



**THE DATASHEET OF  
CLP-103-02-F-D**



DO NOT SCALE FROM THIS PRINT

1.  $\text{\textcircled{C}}$  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. NOTE DELETED.
7. TAIL SIDE ENDWALL AFTER CUTTING: .0160[0.406]±.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[.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 -03 THRU -50 POSITIONS. USE K-DOT-.157-.250-.005) (AVAILABLE ON -02 POSITIONS. USE K-DOT-.118-.219-.005)  
(SEE FIG 5, SHT 2)(NOT AVAILABLE WITH -P OR -PA OPTIONS)

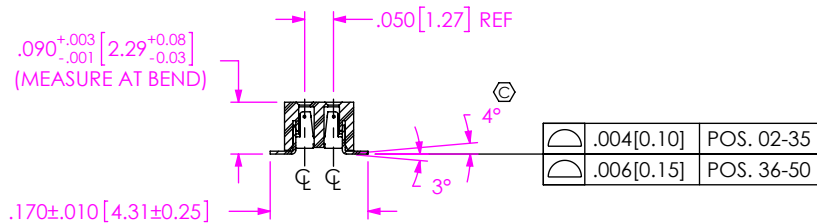
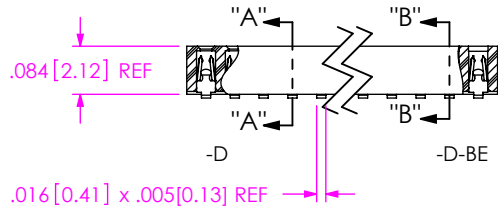
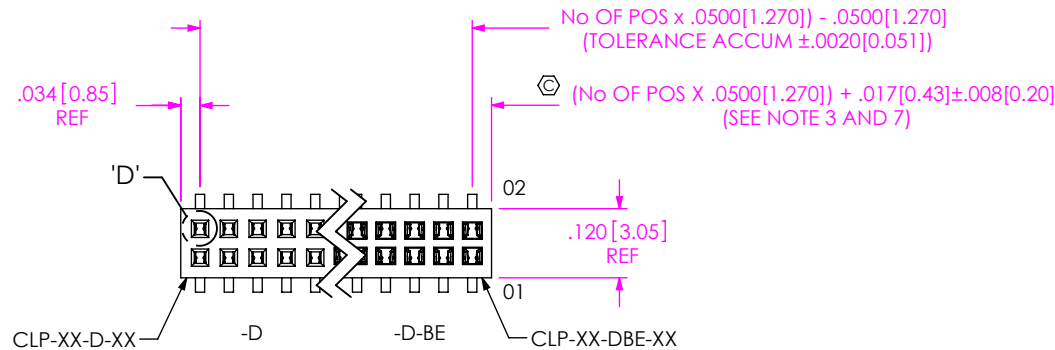
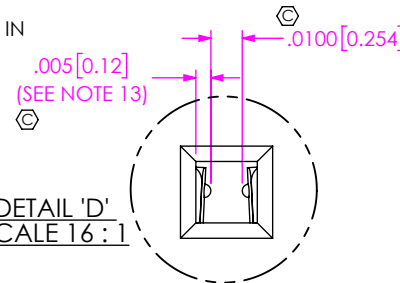
BODY SPEC

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

PLATING SPEC

- F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- G: 10μ" GOLD IN CONTACT AREA  
3μ" ON TAIL
- H: 30μ" HEAVY GOLD IN CONTACT AREA  
3μ" ON TAIL
- LM: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- FM: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA  
MATTE TIN ON TAIL
- LTL: 10μ" 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)



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

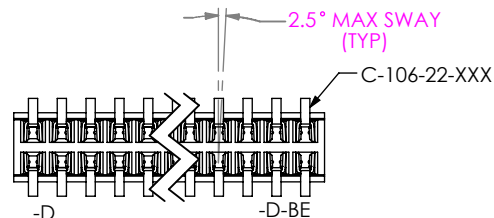
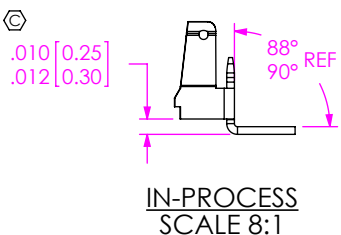


FIG 1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 [.3] 2°  
.XXX: ±.005 [.13]  
.XXXX: ±.0020 [.051]

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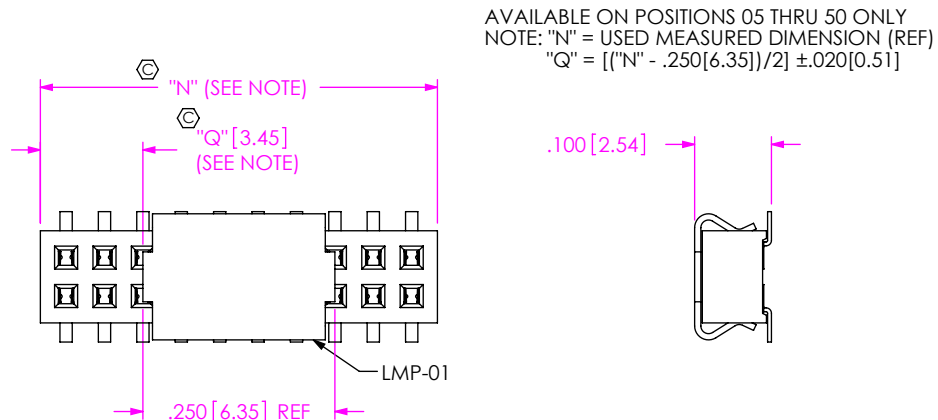
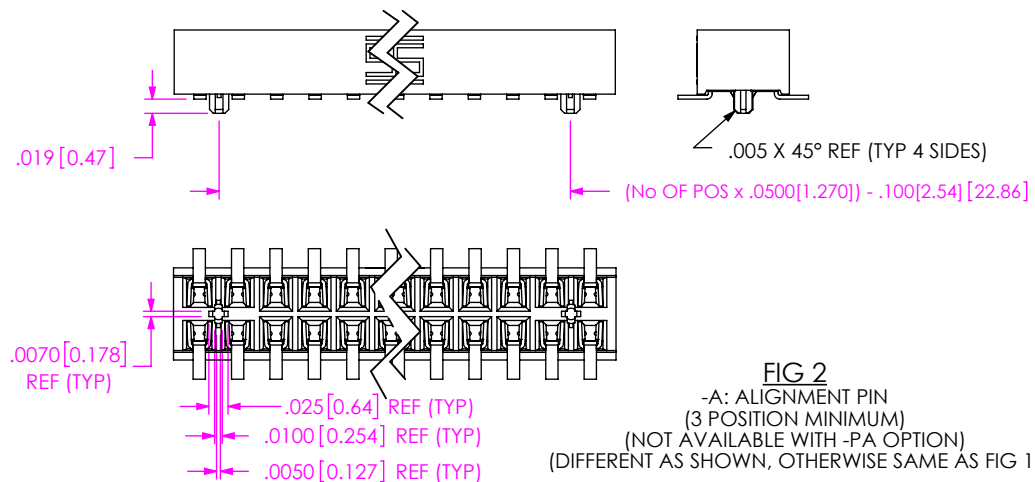
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1  
INSULATOR: LCP, UL 94 VO, COLOR: BLACK  
CONTACT: PHOS BRONZE

F:\DWG\MISC\MKTG\CLP-1XX-XX-XXX-D-XX-MKT.SLDDRW

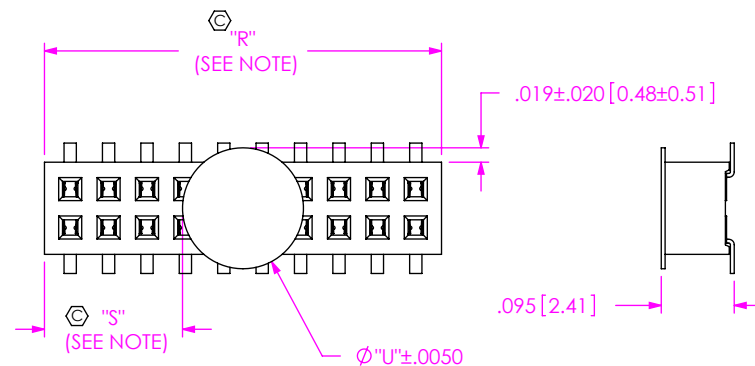
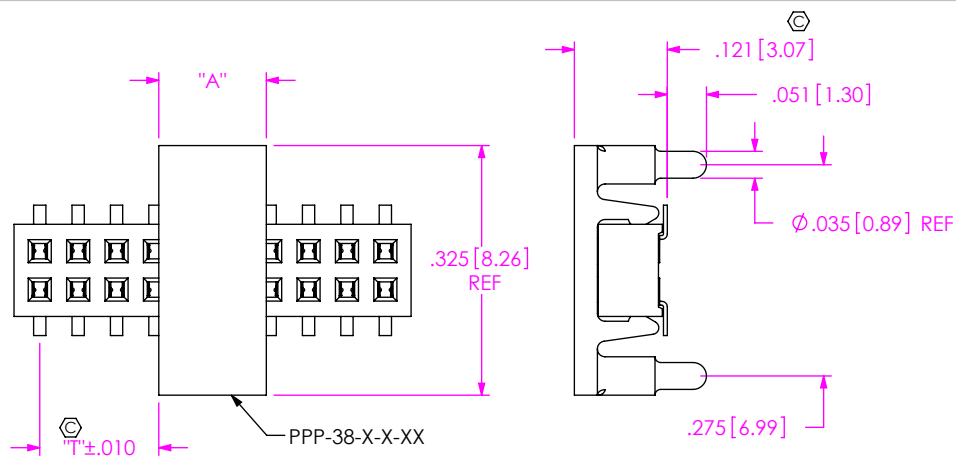


520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 53322

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



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



NOTE: "R" = USED MEASURED DIMENSION (REF)  
 "S" ON -03 THRU -50 POS =  $\{("R" - .1575[4.000])/2\} \pm .020[0.51]$   
 "S" ON -02 POS =  $\{("R" - .1180[2.997])/2\} \pm .020[0.51]$   
 "U" ON -03 THRU -50 POS = .1575 [4.000]  
 "U" ON -02 POS = .118 [2.997]

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

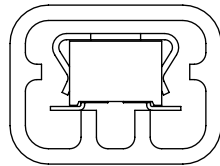
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DO NOT SCALE DRAWING  
 SHEET SCALE: 4:1

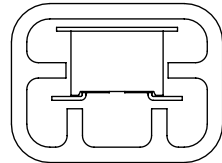
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 LOW PROFILE .050 x .050 DOUBLE ROW ASM  
 DWG. NO. **CLP-1XX-XX-XXX-D-XX**  
 BY: PURVIS 01/31/1994 SHEET 2 OF 3

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

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