

DO NOT SCALE FROM THIS PRINT

- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
  - MINIMUM PUSHOUT FORCE: 2 LB.
  - FOR NON -LC & -A, USE 2TS-XX-D.
  - COPLANARITY TO INCLUDE INSULATOR.
  - MAXIMUM BURR ALLOWANCE: .002[0.05].
  - MAXIMUM CUT FLASH: .015[0.38]. (NO FLASH TO BE ON BOTTOM OF BODY).
  - MT OPTION: PIN B TO BE FLUSH TO +/- .003" A LINE MADE BY THE BODY  
-DH OPTION: PIN A TO BE FLUSH TO .003" ABOVE A LINE MADE BY THE BODY  
PIN B TO BE FLUSH TO .001" BELOW/.003" ABOVE A LINE MADE BY THE BODY  
-SH OPTION: PIN A TO BE FLUSH TO +/- .003" A LINE MADE BY THE BODY.
  - ⊗ ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIER MARKS IN THE POST AREA. (SEE TABLE 4)
  - DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
  - NOTE DELETED.
  - NOT ALL PARTS FOLLOW EIA-481 ORIENTATION IN THE T&R POCKET.

**TABLE 2**

LEAD STYLE	PIN A	PIN B	"C"	"D" REF
-01-SH	T-1S13-20-X-2	N/A	.126 [3.20]	.118 [3.00]
-01-DH	T-1S13-09-X-2	T-1S13-09-X-2	.126 [3.20]	.389 [9.88]
-01-MT	T-1S13-09-X-2	T-1S13-09-X-2	.126 [3.20]	N/A
-02-MT	T-1S13-09-X-2	T-1S13-09-X-2	.175 [4.45]	.331 [8.41]
-02-SH	T-1S13-02-X-2	N/A	.175 [4.45]	.123 [3.12]
-02-DH	T-1S13-09-X-2	T-1S13-09-X-2	.175 [4.45]	.331 [8.41]

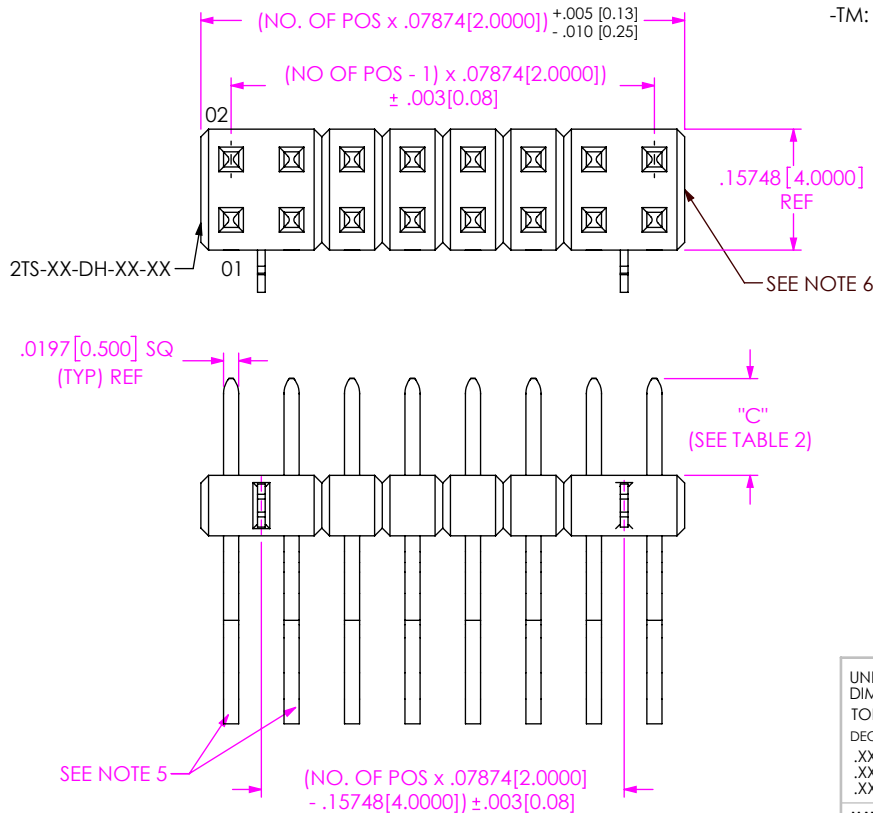


FIG 1  
MMT-108-01-X-DH-LC SHOWN

MMT-1XX-XX-XX-XX-XX-XXX-X-XX

No OF POSITIONS  
-02 THRU -50 (PER ROW)

LEAD STYLE  
-01: .126 [3.20] POST  
-02: .175 [4.45] POST  
(SEE TABLE 2)

PLATING SPECIFICATION

- H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" ON TAIL
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- T: MATTE TIN CONTACT AND TAIL
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN 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.
- TM: MATTE TIN CONTACT AND TAIL

OPTION  
-TR: TAPE AND REEL (37 POSITION MAX) (SEE NOTE 11)

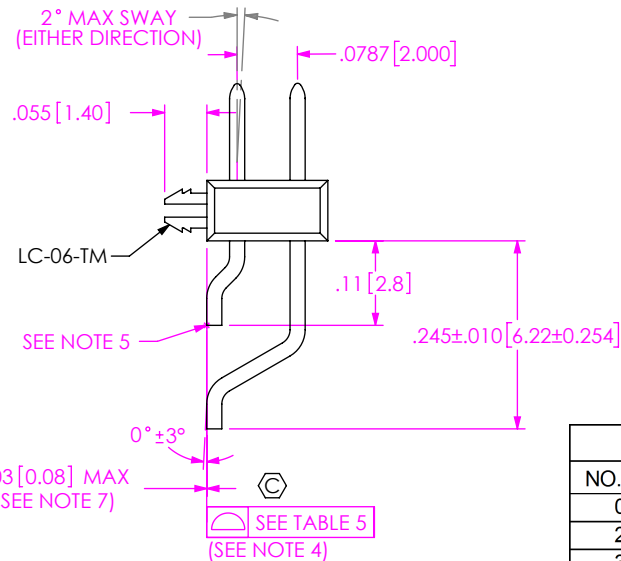
PAD OPTION  
-P: PICK & PLACE PAD (USE PPP-13) (2 POSITION MINIMUM)  
-K: POLYIMIDE FILM PAD (SEE FIG 14, SHT 6) (3 POS MIN) (USE K-DOT-.177-.281-.005)

OPTION  
-XXX: POLARIZED POSITION  
-XXX SPECIFIES POSITION OMITTED (SEE POLARIZATION VIEW)

OPTION (SEE NOTE 3)  
-LC: LOCKING CLIP (SEE NOTE 9) (FOR -DH USE 2TS-XX-DH-LC-XX) (FOR -SH USE 2TS-XX-SH) (NOT AVAILABLE WITH -A)  
-A: ALIGNMENT PIN (FOR -DH USE 2TS-XX-DH-A-XX) (FOR -SH USE 2TS-XX-SH-A-XX) (NOT AVAILABLE WITH -LC)

ROW OPTION

-SH: SINGLE (2TS-XX-SH-X-XX)  
-DH: DOUBLE (2TS-XX-DH-XX-XX)  
-MT: MIXED TECHNOLOGY (2TS-XX-DH-XX-XX) (NOT AVAILABLE WITH -LC, OR -A OPTIONS)



**TABLE 5**

NO. OF POS	COPLANARITY
02 - 25	.004[0.10]
26 - 36	.006[0.15]
37 - 50	.008[0.20]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

DECIMALS	ANGLES
.XX: ±.01 [.3]	5°
.XXX: ±.005 [.13]	
.XXXX: ±.0020 [.051]	

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**samtec**

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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1  
INSULATOR: LCP VECTRA; UL 94 V0;  
COLOR: BLACK  
TERMINAL: PHOS BRONZE

DESCRIPTION:  
2mm HORIZONTAL TERMINAL SURFACE MOUNT STRIP ASSEM  
DWG. NO.  
MMT-1XX-XX-XX-XX-XX-XXX-X-XX

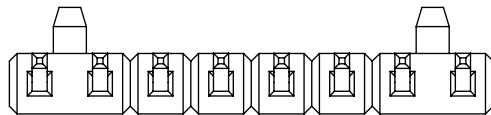
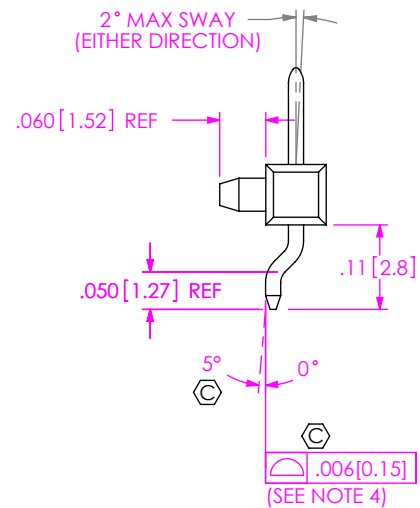
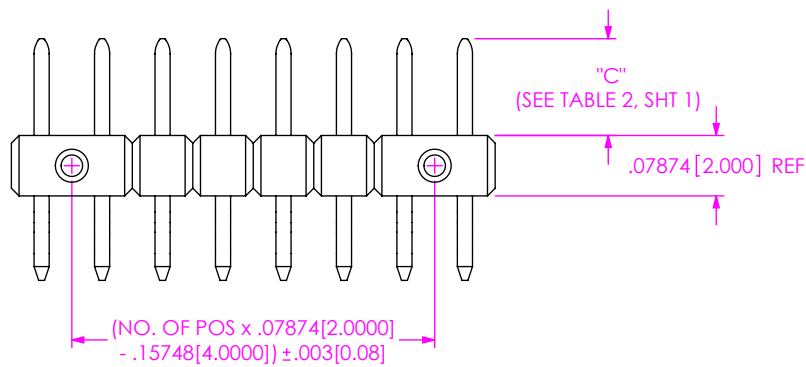
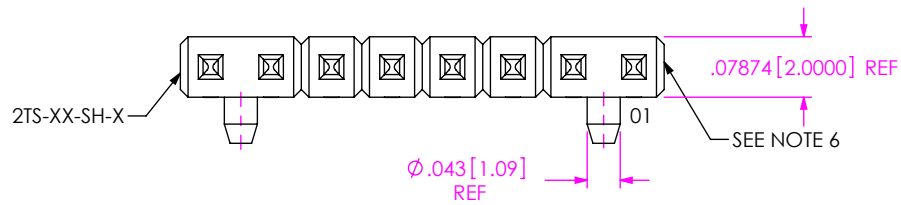


FIG 2  
MMT-108-01-X-SH-A SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

F:\DWG\MISC\MKTG\MMT-1XX-XX-XX-XX-XXX-X-XX-MKT.SLDDRW

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SHEET SCALE: 4:1

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2mm HORIZONTAL TERMINAL SURFACE MOUNT STRIP ASSEM

DWG. NO.  
MMT-1XX-XX-XX-XX-XX-XXX-X-XX

BY: DEAN P 12/12/2000 SHEET 2 OF 6

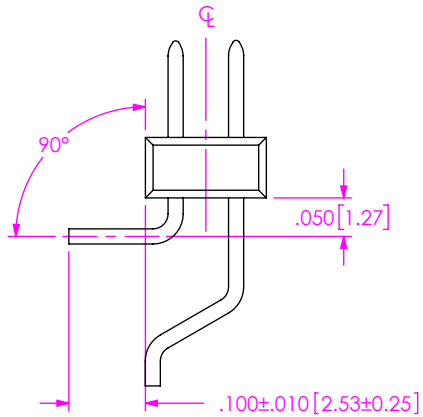


FIG 3  
-MT: MIXED TECHNOLOGY  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

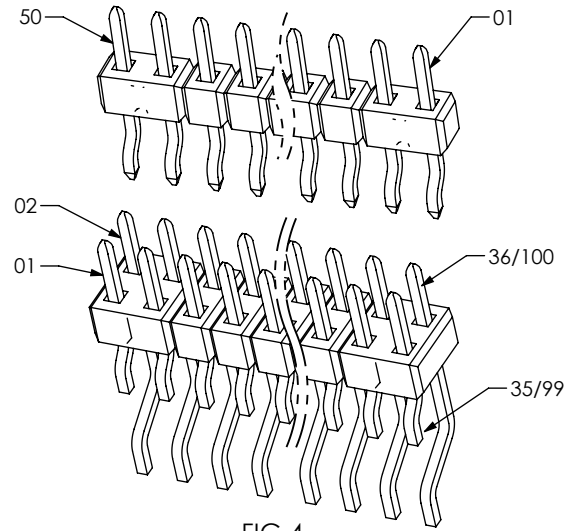


FIG 4  
POLARIZATION VIEW

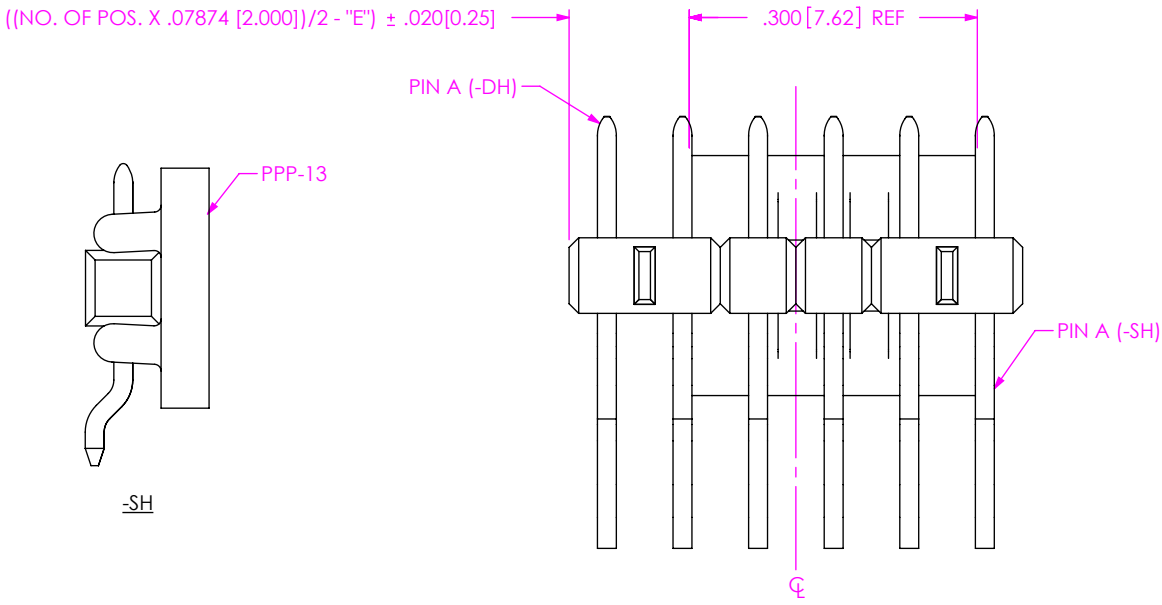
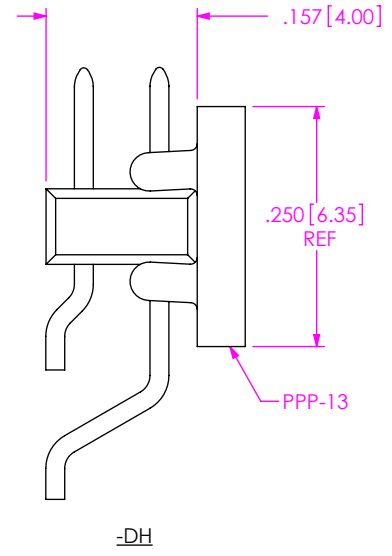


FIG 5  
-P: PICK & PLACE PAD OPTION



POS.	"E"
ODD	.150 [572]
EVEN	.111 [2.82]

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BY: DEAN P 12/12/2000 SHEET 3 OF 6

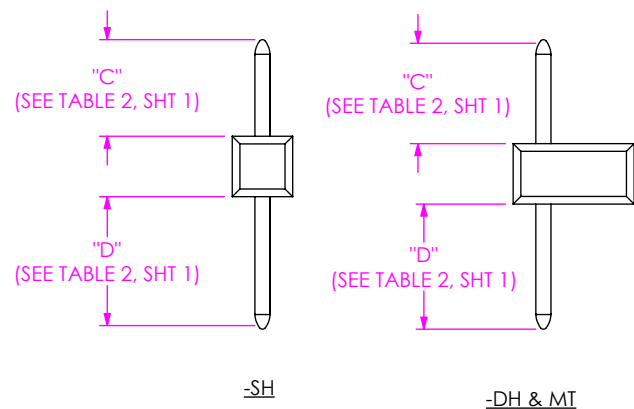


FIG 6  
IN-PROCESS 1

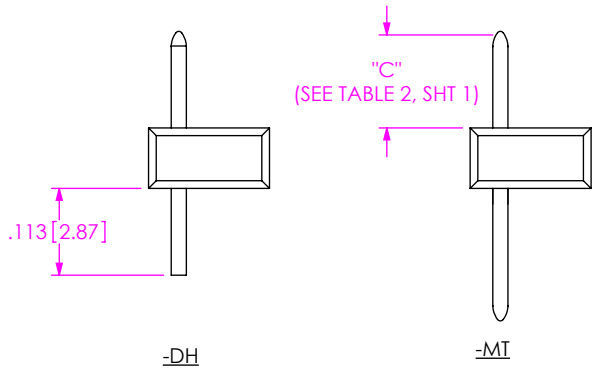


FIG 7  
IN-PROCESS 2

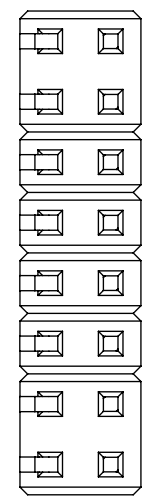
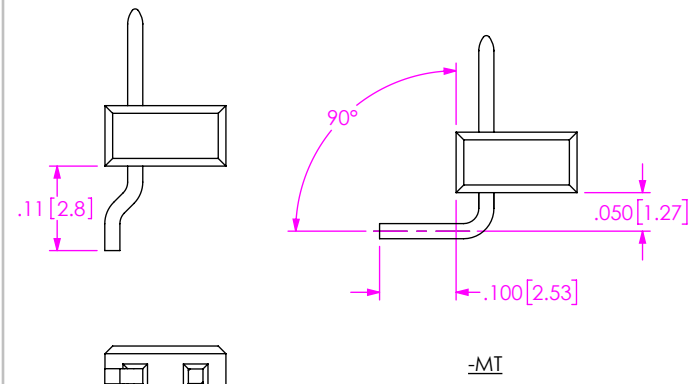


FIG 8  
IN-PROCESS 3

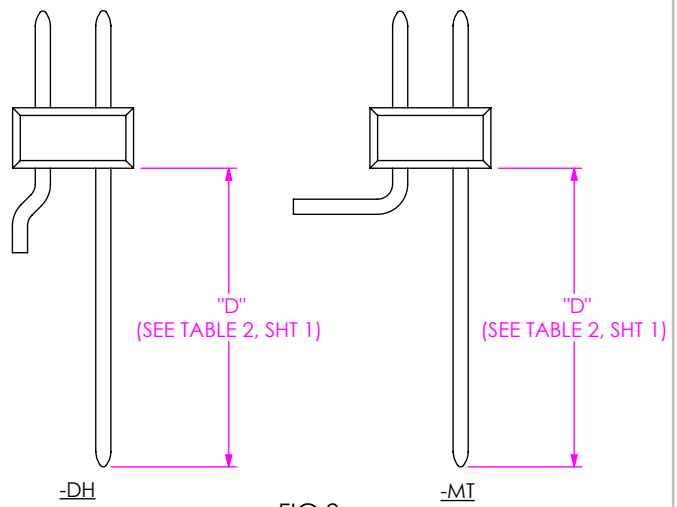


FIG 9  
IN-PROCESS 4

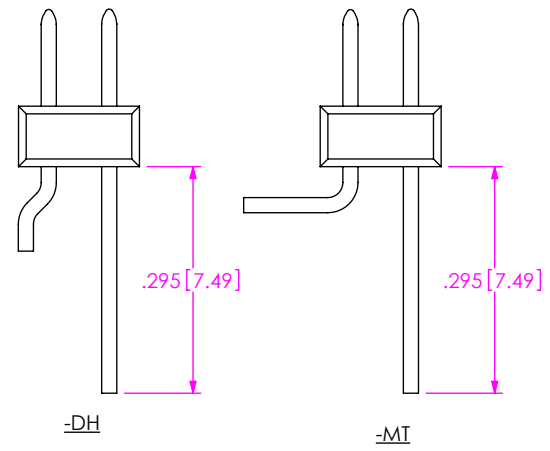


FIG 10  
IN-PROCESS 5

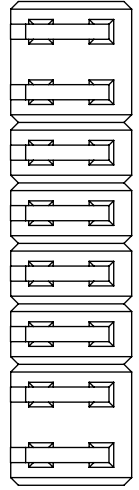
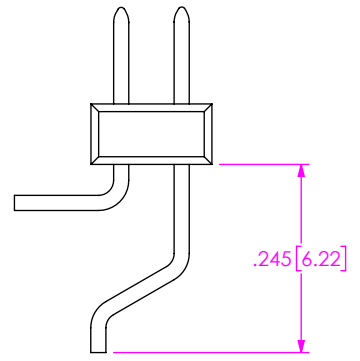
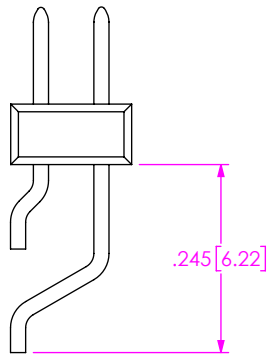
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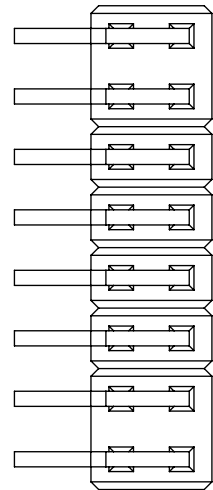


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 BY: DEAN P 12/12/2000 SHEET 4 OF 6



-DH



-MT

FIG 11  
IN-PROCESS 6

F:\DWG\MISC\MKTG\MMT-1XX-XX-XX-XX-XXX-X-XX-MKT.SLDDRW

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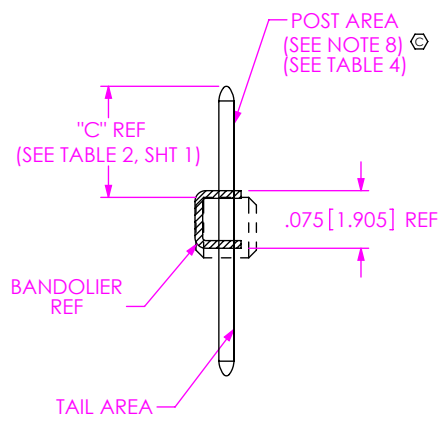


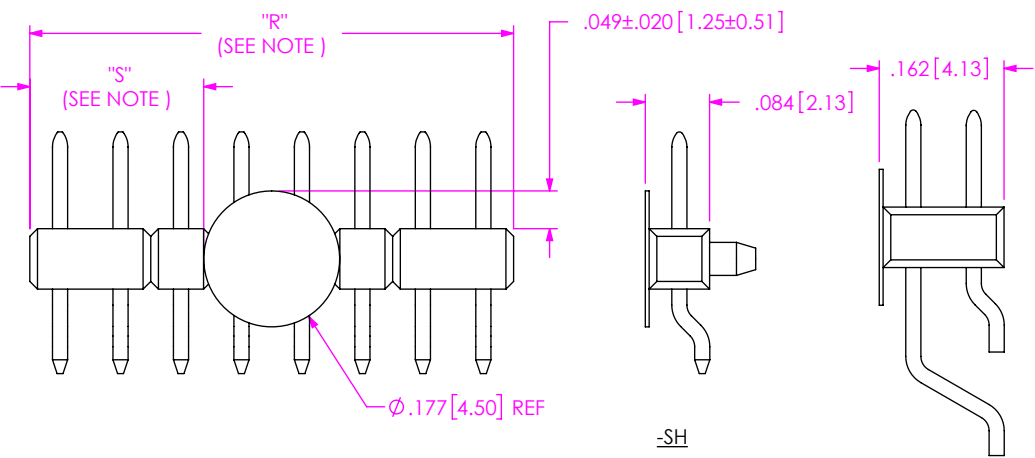
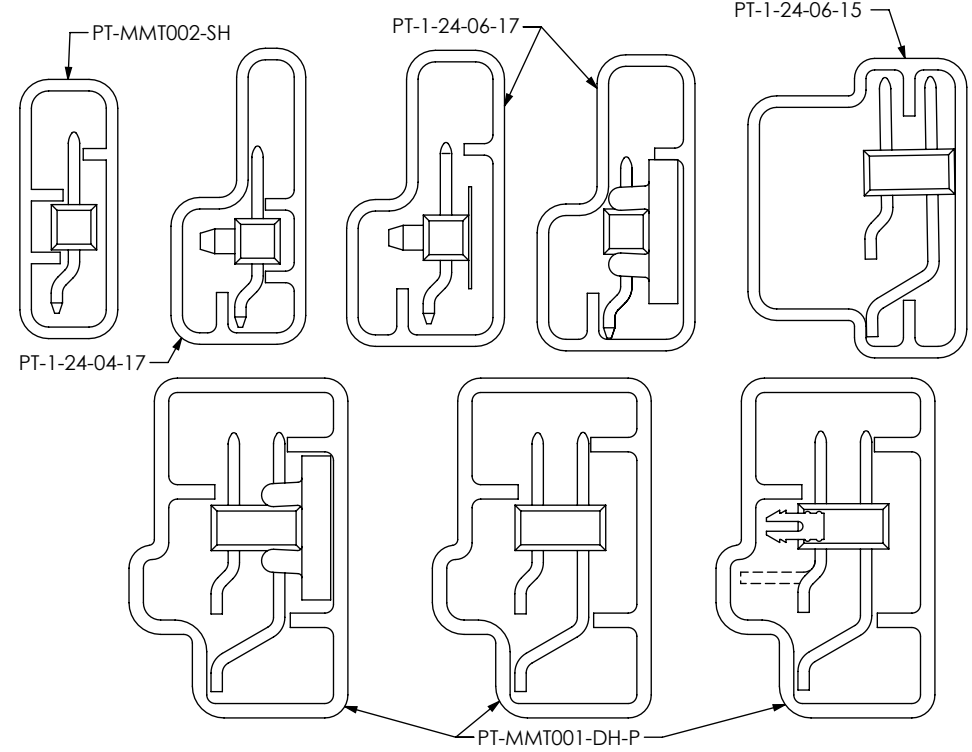
FIG 13  
-T PLATING ONLY

TABLE 4		
	NUMBER OF BAND MARKS ALLOWED IN THE POST	
LEAD STYLE	PIN A	PIN B
-01-SH	0	N/A
-01-DH	0	0
-01-MT	0	0
-02-MT	0	0
-02-SH	0	N/A
-02-DH	0	0

TABLE 3		
OPTION	PACKAGING TUBE	PLUG (2 EA)
-SH	PT-MMT002-SH	TP-33
-SH-A, -SH-LC	PT-1-24-04-17	TP-12
-SH-A-P, -SH-LC-P, -SH-P, -SH-A-K	PT-1-24-06-17	TP-24
-01-DH, -01-DH-A, -01-DH-LC, -01 MT	PT-MMT001-DH-P	TP-03
-DH-A, -DH-LC, -02-DH		
-MT-P, -02-DH-K, -01-MT-K -02-MT-K		
-DH-P, -DH-A-P, -DH-LC-P, -02-MT, -DH-A-K		
-01-DH-K, -01-DH-LC-K		
-01-SH-K	PT-MMT002-SH	TP-33
-02-SH-K	PT-1-24-06-15	TP-07
MMT-104-01-X-DH, MMT-104-01-X-DH-A, MMT-104-01-X-DH-LC		

NOTES:  
LOAD ALL PARTS (EXCEPT THOSE WITH -SH OPTION) POS 1 FIRST IN SAME DIRECTION AS ARROW.  
FOR 2 & 3 POSITIONS, TUBE PACKAGING ONLY AVAILABLE WITH -P OPTION. 2 & 3 POSITIONS WITHOUT -P OPTIONS MUST BE BULK PACKAGED IN ASBBLTXXX BUBBLE BAGS. ALL OTHERS, TUBE AS SHOWN.

PACKAGE PARTS AS SHOWN



NOTE: "R" = USED MEASURED DIMENSION (REF)  
"S" =  $\{ ("R" - .177 [4.50]) / 2 \} \pm .020 [0.51]$

FIG 14  
-K: POLYIMIDE FILM PAD

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