

DO NOT SCALE FROM THIS PRINT

1. REPRESENTS A CRITICAL DIMENSION
2. MINIMUM PUSHOUT FORCE: .5LB (8 OZ)
3. ONE POSITION WILL BE LOST FOR EVERY CUT MADE ON A SOCKET STRIP
4. TUBE PACKAGE POSITIONS 5-50 ONLY. POSITIONS 2-4 ARE TO BE PLACED IN ANTISTATIC BUBBLE BAGS P/N ASBBLT4X5.5.
5. SHEAR TAILS TO DIMENSIONS SHOWN
6. PARTS TO BE SYMMETRICAL ABOUT  $\phi$  WITHIN  $\pm 0.015$  [0.038].
7. ENDWALL AFTER CUTTING:  $.0185$  [0.470]  $\pm$   $.0025$  [0.064]
8. VOID CORES MAY NOT BE PRESENT.
9. HAND FILL USE C-106-01-XX. AUTOMATION USE C-106-22-XX. C-106-02-XX CAN BE SUBBED FOR C-106-22-XX.
10. MAX CUT FLASH:  $.010$  [0.27] WITH NO FLASH ALLOWED IN HOLES OR EXTENDING BELOW LEADS.
11. MAX BURR:  $.005$  [0.13].
12. ALL -PA OPTION PARTS SHIP IN EIA-960 TRAYS.
13. DOES NOT APPLY TO -BE END OPTION.

CLP-1XX-XX-XXX-D-XX

No OF POSITIONS PER ROW

-02 THRU -50

LEAD STYLE SPEC

-02: SURFACE MOUNT (USE C-106-X2-XXX) (SEE NOTE 9)

OPTION

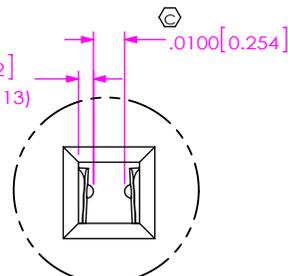
- P: PICK & PLACE PAD (USE LMP-01) (AVAILABLE ON POSITION -05 THRU -50 ONLY) (NOT AVAILABLE WITH -PA OR -K OPTIONS) (SEE FIG 3, SHT 2)
- A: ALIGNMENT PIN (USE CLP-XX-D-XX) (NOT AVAILABLE WITH -PA OPTION) (SEE FIG 2, SHT 2)
- TR: TAPE AND REEL
- BE: BOTTOM ENTRY ONLY (USE CLP-XX-DBE-XX)
- PA: PICK & PLACE PAD WITH ALIGNMENT PINS (NOT AVAILABLE WITH -P, -A, OR -K OPTIONS) (SEE SHT 2, TABLE 3) (SEE NOTE 12)
- K: POLYIMIDE FILM PAD (AVAILABLE ON -05 THRU -50 POSITIONS. USE K-DOT-157-.250-.005. (SEE FIG 5, SHT 2) (NOT AVAILABLE WITH -P OR -PA OPTIONS)

BODY SPEC

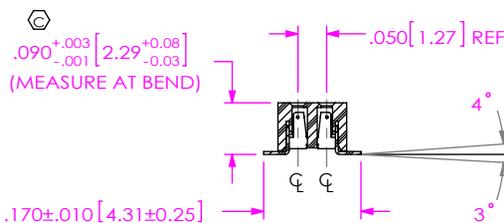
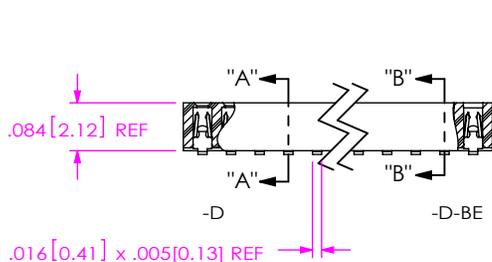
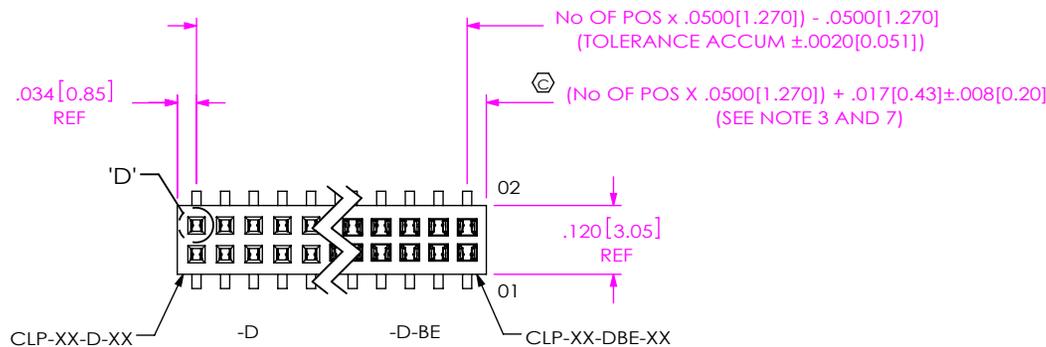
-D: DOUBLE ROW (USE CLP-XX-D)

PLATING SPEC

- F:  $3\mu$ " FLASH SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL
- L:  $10\mu$ " LIGHT SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL
- S:  $30\mu$ " SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL
- G:  $10\mu$ " GOLD IN CONTACT AREA  $3\mu$  ON TAIL
- H:  $30\mu$ " HEAVY GOLD IN CONTACT AREA  $3\mu$ " ON TAIL
- LM:  $10\mu$ " LIGHT SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL
- FM:  $3\mu$ " FLASH SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL
- SM:  $30\mu$ " SELECTIVE GOLD IN CONTACT AREA MATTE TIN ON TAIL
- LTL:  $10\mu$ " LIGHT SELECTIVE GOLD IN CONTACT AREA TIN/LEAD (90/10+/-5%) TAIL



DETAIL 'D' SCALE 16:1



SECTION "A"-"A" (-D BODY: CLP-XX-D-XX)

	.004 [0.10]	POS. 02-35
	.006 [0.15]	POS. 36-50



SECTION "B"-"B" (-D-BE BODY: CLP-XX-DBE-XX) (DIFFERENT AS SHOWN, OTHERWISE SAME AS -D BODY)

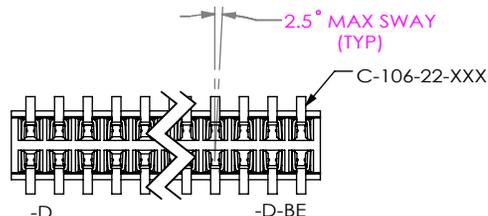
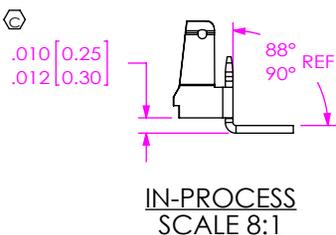


FIG 1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  
 DECIMALS ANGLES  
 .XX:  $\pm 0.01$  [0.3] 2°  
 .XXX:  $\pm 0.005$  [0.13]  
 .XXXX:  $\pm 0.0020$  [0.051]

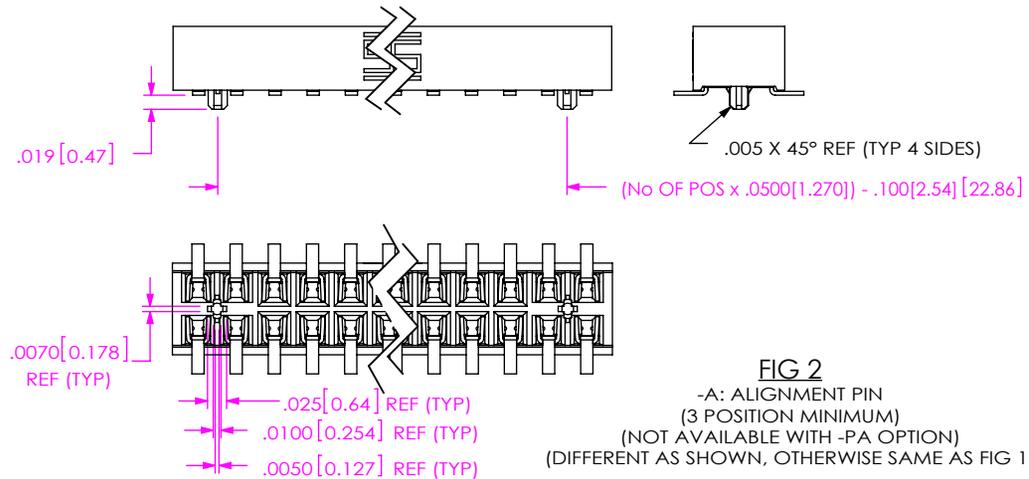
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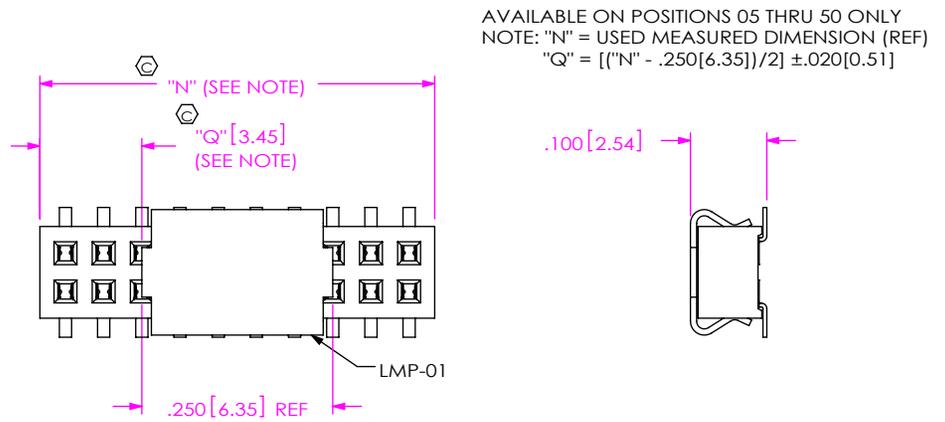
520 PARK EAST BLVD. NEW ALBANY, IN 47150  
 PHONE: 812-944-6733 FAX: 812-948-5047  
 e-Mail: info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1  
 INSULATOR: LCP, UL 94 VO, COLOR: BLACK  
 CONTACT: PHOS BRONZE

DESCRIPTION:  
 LOW PROFILE .050 x .050 DOUBLE ROW ASM  
 DWG. NO. CLP-1XX-XX-XXX-D-XX

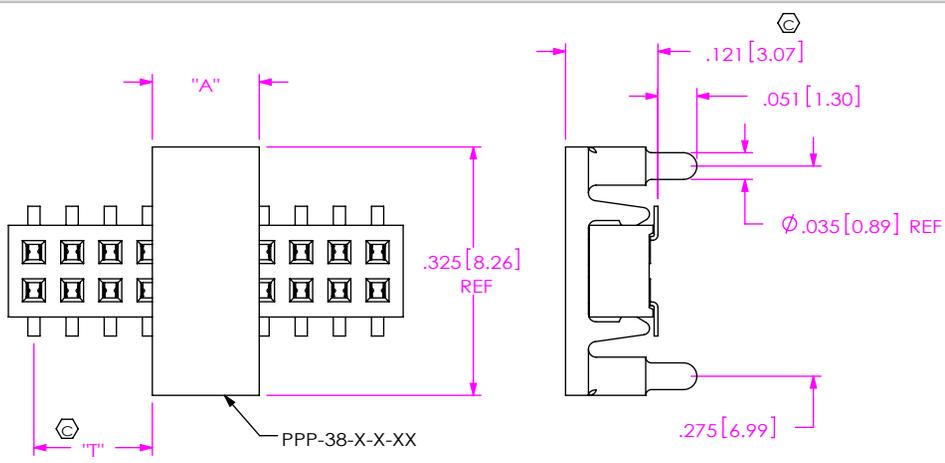


**FIG 2**  
 -A: ALIGNMENT PIN  
 (3 POSITION MINIMUM)  
 (NOT AVAILABLE WITH -PA OPTION)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

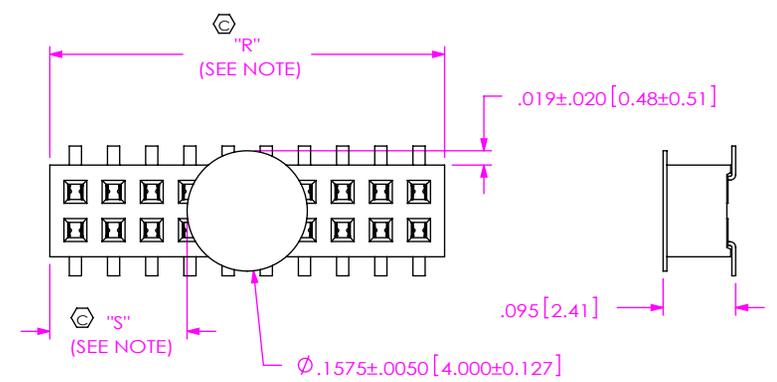


**FIG 3**  
 -P: PICK AND PLACE PAD  
 (AVAILABLE ON POSITION 05 THRU 50 ONLY)  
 (NOT AVAILABLE WITH -PA OR -K OPTIONS)

AVAILABLE ON POSITIONS 05 THRU 50 ONLY  
 NOTE: "N" = USED MEASURED DIMENSION (REF)  
 "Q" =  $\{("N" - .250 [6.35]) / 2\} \pm .020 [0.51]$



**FIG 4**  
 -PA: PICK & PLACE PAD WITH ALIGNMENT PINS  
 (NOT AVAILABLE WITH -P, -A OR -K OPTIONS)



**FIG 5**  
 -K: POLYIMIDE FILM PAD  
 (AVAILABLE ON POSITION 05 THRU 50 ONLY)  
 (NOT AVAILABLE WITH -P OR -PA OPTIONS)

NOTE: "R" = USED MEASURED DIMENSION (REF)  
 "S" =  $\{("R" - .1575 [4.000]) / 2\} \pm .020 [0.51]$

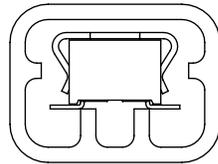
TABLE 3				
POS/ROW	PIN COUNT	PAD	"A"	"T"
4-15	ODD	PPP-38-O-4-15	.140 [3.56] REF	$\{((\text{No OF POS.} - 1) / 2) \times .050 [1.27]\} - .070 [1.78]$
	EVEN	PPP-38-E-4-15		
16-50	ODD	PPP-38-O-16-50	.280 [7.11] REF	$\{((\text{No OF POS.} - 1) / 2) \times .050 [1.27]\} - .140 [3.56]$
	EVEN	PPP-38-E-16-50		

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 SHEET SCALE: 4:1

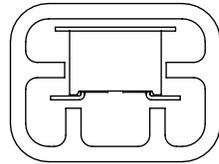


DESCRIPTION:  
 LOW PROFILE .050 x .050 DOUBLE ROW ASM  
 DWG. NO. **CLP-1XX-XX-XXX-D-XX**  
 BY: PURVIS 01/31/1994 SHEET 2 OF 3

**PACKAGING**  
(SEE NOTE 4, SHEET 1)



PT-CLX-002-D



PT-CLX-001-D

TABLE 2		
OPTION	TUBE	PLUG
NONE, -A	PT-CLX001-D	TP-33
-P, -A-P	PT-CLX002-D	TP-33
-A-K, -K	PT-CLX001-D	TP-33

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SHEET SCALE: 4:1



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DWG. NO. **CLP-1XX-XX-XXX-D-XX**

BY: PURVIS 01/31/1994 SHEET 3 OF 3