

DO NOT SCALE FROM THIS PRINT

- NOTES:
1. $\text{\textcircled{C}}$ REPRESENTS A CRITICAL DIMENSION.
 2. MINIMUM PUSHOUT FORCE: 2 LB.
 3. FOR NON -LC & -A, USE 2TS-XX-D.
 4. COPLANARITY TO INCLUDE INSULATOR.
 5. MAXIMUM BURR ALLOWANCE: .002[0.05].
 6. MAXIMUM CUT FLASH: .015[0.38]. (NO FLASH TO BE ON BOTTOM OF BODY).
 7. -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.
 8. ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIER MARKS IN THE POST AREA. (SEE TABLE 4)
 9. 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.
 10. NOTE DELETED.
 11. NOTE DELETED.
 12. TUBES ARE STANDARD PACKAGING.
 13. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 14. ATTACH LABEL TO EACH REEL.

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]

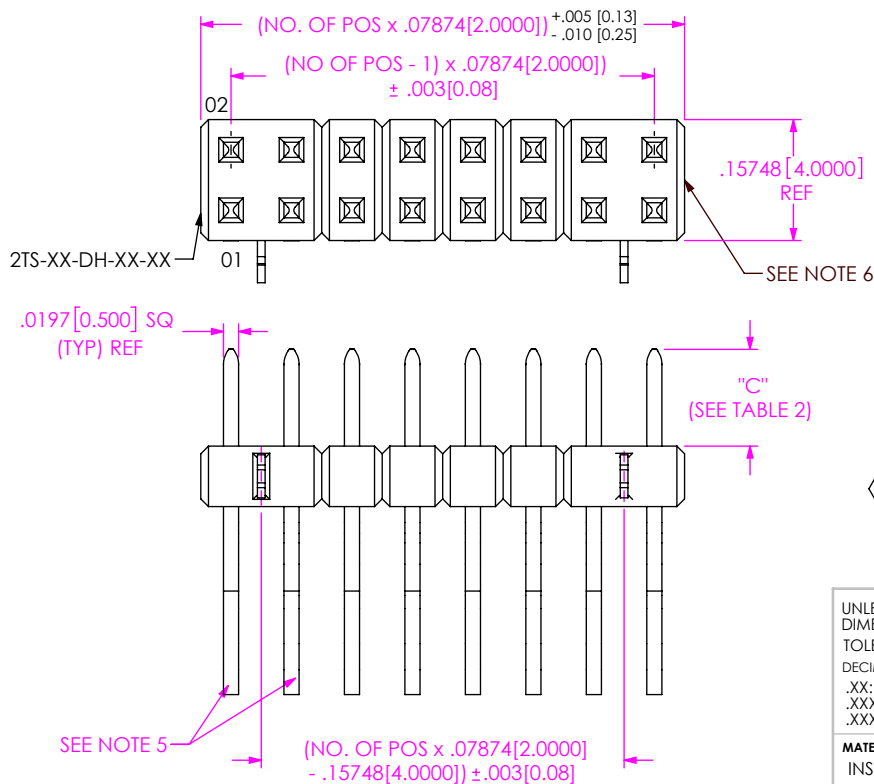


FIG 1
MMT-108-01-X-DH-LC SHOWN

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 IN 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

PACKAGING

- BLANK: TUBE (SEE SHT 6)
- TR: TAPE AND REEL (37 POSITIONS MAX) (SEE NOTES 13 & 14)
- FR: FULL REEL QTY. TAPE & REEL (37 POSITIONS MAX) (SEE NOTES 13 & 14)

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)

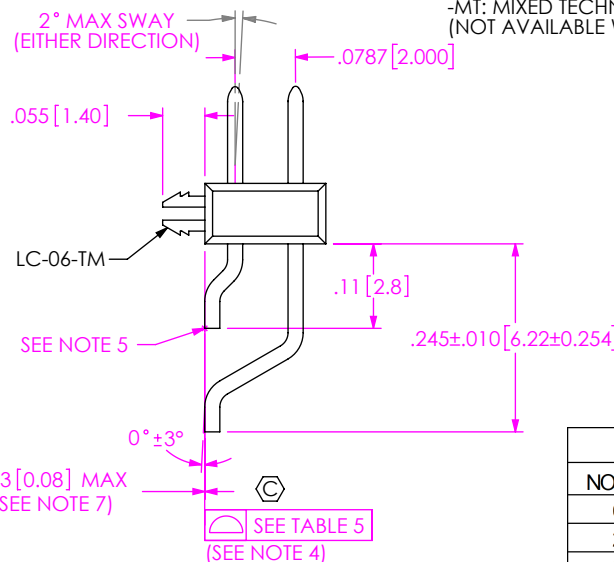


TABLE 5

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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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

BY: DEAN P 12/12/2000 SHEET 1 OF 6

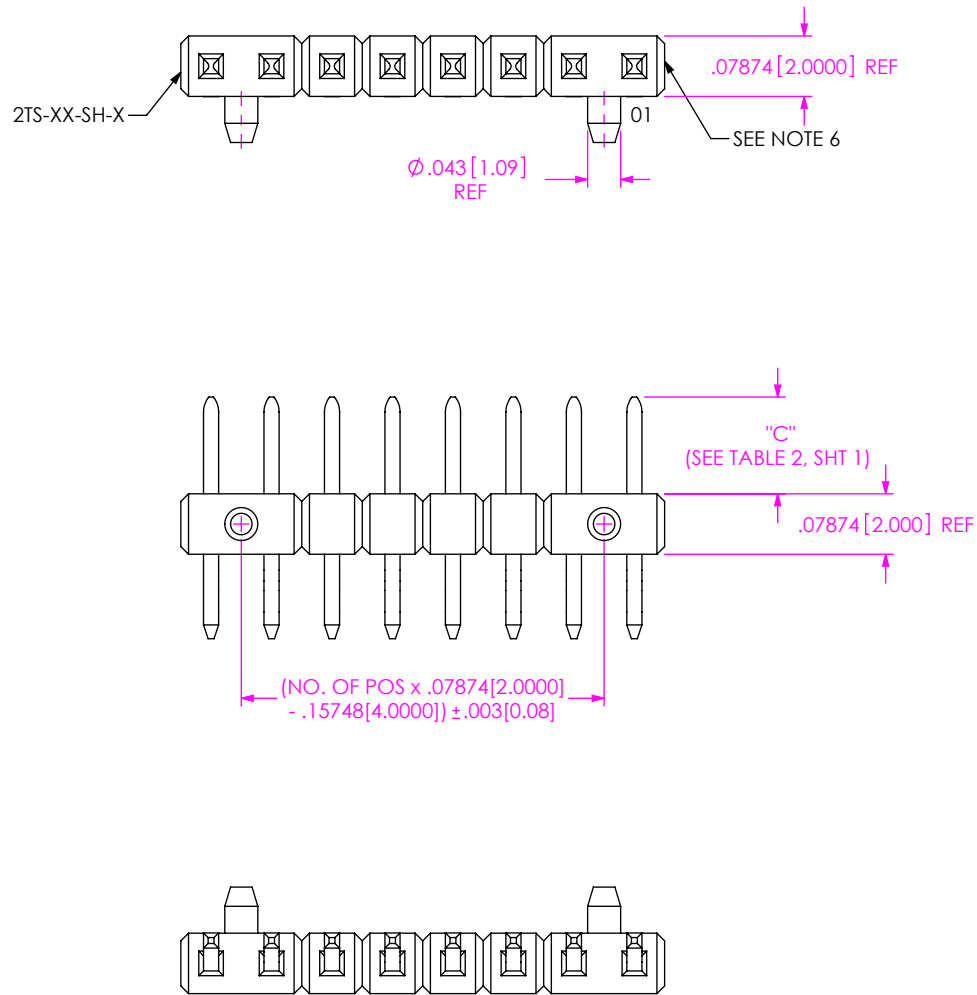


FIG 2
MMT-108-01-X-SH-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

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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

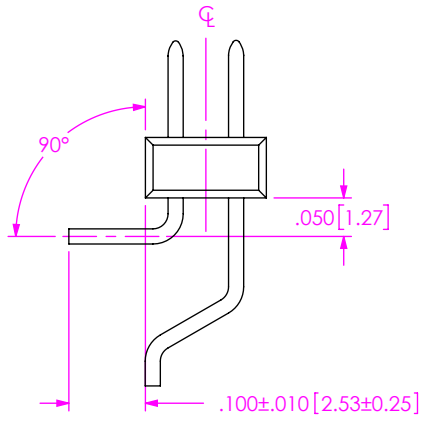


FIG 3
-MT: MIXED TECHNOLOGY
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

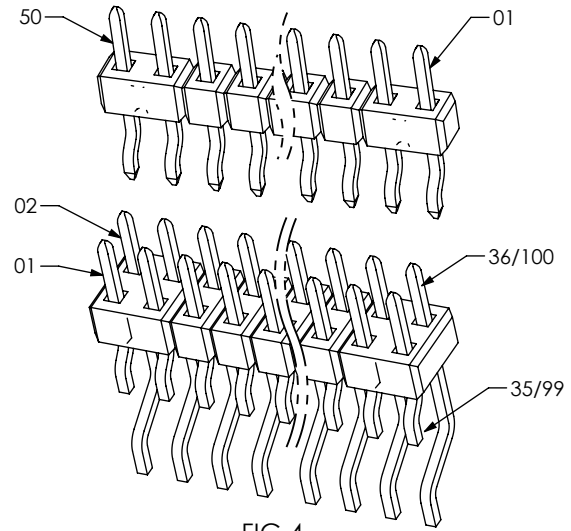


FIG 4
POLARIZATION VIEW

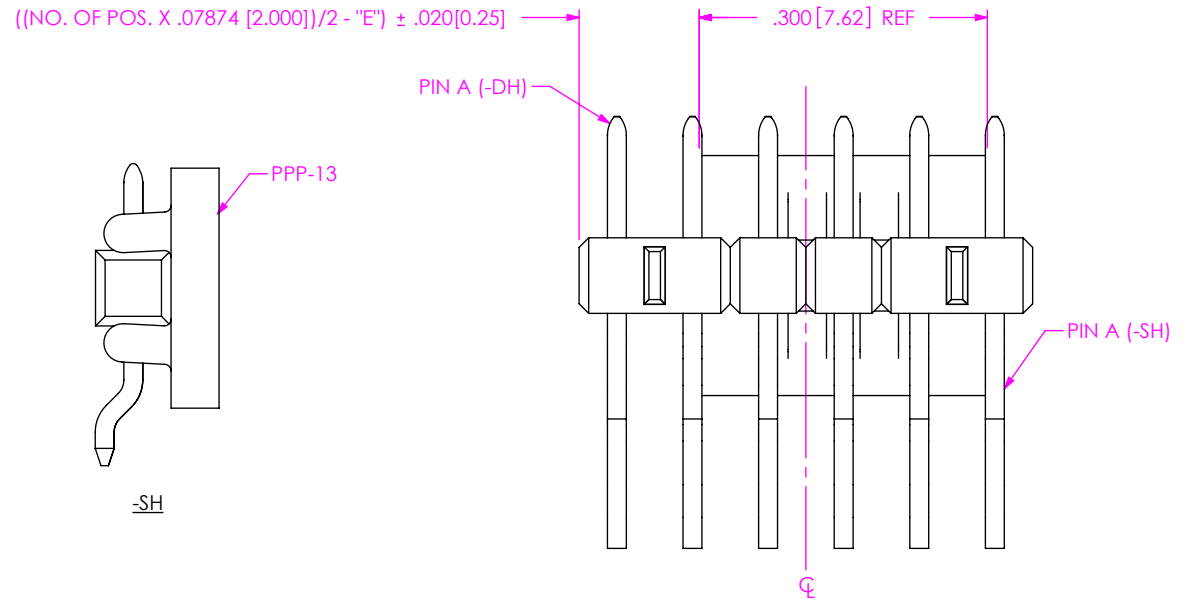
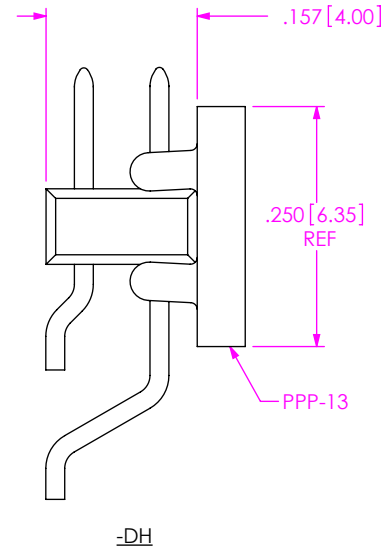


FIG 5
-P: PICK & PLACE PAD OPTION

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



-DH

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DWG. NO.
MMT-1XX-XX-XX-XX-XX-XXX-X-XX
BY: DEAN P 12/12/2000 SHEET 3 OF 6

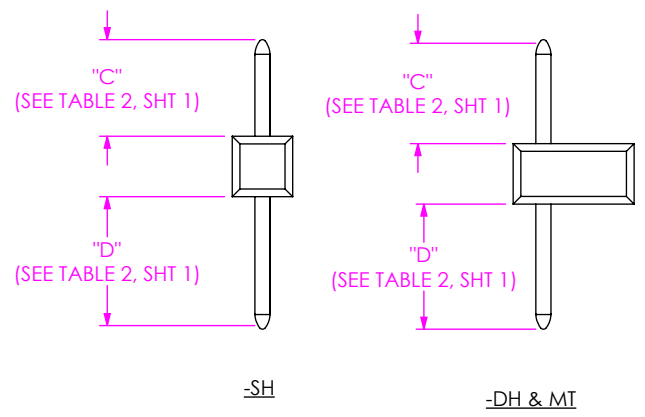


FIG 6
IN-PROCESS 1

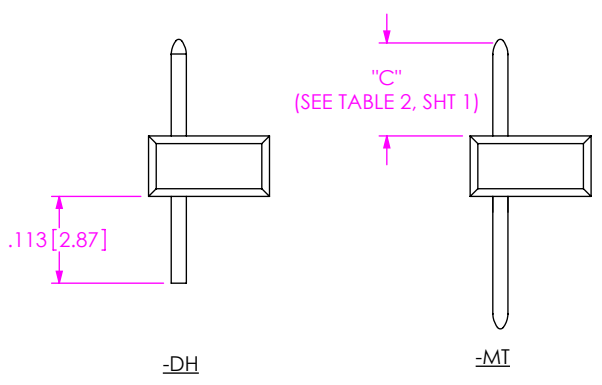


FIG 7
IN-PROCESS 2

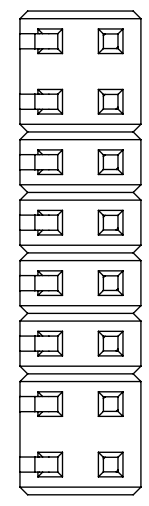
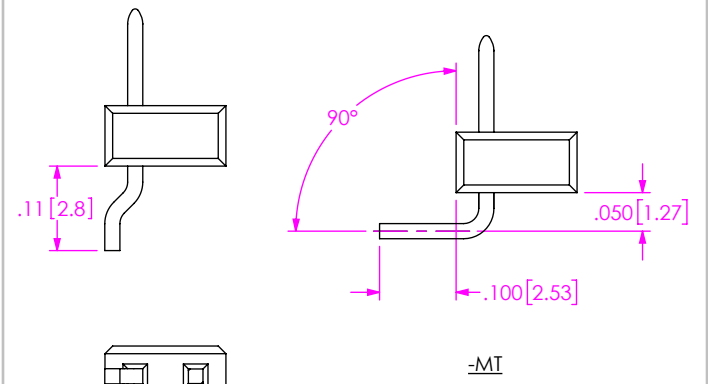


FIG 8
IN-PROCESS 3

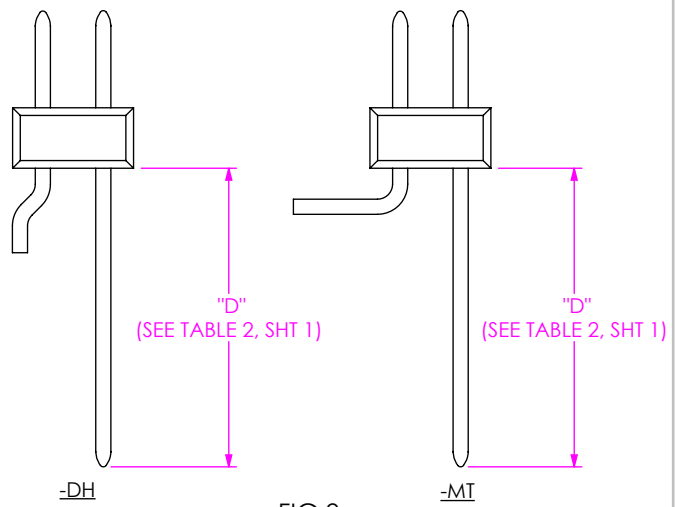


FIG 9
IN-PROCESS 4

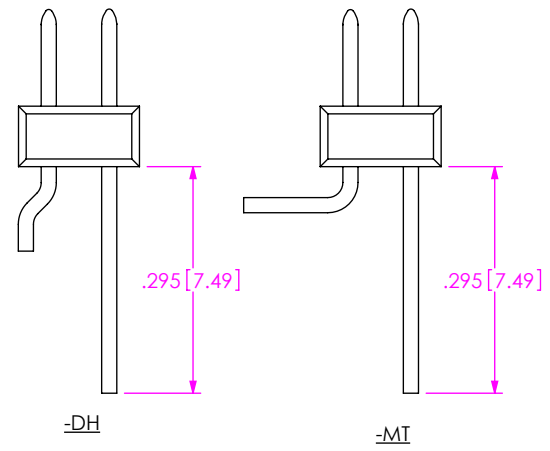


FIG 10
IN-PROCESS 5

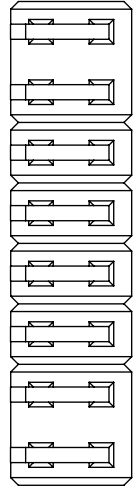
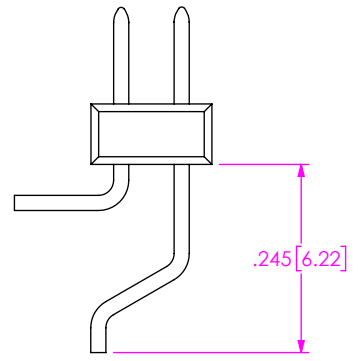
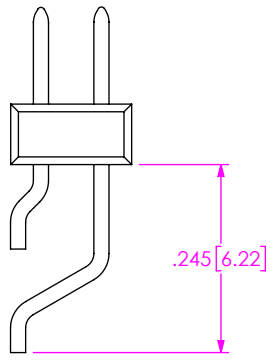
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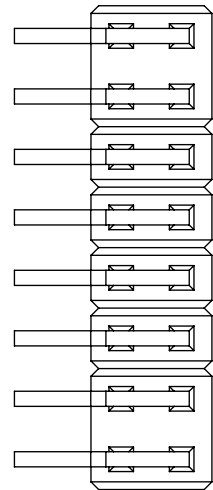


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MMT-1XX-XX-XX-XX-XX-XXX-X-XX
 BY: DEAN P 12/12/2000 SHEET 4 OF 6



-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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BY: DEAN P 12/12/2000 SHEET 5 OF 6

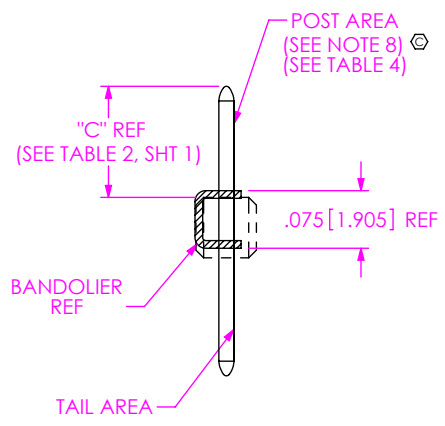


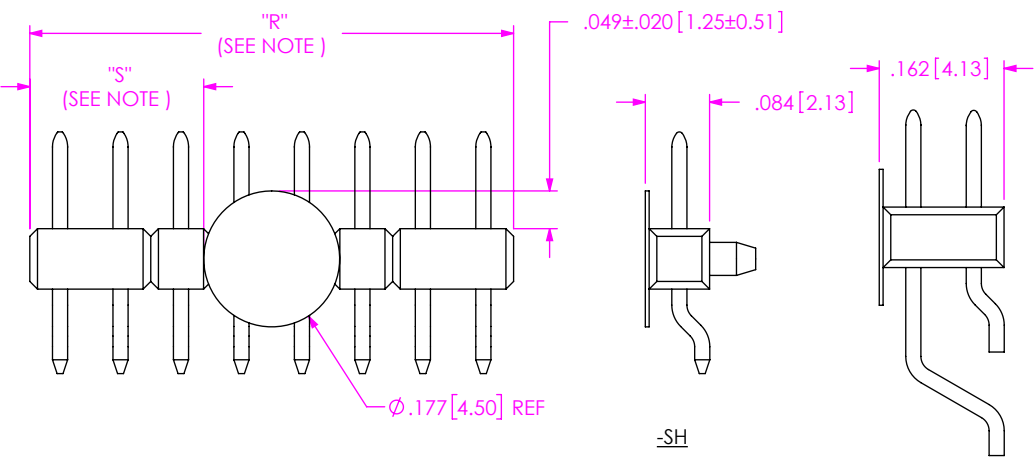
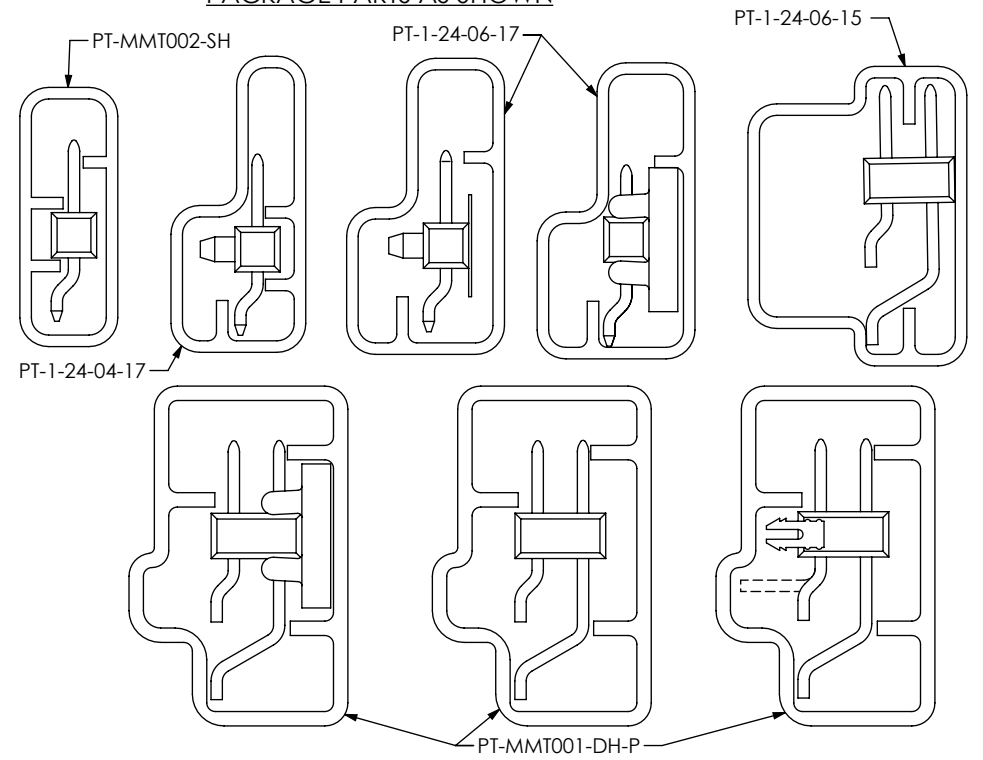
FIG 13
-T PLATING ONLY

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-53
-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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