1. Ⓒ REPRESENTS A CRITICAL DIMENSION
2. MINIMUM PUSHOUT FORCE: .5LB (8 OZ)
3. ONE POSITON WILL BE LOST FOR EVERY CUT MADE ON A SOCKET STRIP
4. TUBE PACKAGE POSITIONS 5-50 ONLY. POSITIONS 2-4 ARE TO BE LAYERED PACKAGED.
5. SHEAR TAILS TO DIMENSIONS SHOWN
6. PARTS TO BE SYMMETRICAL ABOUT ₵ WITHIN ±.0015[0.038].
7. ENDWALL AFTER CUTTING: .0185[0.470]±.0025[0.064]
8. VOID CORES MAY NOT BE PRESENT.
CD 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].

CLP-1XX-XX-XXX-D-XX
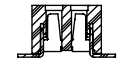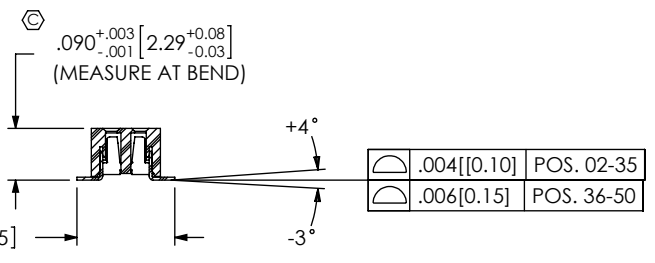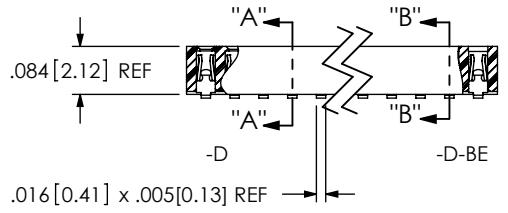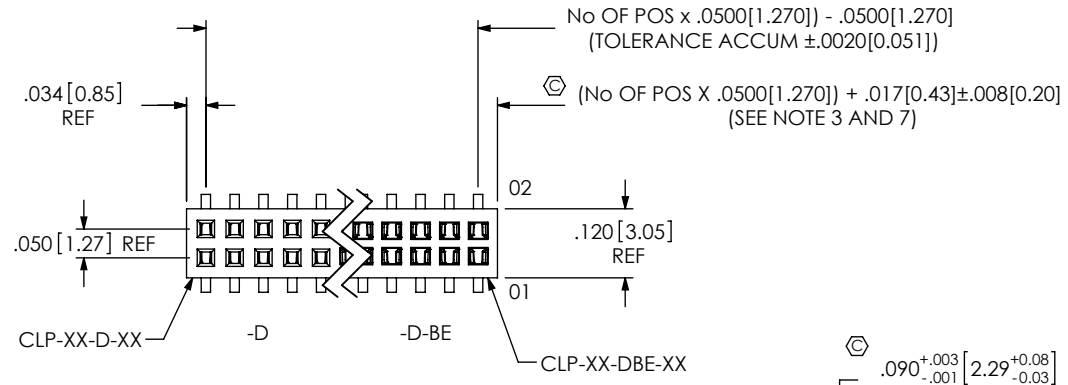
No OF POSITIONS PER ROW
-02 THRU -50

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

OPTION
-P: PICK & PLACE PAD (USE MPP-01)
   (AVAILABLE ON POSITON -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. 3, 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)
-K: POLYIMIDE FILM PAD (POSITIONS -05 THRU -50 ONLY)
   (USE K-500-300, SEE FIG. 5, SHT 2)
   (.005[0.13] THICKNESS WITH SILICONE ADHESIVE)
   (NOT AVAILABLE WITH -P OR -PA OPTIONS)

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

PLATING SPEC
(VALUES GIVEN ARE IN MICRO-INCHES)

-F: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
-L: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
-S: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
-G: GOLD, 10 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-H: HEAVY GOLD, 30 Au / 50 Ni MIN ON CONTACT, 3 Au / 50 Ni MIN ON TAIL
-LM: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
-FM: FLASH SELECTIVE, 3 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
-SM: SELECTIVE, 30 Au / 50 Ni MIN ON CONTACT, MATTE TIN TAIL
-LTL: LIGHT SELECTIVE, 10 Au / 50 Ni MIN ON CONTACT, TIN/LEAD (90/10+/-5%) TAIL

No OF POS x .0500[1.270]) - .0500[1.270]
(TOLERANCE ACCUM ±.0020[0.051])

Ⓒ (No OF POS X .0500[1.270]) + .017[0.43]±.008[0.20]
(SEE NOTE 3 AND 7)

.034[0.85] REF

.050[1.27] REF

.120[3.05] REF

02

01

CLP-XX-D-XX

-D   -D-BE

CLP-XX-DBE-XX

.084[2.12] REF

"A"   "B"

"A"   "B"

-D   -D-BE

.016[0.41] x .005[0.13] REF

2.5° MAX SWAY (TYP)

C-106-22-XXX

-D   -D-BE

FIG. 1

Ⓒ .090 +.003/-.001 [2.29 +0.08/-0.03]
(MEASURE AT BEND)

+4°

-3°

.170±.010[4.31±0.25]

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

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)

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

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REVISION CD

.019 [0.47]

.005 X 45° REF (TYP 4 SIDES)

(No OF POS x .0500[1.270]) - .100[2.54] [22.86]

.0070 [0.178] REF (TYP)
.025 [0.6350] REF (TYP)
.0100 [0.254] REF (TYP)
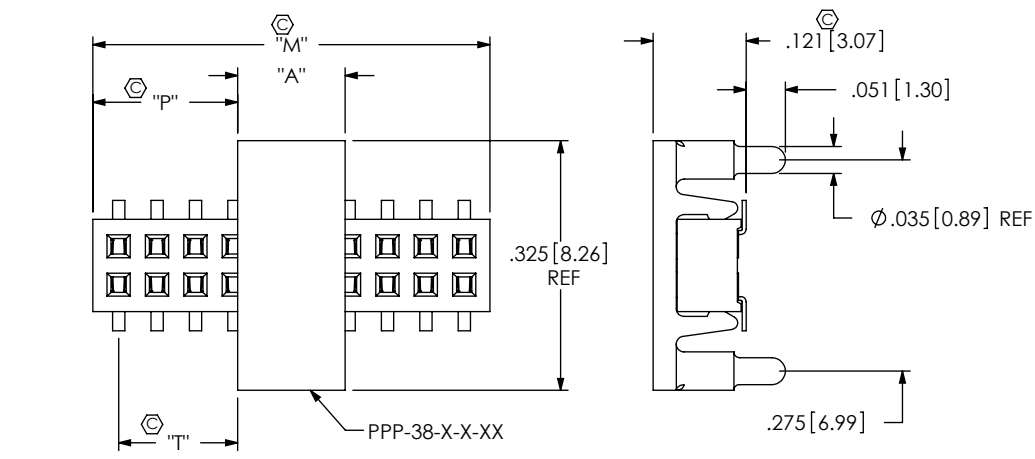.0050 [0.127] REF (TYP)

FIG. 2
-A: ALIGNMENT PIN
(3 POSITION MINIMUM)
(NOT AVAILABLE WITH -PA OPTION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG. 1)
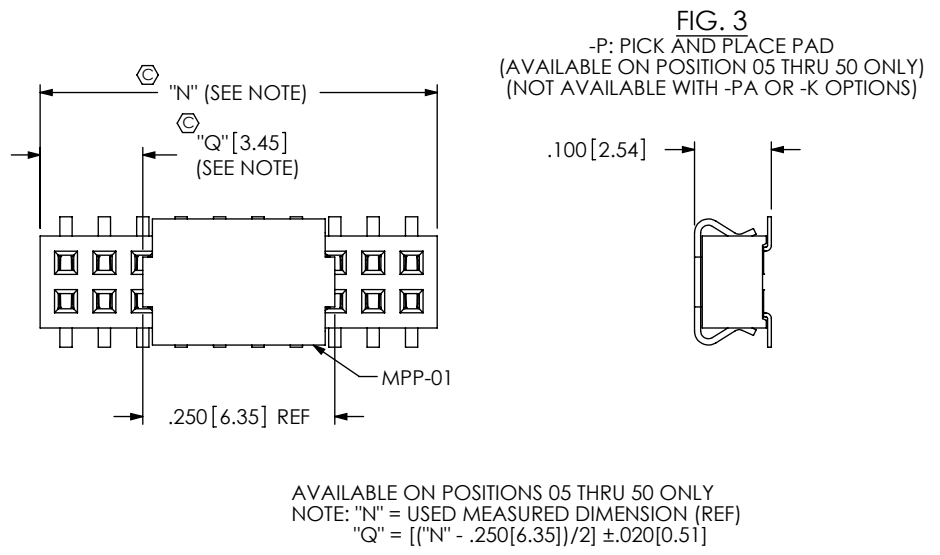
FIG. 3
-P: PICK AND PLACE PAD
(AVAILABLE ON POSITION 05 THRU 50 ONLY)
(NOT AVAILABLE WITH -PA OR -K OPTIONS)

"N" (SEE NOTE)

"Q" [3.45]
(SEE NOTE)

.100 [2.54]

MPP-01

.250 [6.35] REF

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

"M"
"A"
"P"

.121 [3.07]
.051 [1.30]

∅.035 [0.89] REF

.325 [8.26] REF

PPP-38-X-X-XX

"T"

.275 [6.99]

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

"R"
(SEE NOTE)

.019±.010 [0.48±0.25]

"S"
(SEE NOTE)

∅.1575±.0050 [4.000±0.127]

.095 [2.41]
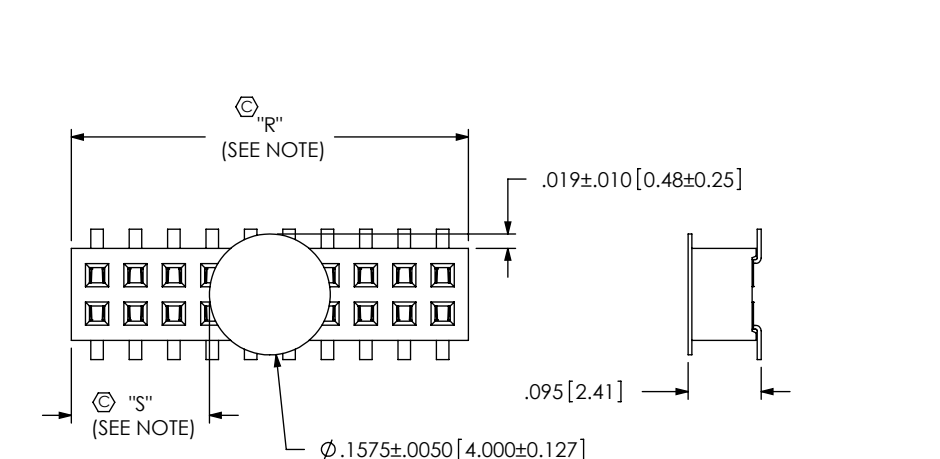
FIG. 5
-K: POLYIMIDE FILM PAD
(AVAILABLE ON POSITION 05 THRU 50 ONLY)
(NOT AVAILABLE WITH -P OR -PA OPTIONS)

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

TABLE 1			
POS/ROW	"A"	"M"	"P"
4-15	.140[3.56]REF	USED MEASURED DIMENSION (REF)	[("M" - "A")/2]±.020[0.51]
16-50	.280[7.11] REF		

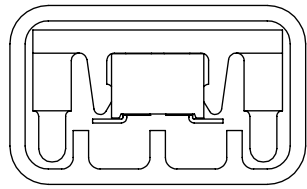| TABLE 3			
POS/ROW	PIN COUNT	PAD	"T"
4-15	ODD	PPP-38-O-4-15	(((No OF POS.-1)/2)x.050[1.27])-.070[1.78]
4-15	EVEN	PPP-38-E-4-15	
16-50	ODD	PPP-38-O-16-50	(((No OF POS.-1)/2)x.050[1.27])-.140[3.56]
16-50	EVEN	PPP-38-E-16-50	

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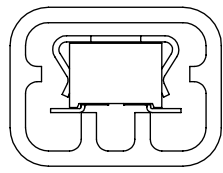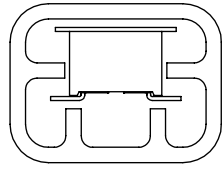PHONE: 812-944-6733   FAX: 812-948-5047
e-Mail info@SAMTEC.com   code 55322

DESCRIPTION:
LOW PROFILE .050 x .050 DOUBLE ROW ASM

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

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BY: PURVIS   01/31/1994   SHEET 2 OF 3

PACKAGING
(SEE NOTE 4, SHEET 1)

PT-CLP001-PA

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
-PA	PT-CLP001-PA	TP-24-02

PT-CLX-002-D

PT-CLX-001-D

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:
LOW PROFILE .050 x .050 DOUBLE ROW ASM

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

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

* = IF APPLICABLE

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