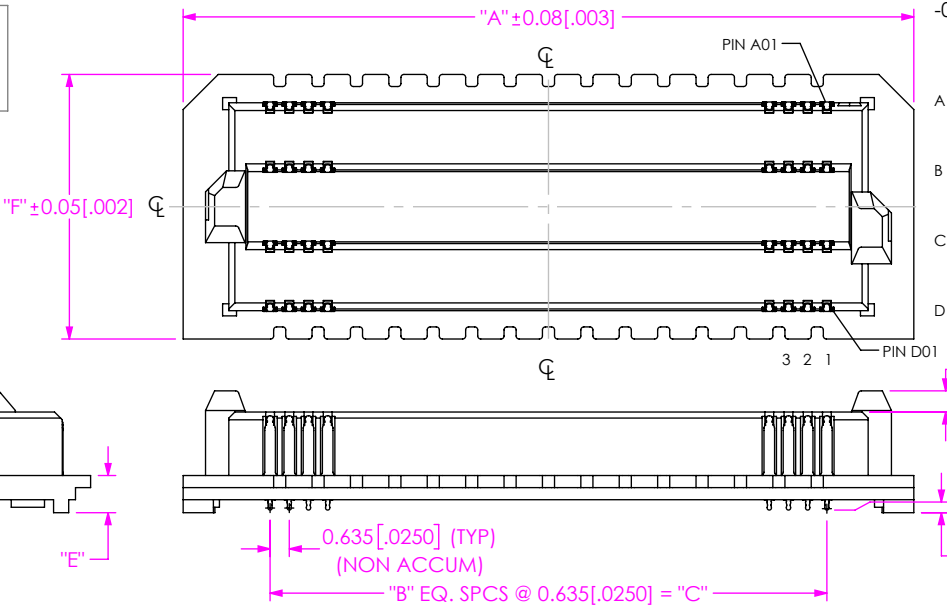


DO NOT
SCALE FROM
THIS PRINT



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

LEAD STYLE
-01.5: 1.5MM
**-01.9: 1.9MM
-06.5: 6.5MM

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.

TAPE & REEL (SEE NOTES 2 & 3)
-TR: TAPE & REEL
-FR: FULL REEL QTY TAPE & REEL

OPTION
BLANK: NO ALIGNMENT PIN
-A: ALIGNMENT PIN
(SEE SHT 3, FIG 5)

TERMINATION
-0: COLUMN (SEE NOTE 7)
-2: BALL (95.5% TIN/3.8% SILVER/
0.7% COPPER)
(FOR EXISTING CUSTOMERS ONLY)

ROW
-04: 4 ROW
*-06: 6 ROW
☒-08: 8 ROW

(* = NOT TOOLED)
(**= NOT RELEASED)
(☒ = ONLY AVAILABLE IN -100 POS WITH LEAD STYLE -01.5,
**-06.5 AND TERMINATION -0)
(Δ = ONLY AVAILABLE WITH -01.9 LEAD STYLE WITH -04 ROW,
AND ONLY MATES WITH -RA OPTION)

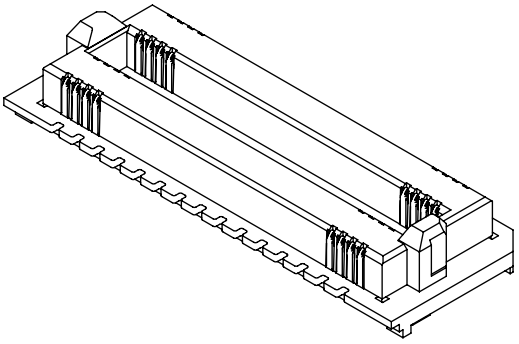
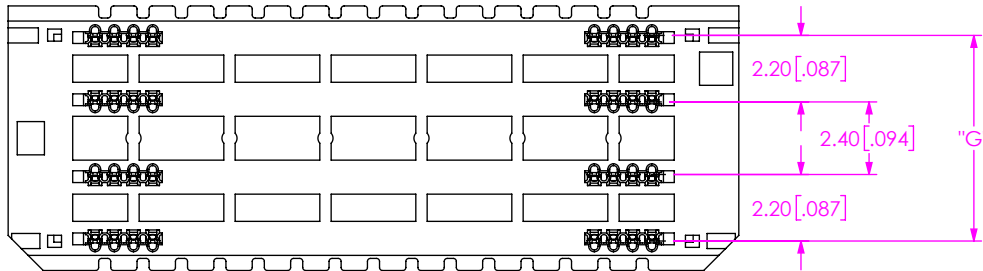
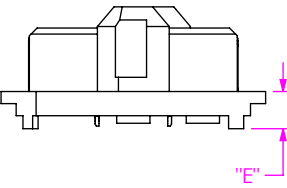


TABLE 3		
LEAD STYLE	"D"	"E"
-01.5	3.33 [0.131]	1.23 [0.048]
-01.9	3.71 [0.146]	1.23 [0.048]
-06.5	8.33 [0.328]	6.23 [0.245]

TABLE 4		
-No. OF ROWS	"F"	"G"
-04	8.75 [0.344]	6.80 [0.268]
-06	13.35 [0.526]	11.40 [0.449]
-08	17.95 [0.707]	16.00 [0.630]

TABLE 2			
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
APM6-030-01.5-XXX-04-0-XR SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 1		
VERTICAL STACK HEIGHT		
APF6 LEAD STYLE	APM6 LEAD STYLE	
	-01.5	-06.5
-03.5	5.00 [0.197]	10.00 [0.394]

NOTES:
1. NOTE DELETED.
2. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS [SPES] FOUND ON WWW.SAMTEC.COM.
3. ATTACH LABEL -4X2 TO EACH REEL.
4. K-DOT PROVIDED AS STANDARD.
5. MEASURE BOTH OUTSIDE ROWS ONLY.
6. SEE SHT 3 FOR PROCESSING INFORMATION.
7. 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
MATERIAL: INSULATOR: LCP, COLOR: BLACK
TERMINAL: COPPER ALLOY
SHEET SCALE: 4:1

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:
APM6 0.635MM TERMINAL ARRAY ASSEMBLY
DWG. NO.
APM6-XXX-XX.X-XXX-XX-X-X-XR
BY: B BLESSING 4/24/2018 SHEET 1 OF 4

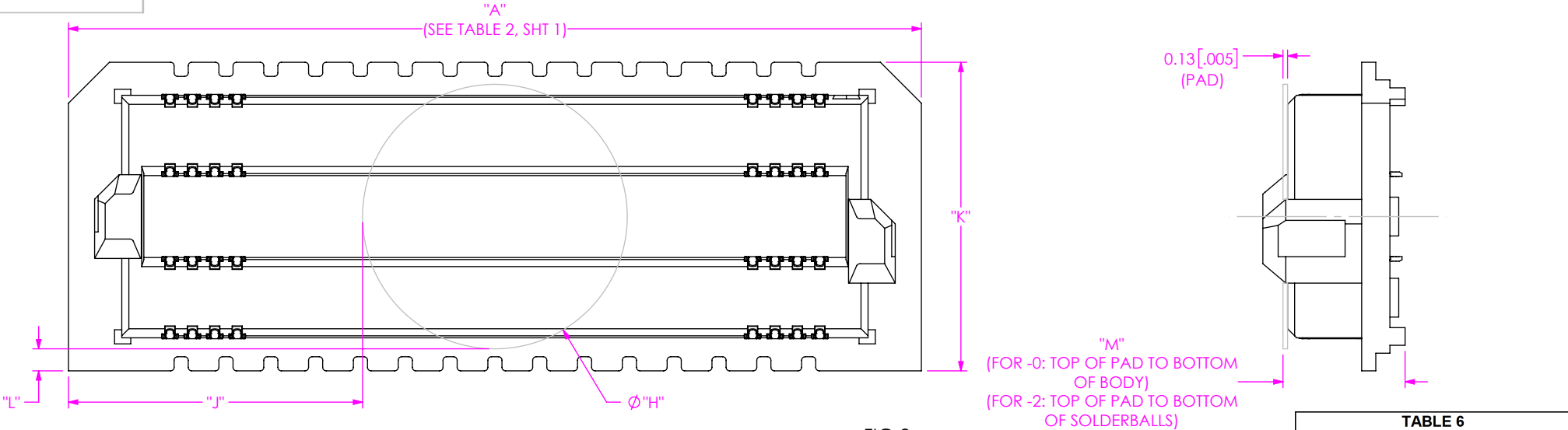


FIG 2
POLYIMIDE PAD
APM6-030-1.5-XXX-XX-0-XR SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 6		
LEAD STYLE	"M"	
	TERMINATION	
	-2	-0
-01.5	3.53 [0.139]	3.46 [0.136]
-01.9	3.91 [0.154]	3.84 [0.151]
-06.5	8.53 [0.336]	8.46 [0.333]

TABLE 5												
-No. OF ROWS	Ø"H"	"J"										"L"
		10 POS	20 POS	30 POS	40 POS	50 POS	60 POS	70 POS	80 POS	90 POS	100 POS	
-04	7.50 [0.295]	1.98 [0.078]	5.16 [0.203]	8.33 [0.328]	11.51 [0.453]	14.68 [0.578]	17.86 [0.703]	21.03 [0.828]	24.21 [0.953]	27.38 [1.078]	30.56 [1.203]	0.63 [0.025]
-06	9.00 [0.354]	1.23 [0.049]	4.41 [0.174]	7.58 [0.299]	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]	2.18 [0.086]
-08												4.48 [0.176]

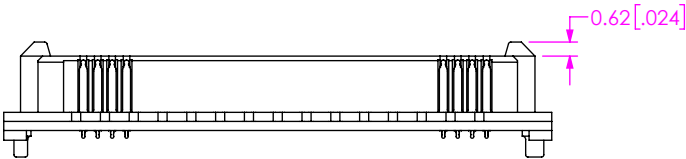
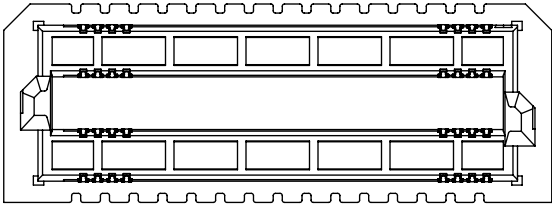


FIG 6
APM6-030-01.9-XXX-04-0-A-XR SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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e-Mail: info@SAMTEC.com code 55322

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DESCRIPTION:
APM6 0.635MM TERMINAL ARRAY ASSEMBLY

DWG. NO.
APM6-XXX-XX.X-XXX-XX-X-XR

BY: B BLESSING 4/24/2018 SHEET 2 OF 4

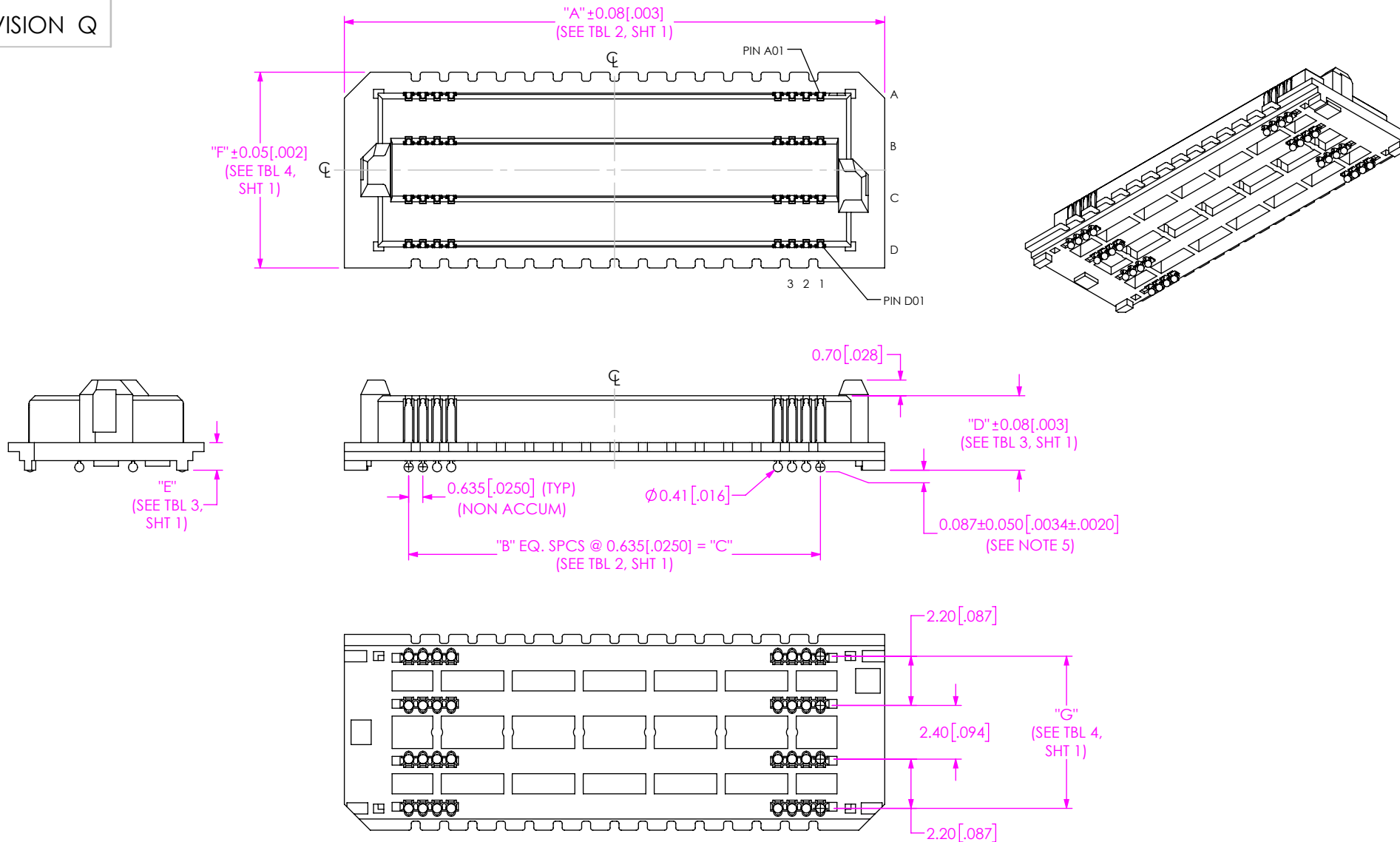


FIG 5
APM6-030-01.5-XXX-04-2-XR SHOWN
(SOME CENTER FEATURES REMOVED FOR CLARITY)

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SHEET SCALE: 3:1

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DESCRIPTION:
APM6 0.635MM TERMINAL ARRAY ASSEMBLY

DWG. NO.
APM6-XXX-XX.X-XXX-XX-X-X-XR

BY: B BLESSING 4/24/2018 SHEET 3 OF 4

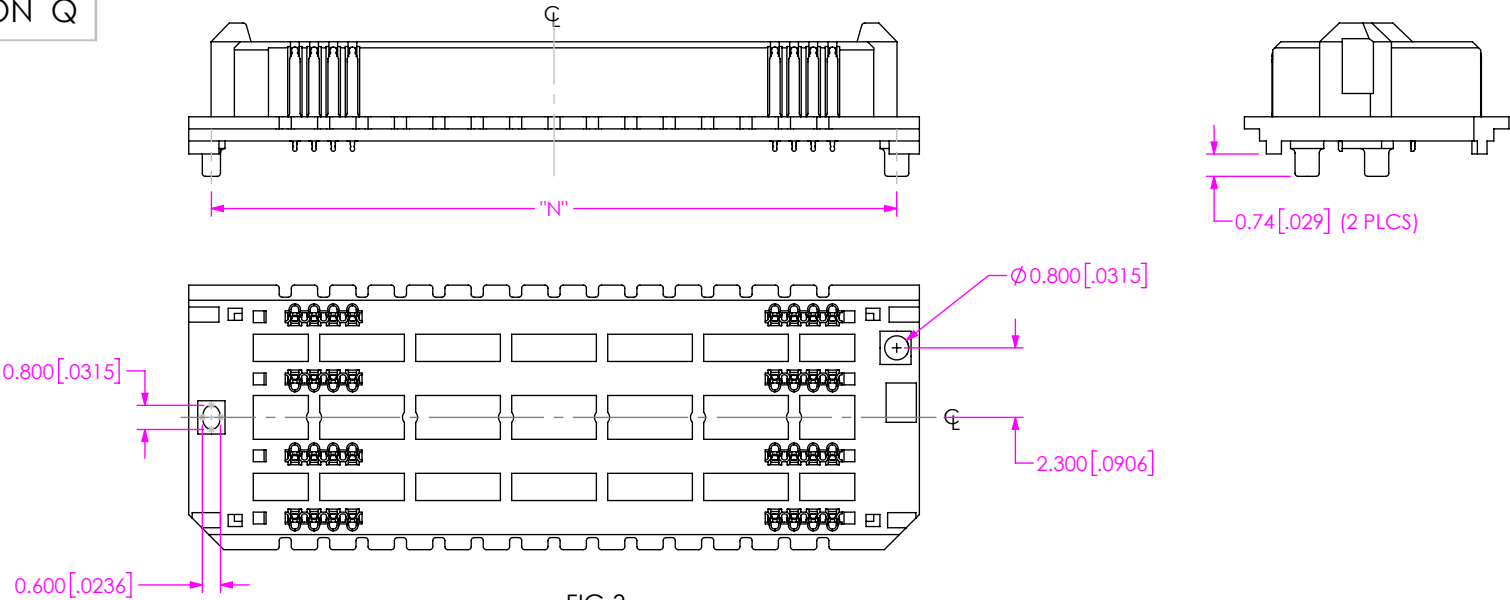


FIG 3
-A: ALIGNMENT PIN
APM6-030-01.5-XXX-04-0-A-XR SHOWN
(SAME AS FIG 1, EXCEPT AS SHOWN)
(SOME CENTER FEATURES REMOVED FOR CLARITY)

TABLE 7	
No OF POS PER ROW	"N"
-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]

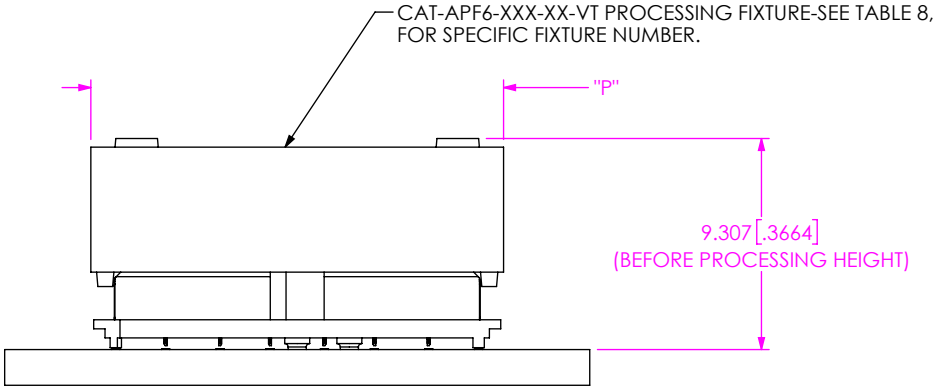


FIG 4
PROCESSING FIXTURE
(ONLY AVAILABLE IN -01.5 LEAD STYLE)

NOTE:
FIG 4, DIMENSION 9.307[.3664] INDICATES CONNECTOR/FIXTURE HEIGHT ON PCB.
TO GUARANTEE ENOUGH REFLOW OVEN WORKING SPACE, DIMENSION 9.307[.3664],
PCB THICKNESS, AND THE HEIGHT OF THE COMPONENTS ON THE OPPOSITE
SIDE OF THE BOARD NEED TO BE CONSIDERED.

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TABLE 8			
APX6 FIXTURE TOOLS			
PART NUMBERS	POSITIONS	ROW	"P"
CAT-APF6-100-04-VT	100	-04	8.99 [0.354]
CAT-APF6-100-08-VT	100	-08	18.21 [0.717]

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BY: B BLESSING 4/24/2018 SHEET 4 OF 4