



**THE DATASHEET OF  
LPAM-40-01.5-S-08-2-K-TR**



DO NOT SCALE FROM THIS PRINT

PATENT PENDING

LPAM-XX-XX.X-X-XX-X-K-XR

TAPE & REEL (SEE NOTES 7 & 9)  
 -TR: TAPE & REEL  
 -FR: FULL REEL QTY TAPE & REEL

No. OF POSITIONS  
 -10, -20, -30, -40, \*\*50  
 (PER ROW)

LEAD STYLE  
 -01.0: 1.0mm  
 -01.5: 1.5mm

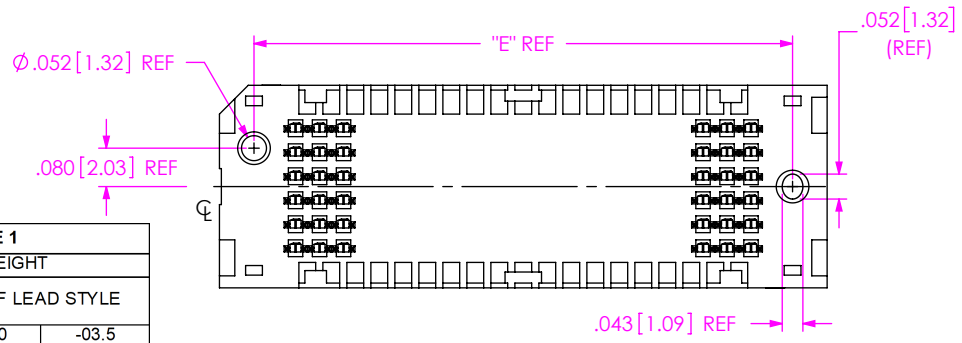
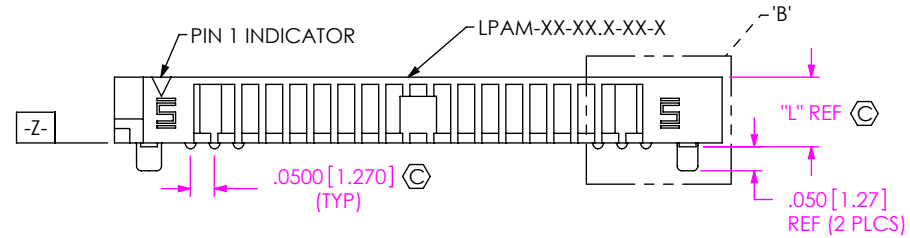
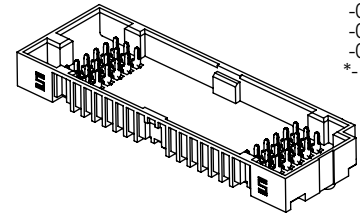
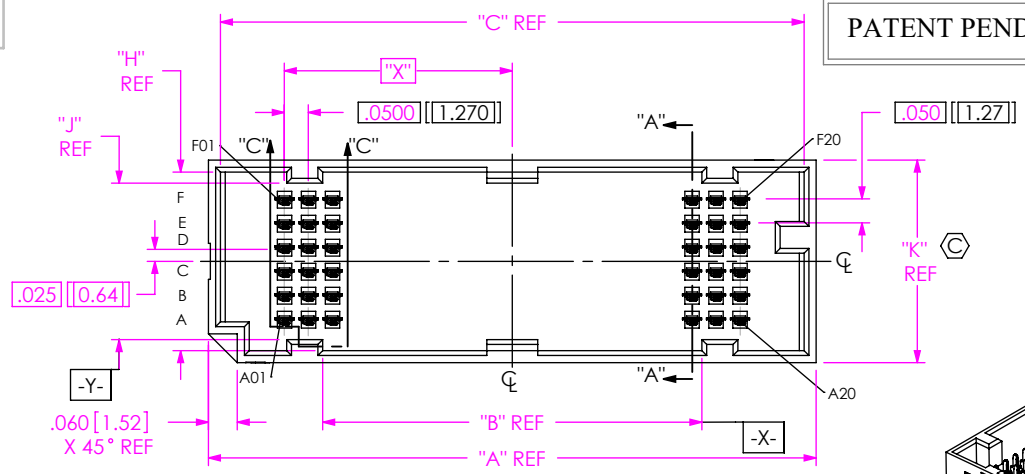
PLATING SPECIFICATION  
 -L: 10µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL  
 -S: 30µ" GOLD IN CONTACT AREA, MATTE TIN ON TAIL

OPTIONS  
 -K: POLYIMIDE PAD (SEE SHT 3, FIG. 3)

SOLDER COMPOSITION & STYLE  
 -1: 63.0% TIN / 37.0% LEAD CRIMP TAIL  
 -2: 95.5% TIN / 3.8% SILVER / .7% COPPER CRIMP TAIL

ROW  
 -04: 4 ROWS  
 -06: 6 ROWS  
 -08: 8 ROWS  
 \*-10: 10 ROWS

(\* = NOT TOOLED)  
 (\*\* = NOT TOOLED FOR 04, 06 & 10 ROWS)



**TABLE 1**  
STACK HEIGHT

LPAM LEAD STYLE	LPAF LEAD STYLE	
	-03.0	-03.5
-01.0	.157 [4.00]	.177 [4.50]
-01.5	.177 [4.50]	.197 [5.00]

FIG 1  
 LPAM-20-01.0-X-06-2-K-XR SHOWN  
 (SOME CENTER FEATURES REMOVED FOR CLARITY)

NOTES:

- ⊙ REPRESENTS A CRITICAL DIMENSION.
- PUSH OUT FORCE .25LBS [1.11N].
- THIS DIMENSION IS TO BE CHECKED AT FOUR CORNERS: PINS A1, AX, N1, & NX, WHERE X IS THE NUMBER OF POSITIONS AND N IS THE NUMBER OF ROWS.
- NOTE DELETED.
- NOTE DELETED.
- NOTE DELETED.
- ATTACH LABEL TO EACH REEL.
- MAXIMUM VARIATION BETWEEN ROWS: .003[0.08]. TO BE MEASURED AT FIRST AND LAST POSITIONS ONLY, ALL ROWS.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

**TABLE 5**

LEAD STYLE	"L"	"M"	"V"
-01.0	0.145 [3.68]	0.043 [1.09]	0.007 [0.18]
-01.5	0.165 [4.19]	0.063 [1.60]	0.017 [0.43]

**TABLE 4**

No. OF ROWS	"H"	"J"	"K"
-04	0.272 [6.91]	0.226 [5.74]	0.322 [8.18]
-06	0.372 [9.45]	0.326 [8.28]	0.422 [10.72]
-08	0.472 [11.99]	0.426 [10.82]	0.522 [13.26]
-10	0.572 [14.53]	0.526 [13.36]	0.622 [15.80]

**TABLE 3**

No. OF POS. PER ROW	"A"	"B"	"C"	"E"	"X"
-10	0.766 [19.46]	0.290 [7.37]	0.716 [18.19]	0.622 [15.80]	0.2222 [5.644]
-20	1.266 [32.16]	0.790 [20.07]	1.216 [30.89]	1.122 [28.50]	0.4722 [11.994]
-30	1.766 [44.86]	1.290 [32.77]	1.716 [43.59]	1.622 [41.20]	0.7222 [18.344]
-40	2.266 [57.56]	1.790 [45.47]	2.216 [56.29]	2.122 [53.90]	0.9722 [24.694]
-50	2.766 [70.26]	2.290 [58.17]	2.716 [68.99]	2.622 [66.60]	1.2222 [31.044]

**TABLE 2**

LPAM ASSY	BODY CALLOUT	TERMINAL SUB ASSY
LPAM-XX-01.0-X-XX-X-TR	LPAM-XX-01.0-XX-X	SUB-T-1M78-01.0-X-X
LPAM-XX-01.5-X-XX-X-TR	LPAM-XX-01.5-XX-X	SUB-T-1M78-01.5-X-X

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
 TOLERANCES ARE:  
 DECIMALS ANGLES  
 .XX: ±.01[0.3] 2°  
 .XXX: ±.005[0.13]  
 .XXXX: ±.0020[0.051]

**MATERIAL:** DO NOT SCALE DRAWING  
 INSULATOR: LCP, COLOR: BLACK  
 TERMINAL: COPPER ALLOY

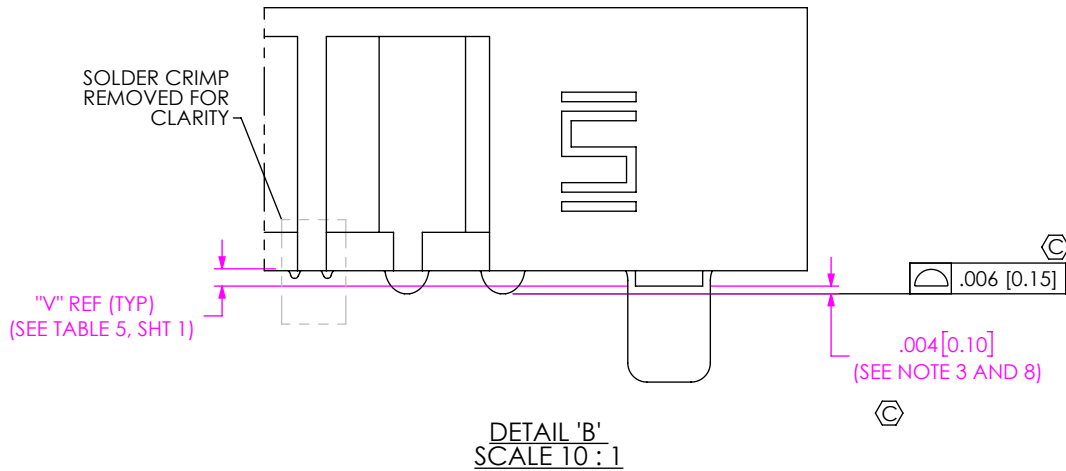
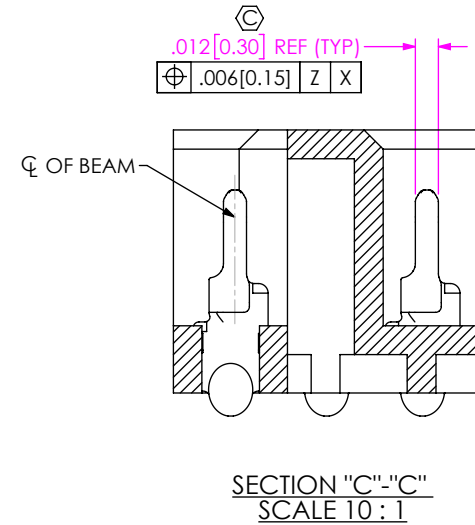
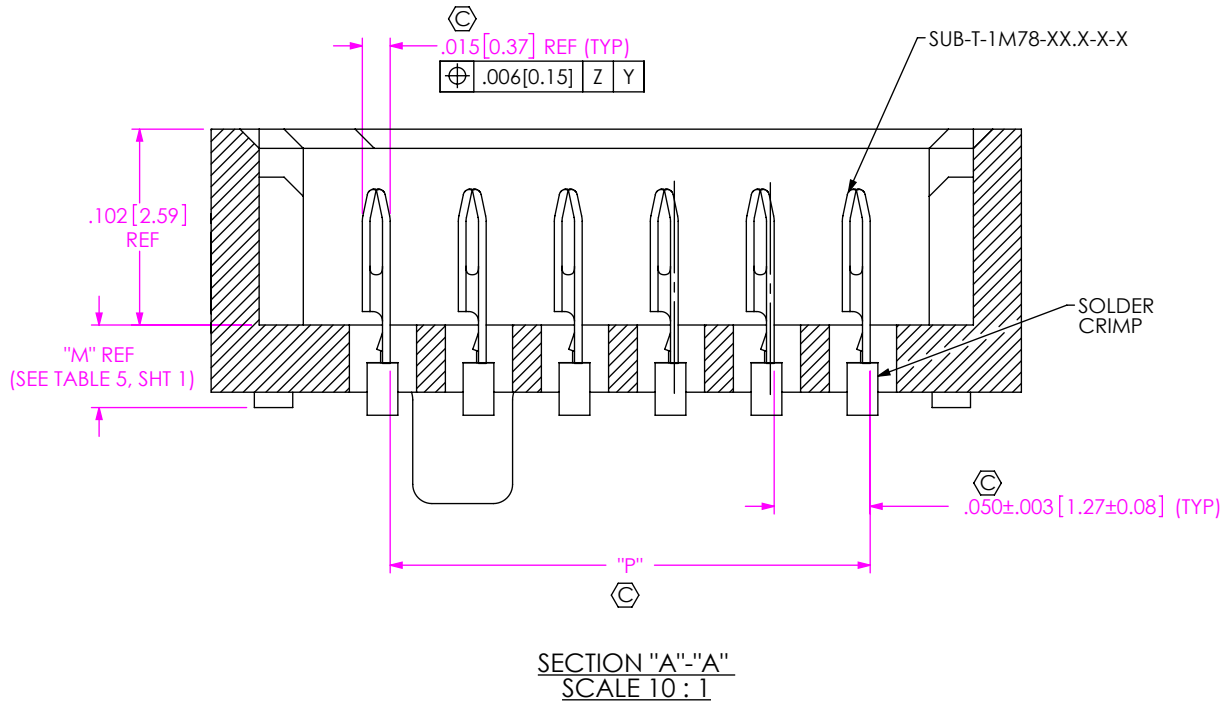
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 e-Mail info@SAMTEC.com code 55322

DESCRIPTION: LPAM TERMINAL ARRAY ASM

DWG. NO. LPAM-XX-XX.X-X-XX-X-K-XR

BY: KNOWLDEN 06/09/2009 SHEET 1 OF 3



**TABLE 6**

-No. OF ROWS	"P"
-04	0.150 [3.81]
-06	0.250 [6.35]
-08	0.350 [8.89]
-10	0.450 [11.43]

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SHEET SCALE: 2:1

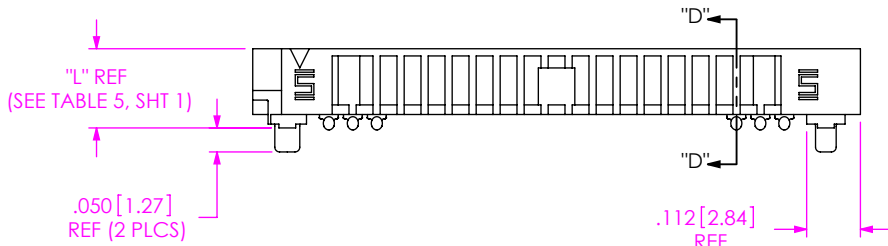


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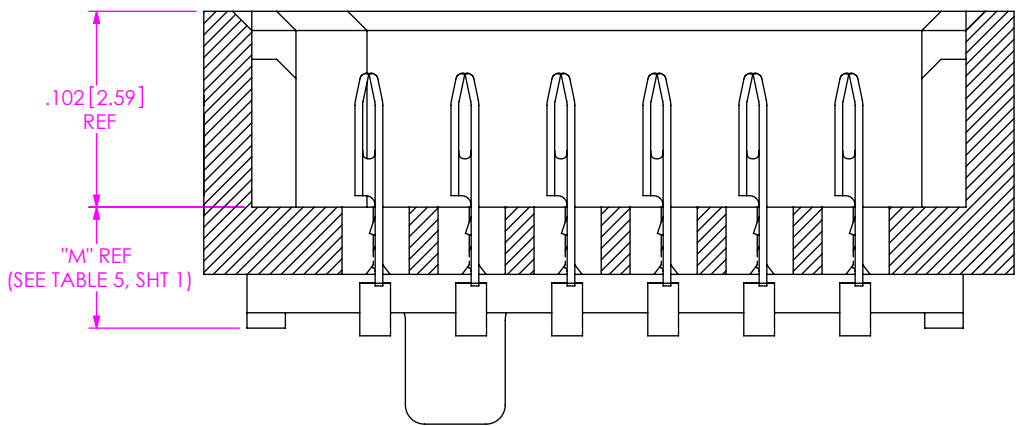
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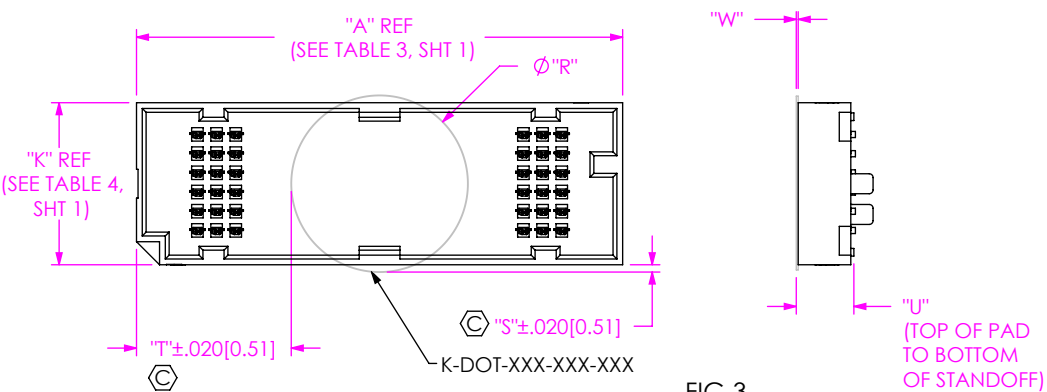
**FIG 2**  
LPAM-20-01.5-X-06-2-K-XR SHOWN  
(SOME CENTER FEATURES REMOVED FOR CLARITY)



**SECTION "D"-"D"**  
**SCALE 10:1**

**TABLE 7**

ROWS	DOT APPLICATOR POLYIMIDE TAPE CALLOUT	"R"	"S"	"T"				
				10 POS.	20 POS.	30 POS.	*40 POS.	*50 POS.
-04	K-DOT-.354-.469-.005	0.354 [8.99]	0.016 [0.41]	0.206 [5.23]	0.456 [11.58]	0.706 [17.93]	0.956 [24.28]	1.206 [30.63]
-06	K-DOT-.460-.550-.005	0.460 [11.68]	0.019 [0.48]	0.153 [3.89]	0.403 [10.24]	0.653 [16.59]	0.903 [22.94]	1.153 [29.29]
-08	K-DOT-.551-.625-.010	0.551 [14.00]	0.015 [0.37]	0.108 [2.74]	0.358 [9.09]	0.608 [15.44]	0.858 [21.79]	1.108 [28.14]
-10	K-DOT-.649-.750-.005	0.649 [16.48]	0.014 [0.34]	0.059 [1.50]	0.309 [7.85]	0.559 [14.20]	0.809 [20.55]	1.059 [26.90]



**FIG 3**  
-K POLYIMIDE PAD  
(USE K-DOT-XXX-XXX-XXX)  
LPAM-20-01.0-X-06-2-K-XR SHOWN  
(SOME CENTER FEATURES REMOVED FOR CLARITY)

**TABLE 8**

ROW	"U"		"W"
	LEAD STYLE		
	-1.0	-1.5	
-04	.150 [3.81]	.170 [4.32]	.005 [0.13]
-06	.150 [3.81]	.170 [4.32]	.005 [0.13]
-08	.155 [3.94]	.175 [4.45]	.010 [0.25]
-10	.150 [3.81]	.170 [4.32]	.005 [0.13]

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