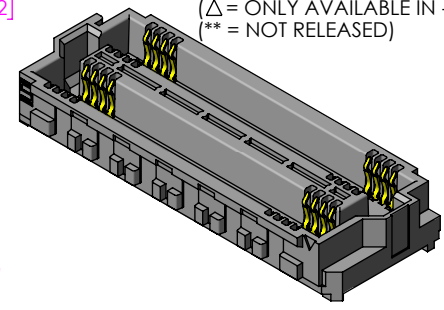
OPTION

BLANK: NO ALIGNMENT PIN  
-A: ALIGNMENT PIN (SEE SHT 5, FIG 3)  
-L: SQUEEZE LATCH (SEE SHT 3, FIG 5, NOT AVAILABLE WITH -A OPTION, ONLY AVAILABLE IN -025 & -037 POS WITH -04 & -06 ROW)  
-T: TH LOCKING TOOL (SEE SHT 3, FIG 6, NOT AVAILABLE WITH -A OPTION, ONLY AVAILABLE IN -025 & -037 POS WITH -04, -06 & -08 ROW)  
\*\* -S: SM LOCKING TOOL (SEE SHT 4, FIG 7, NOT AVAILABLE WITH -A OPTION, ONLY AVAILABLE IN -025 & -037 POS WITH -08 ROW)

TERMINATION

-0: COLUMN (SEE NOTE 8)  
\* -1: BALL (63.0% TIN/37.0% LEAD)  
-2: BALL (95.5% TIN/3.8% SILVER/0.7% COPPER)

(\* = NOT TOOLED)  
(PACKAGING: TAPE & REEL, SEE NOTES 1, 2 & 3)  
□ = ONLY AVAILABLE IN -50 POS  
☒ = ONLY AVAILABLE IN -025, -037 & -100 POS  
Δ = ONLY AVAILABLE IN -L, -T & -TS OPTION)  
\*\* = NOT RELEASED



No. OF ROWS	"E"	"F"
-04	9.00 [0.354]	6.80 [0.268]
-06	13.60 [0.535]	11.40 [0.449]
-08	18.20 [0.717]	16.00 [0.630]
-10	22.80 [0.898]	20.60 [0.811]
-16	36.60 [1.441]	34.40 [1.354]

APF6 LEAD STYLE	APM6 LEAD STYLE	
	-01.5	-06.5
-03.5	5.00 [0.197]	10.00 [0.394]

No OF POS PER ROW	"A"	"B"	"C"
-010	11.47 [0.451]	9	5.72 [0.225]
-020	17.82 [0.701]	19	12.07 [0.475]
-030	24.17 [0.951]	29	18.42 [0.725]
-040	30.52 [1.201]	39	24.77 [0.975]
-050	36.87 [1.451]	49	31.12 [1.225]
-060	43.22 [1.701]	59	37.47 [1.475]
-070	49.57 [1.951]	69	43.82 [1.725]
-080	55.92 [2.201]	79	50.17 [1.975]
-090	62.27 [2.451]	89	56.52 [2.225]
-100	68.62 [2.701]	99	62.87 [2.475]

FIG 1  
APF6-030-03.5-XXX-04-X SHOWN  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

NOTES:

1. TAPE & REEL IS STANDARD PACKAGING.
2. NOTE DELETED.
3. ATTACH LABEL-4X2 TO EACH TAPE & REEL PACKAGE.
4. K-DOT PROVIDED AS STANDARD.
5. MEASURE BOTH OUTSIDE ROWS ONLY.
6. SEE SHEET 3 FOR PROCESSING INFORMATION.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
8. 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)

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DO NOT SCALE DRAWING  
SHEET SCALE: 4:1  
MATERIAL:  
INSULATOR: LCP, UL 94 V-0; 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:  
APF6 0.635MM SOCKET ARRAY ASSEMBLY

DWG. NO.  
APF6-XXX-XX.X-XXX-XX-X-XX-XR

BY: B BLESSING 5/26/2018 SHEET 1 OF 6

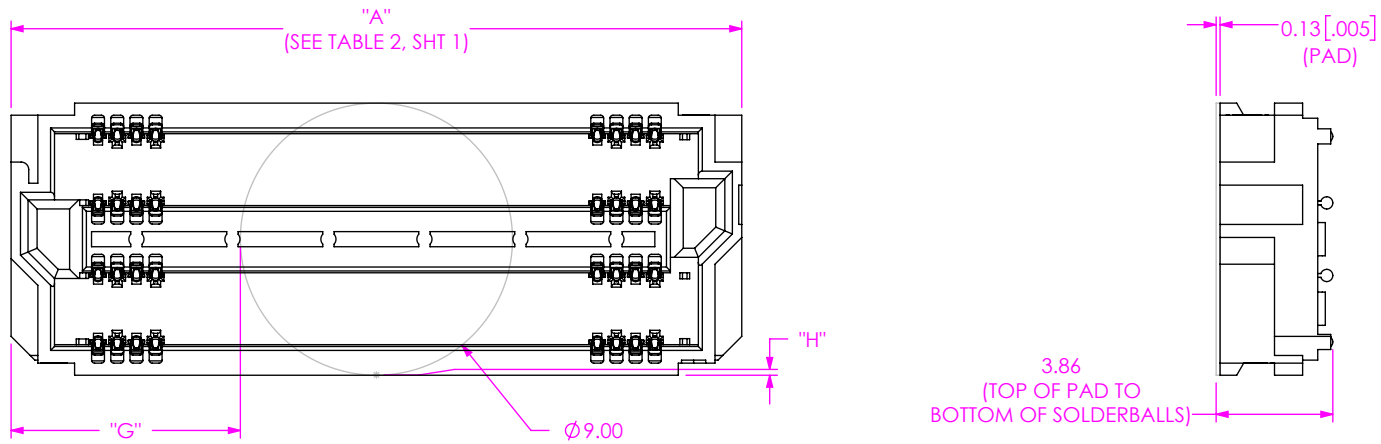


FIG 2  
 POLYIMIDE PAD  
 APF6-030-03.5-XXX-04-X SHOWN  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 5													
-No. OF ROWS	"G"												"H"
	-010	-020	-025	-030	-037	-040	-050	-060	-070	-080	-090	-100	
-04													0.00 [0.000]
-06													2.30 [0.091]
-08	1.23 [0.049]	4.41 [0.174]	6.70 [0.264]	7.58 [0.299]	10.51 [0.414]	10.76 [0.424]	13.93 [0.549]	17.11 [0.674]	20.28 [0.799]	23.46 [0.924]	26.63 [1.049]	29.81 [1.174]	4.60 [0.181]
-10													6.90 [0.272]
-16													13.80 [0.543]

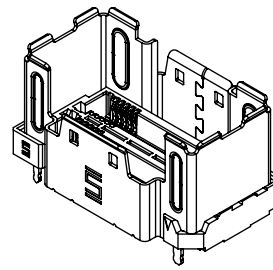
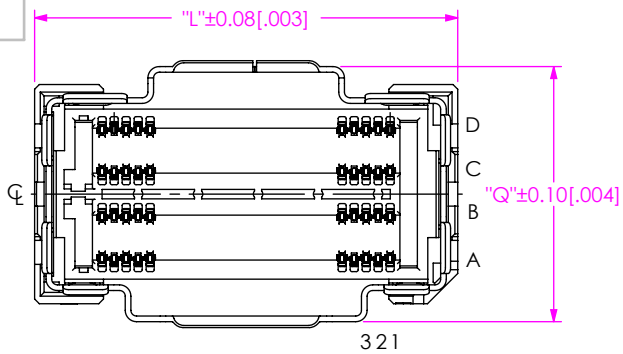
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DO NOT SCALE DRAWING  
 SHEET SCALE: 4:1

DESCRIPTION:  
 APF6 0.635MM SOCKET ARRAY ASSEMBLY  
 DWG. NO.  
**APF6-XXX-XX.X-XXX-XX-X-XX-XR**  
 BY: B BLESSING 5/26/2018 SHEET 2 OF 6



No OF POS	"L"	"M"	"N"	"P"	"U"
-025	22.39 [.881]	24	15.24 [.600]	17.59 [.693]	21.18 [.834]
-037	30.01 [1.181]	36	22.86 [.900]	25.21 [.993]	28.80 [1.134]

-No. OF ROWS	"Q"	"R"	"S"
-04	13.50 [.531]	9.90 [.390]	11.60 [.457]
-06	18.10 [.713]	14.50 [.571]	16.20 [.638]
-08 (AVAILABLE FOR -T OPTION ONLY)	N/A	19.10 [.752]	20.80 [.819]

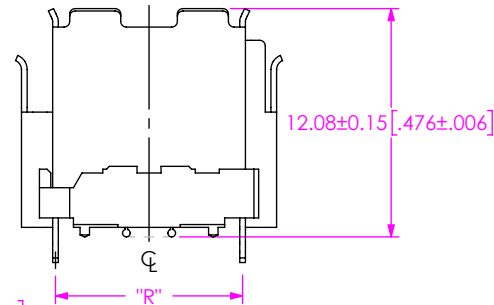
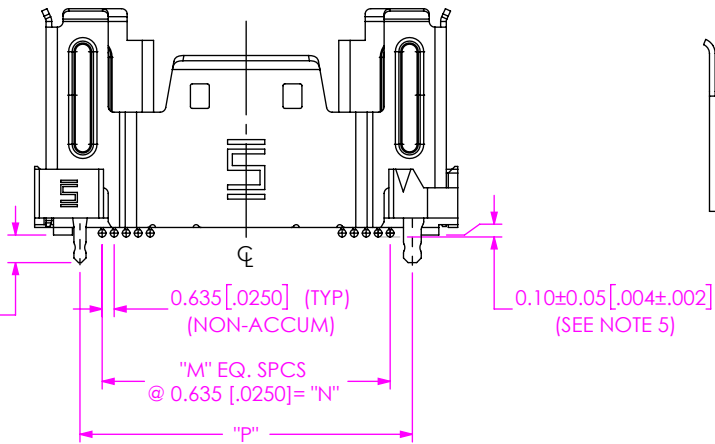


FIG 5  
-L: SQUEEZE LATCH  
APF6-025-03.5-XXX-04-X-L SHOWN  
(SAME AS FIG 1, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

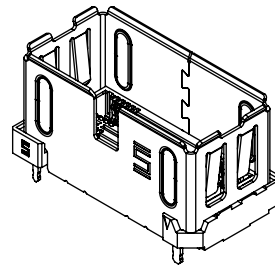
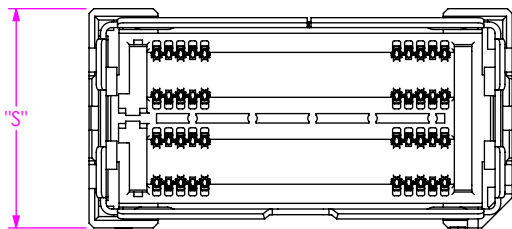
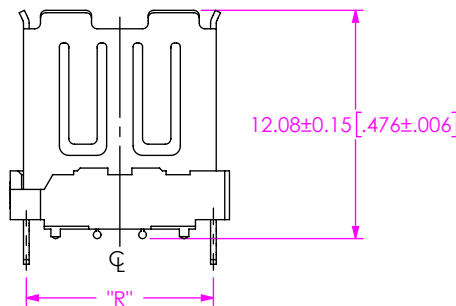
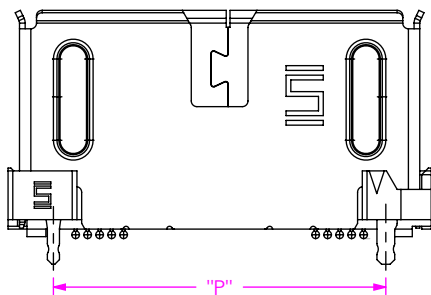


FIG 6  
-T: LOCKING TOOL  
APF6-025-03.5-XXX-04-X-T SHOWN  
(SAME AS FIG 1 & FIG5, EXCEPT AS SHOWN)  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



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	<p>DESCRIPTION: APF6 0.635MM SOCKET ARRAY ASSEMBLY</p>	
	<p>DWG. NO. APF6-XXX-XX.X-XXX-XX-X-XX-XR BY: B BLESSING 5/26/2018 SHEET 3 OF 6</p>	

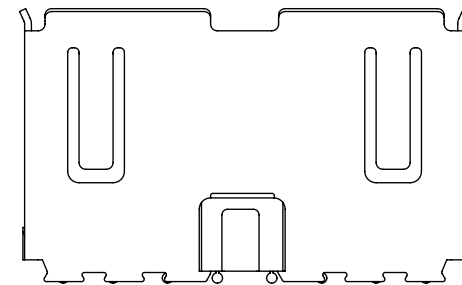
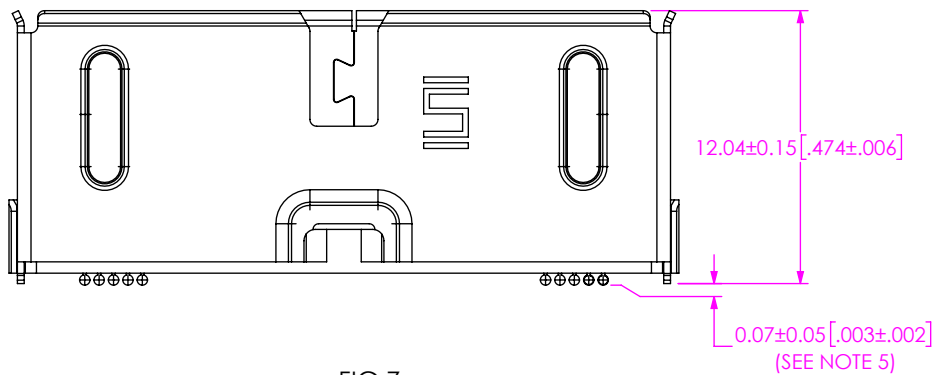
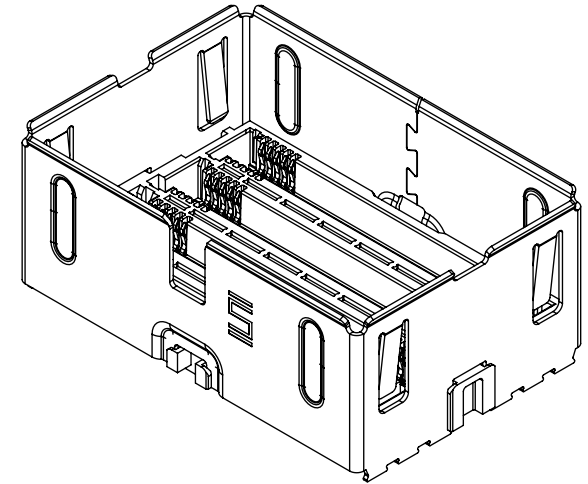
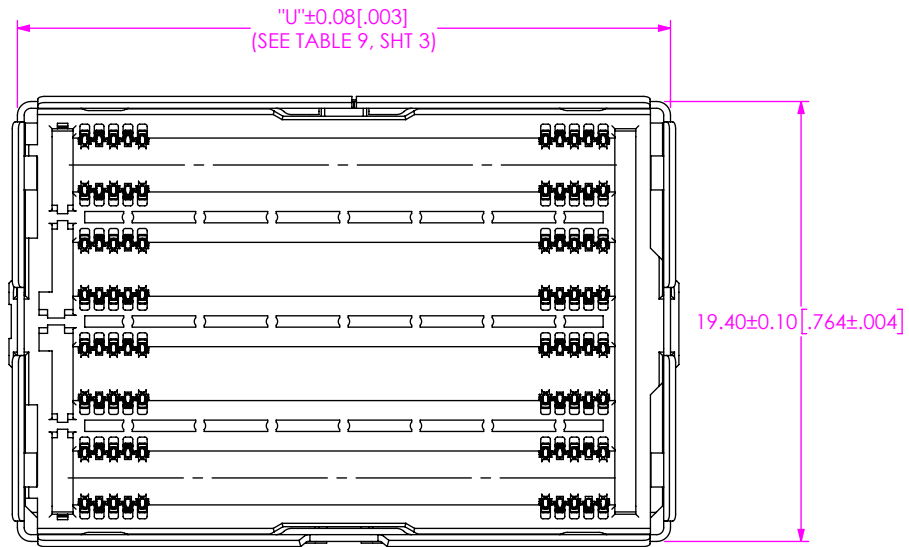


FIG 7  
 -S: SM LOCKING TOOL  
 APF6-037-03.5-XXX-08-X-TS SHOWN  
 (SAME AS FIG 1 & FIG 5, EXCEPT AS SHOWN)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

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SHEET SCALE: 4:1

DESCRIPTION:  
 APF6 0.635MM SOCKET ARRAY ASSEMBLY

DWG. NO.  
 APF6-XXX-XX.X-XXX-XX-X-XX-XR

BY: B BLESSING 5/26/2018 SHEET 4 OF 6

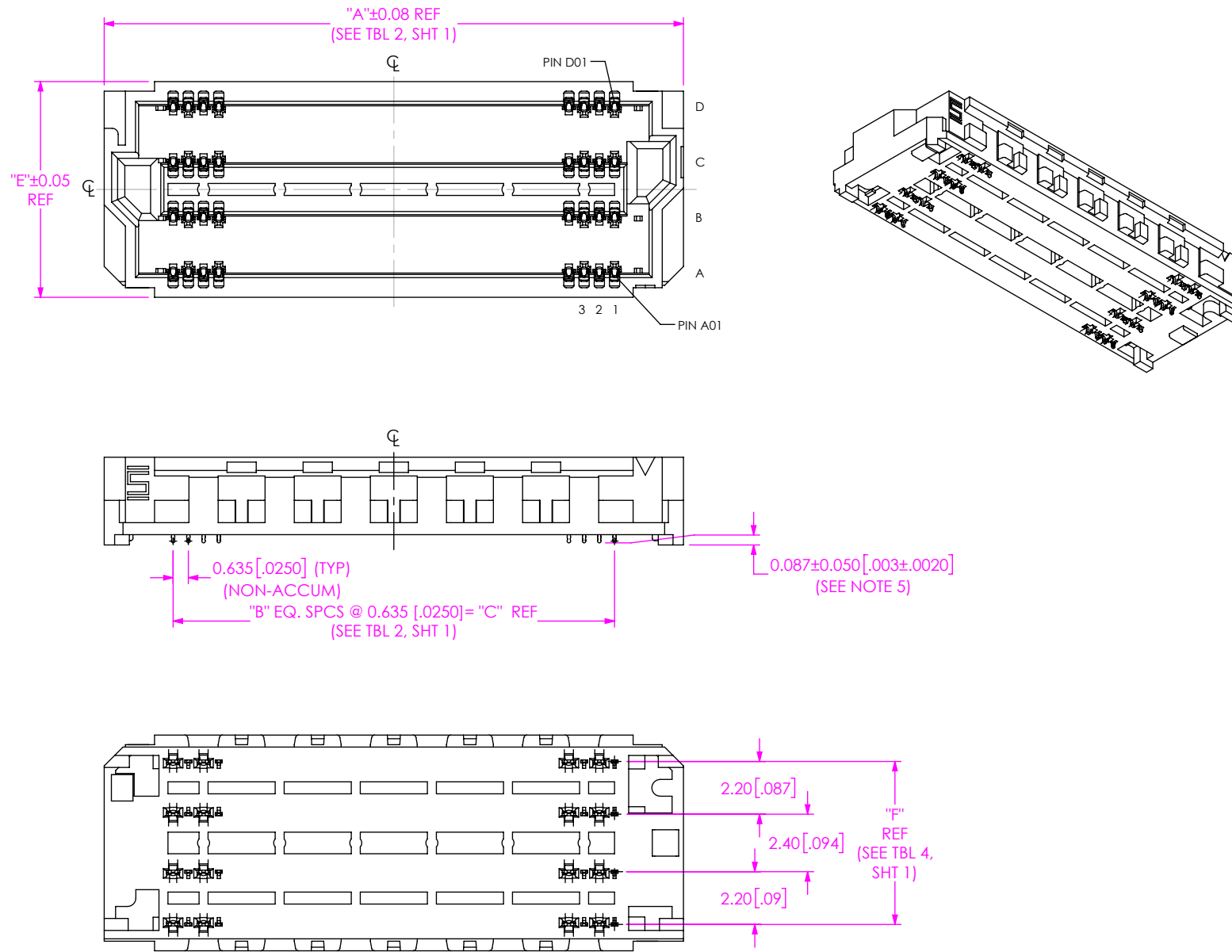


FIG 8  
 APF6-030-03.5-XXX-04-0 SHOWN  
 (NO SOLDER BALL OPTION)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

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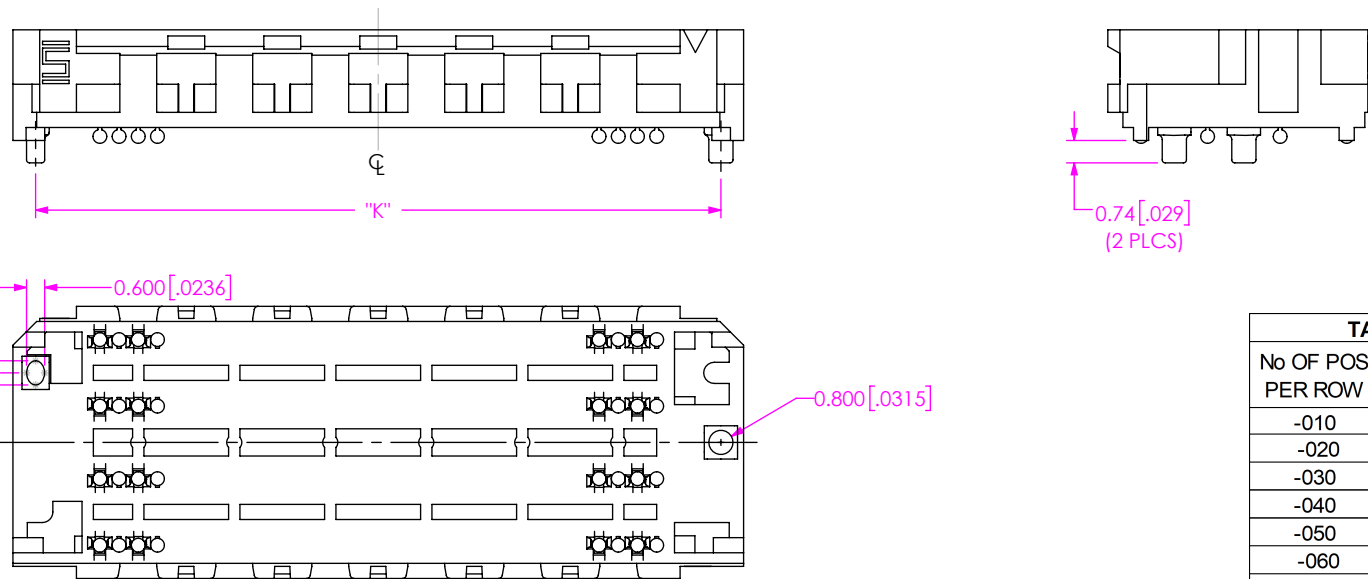
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DESCRIPTION:  
 APF6 0.635MM SOCKET ARRAY ASSEMBLY

DWG. NO.  
 APF6-XXX-XX.X-XXX-XX-X-XX-XR

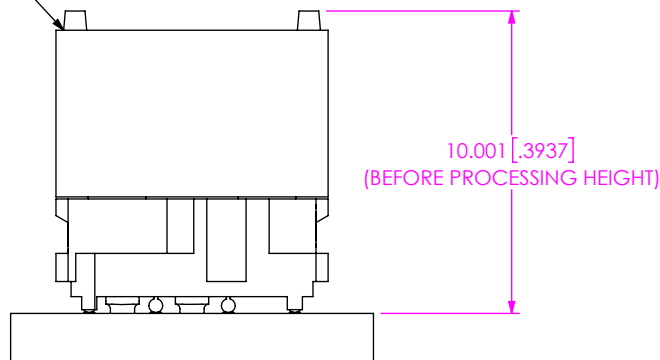
BY: B BLESSING 5/26/2018 SHEET 5 OF 6



**FIG 3**  
 -A: ALIGNMENT PIN  
 APF6-030-03.5-XXX-04-X-A SHOWN  
 (SAME AS FIG 1, EXCEPT AS SHOWN)  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

No OF POS PER ROW	"K"
-010	9.97 [0.392]
-020	16.32 [0.642]
-030	22.67 [0.892]
-040	29.02 [1.142]
-050	35.37 [1.392]
-060	41.72 [1.642]
-070	48.07 [1.892]
-080	54.42 [2.142]
-090	60.77 [2.392]
-100	67.12 [2.642]

CAT-APF6-XXX-XX-VT  
 PROCESSING FIXTURE  
 (SEE TABLE 8)



**FIG 4**  
 APF6-100-03.5-XXX-XX-X PROCESSING VIEW  
 (CAT-APF6-XXX-XX-VT)

APF6 FIXTURE TOOLS		
PART NUMBER	POSITIONS	ROW
CAT-APF6-100-04-VT	-100	-04
CAT-APF6-100-08-VT	-100	-08

**NOTE:**  
 FIG 4 DIMENSION 10.001 (TOP OF PCB TO TOP OF PROCESSING FIXTURE) INDICATES CONNECTOR/FIXTURE HEIGHT ON PCB TO GUARANTEE ENOUGH REFLOW OVEN WORKING SPACE, DIMENSION 10.001, PCB THICKNESS AND THE HEIGHT OF THE COMPONENTS ON THE OTHER SIDE OF THE BOARD NEED TO BE CONSIDERED.

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	<p>DESCRIPTION:                  APF6 0.635MM SOCKET ARRAY ASSEMBLY</p> <p>DWG. NO.  <b>APF6-XXX-XX.X-XXX-XX-X-XX-XR</b></p> <p>BY: B BLESSING 5/26/2018 SHEET 6 OF 6</p>