

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.

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] |

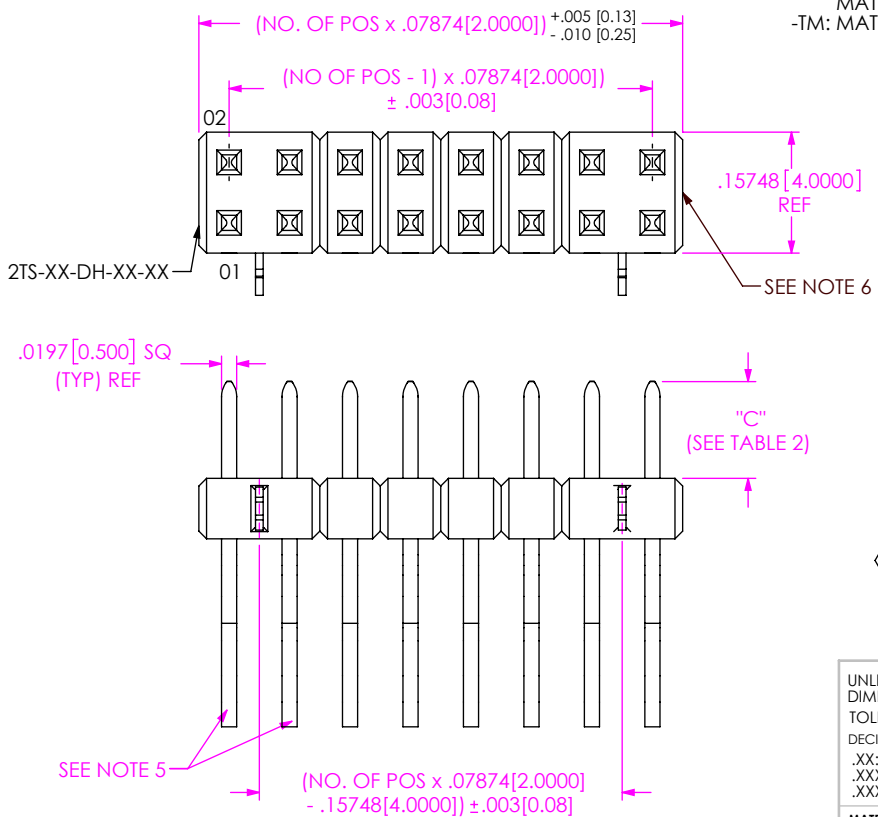


FIG 1
MMT-108-01-X-DH-LC SHOWN

MMT-1XX-XX-XX-XX-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)

- OPTION
-TR: TAPE AND REEL (37 POSITION MAX) (SEE SHT 5)
- 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 SPECIFICS 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)

- 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

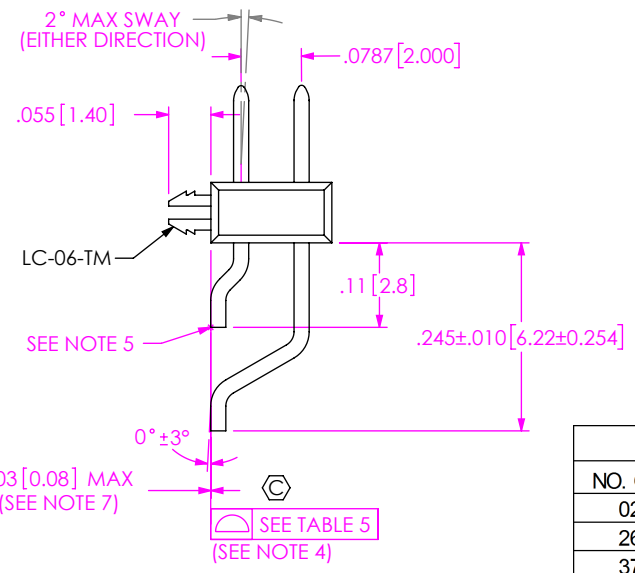


TABLE 5

| 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

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

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

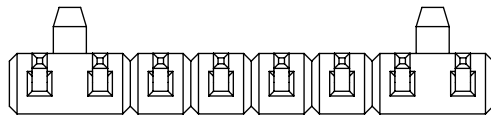
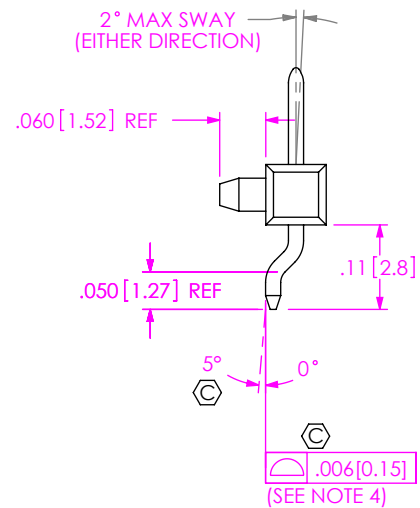
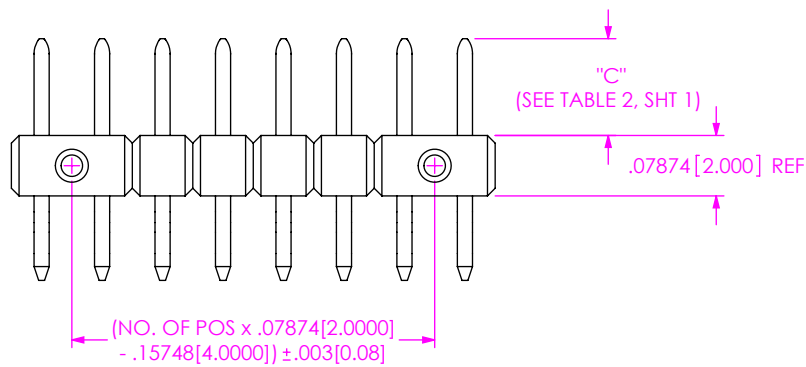
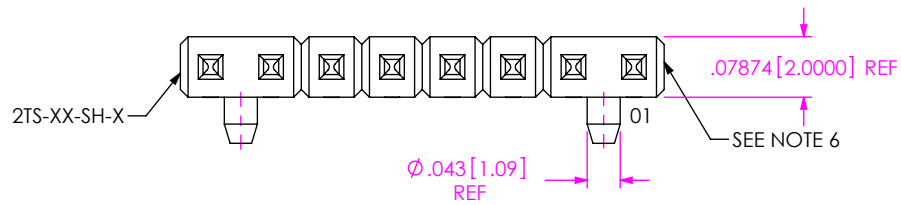


FIG 2
MMT-108-01-X-SH-A SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

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SHEET SCALE: 4:1



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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 2 OF 6

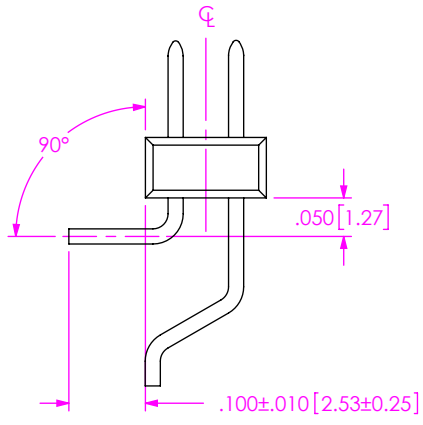


FIG 3
-MT: MIXED TECHNOLOGY
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

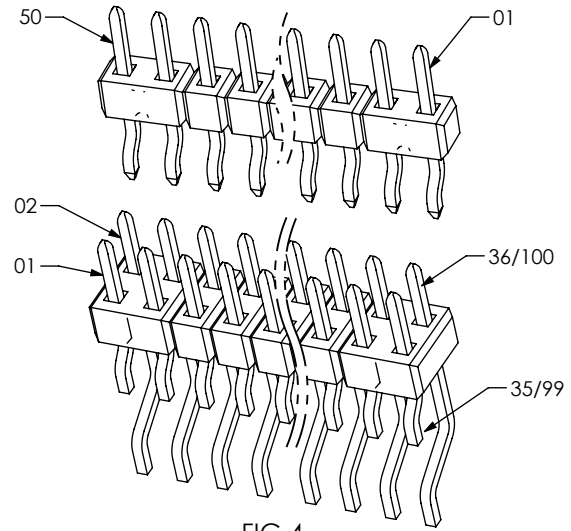


FIG 4
POLARIZATION VIEW

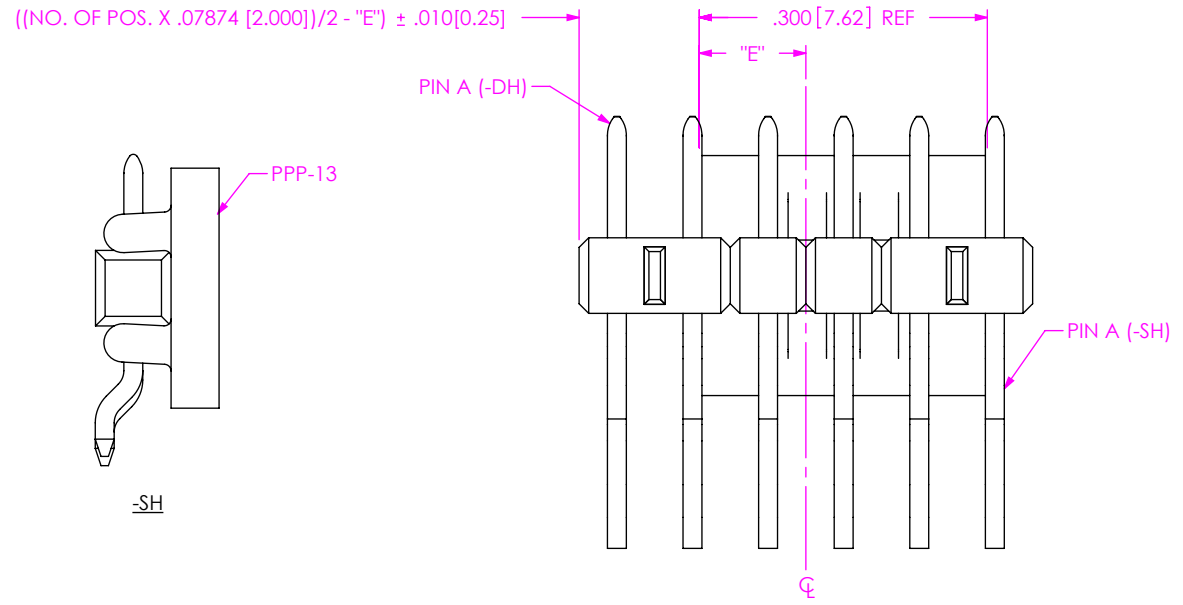
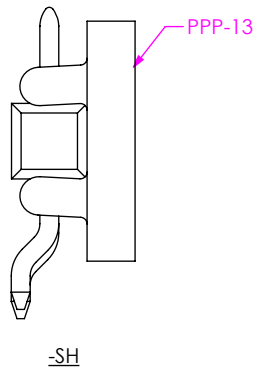
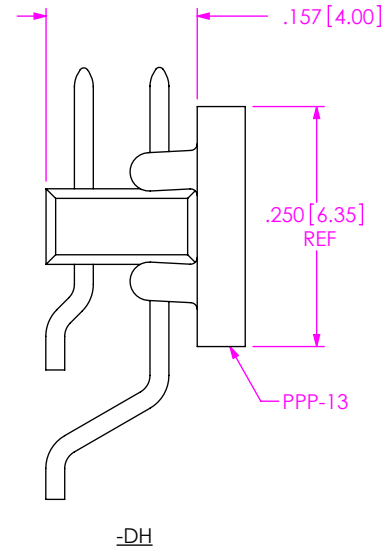


FIG 5
-P: PICK & PLACE PAD OPTION



| TABLE 1 | |
|---------|------------|
| POS. | "E" |
| ODD | .150[.572] |
| EVEN | .111[2.82] |

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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

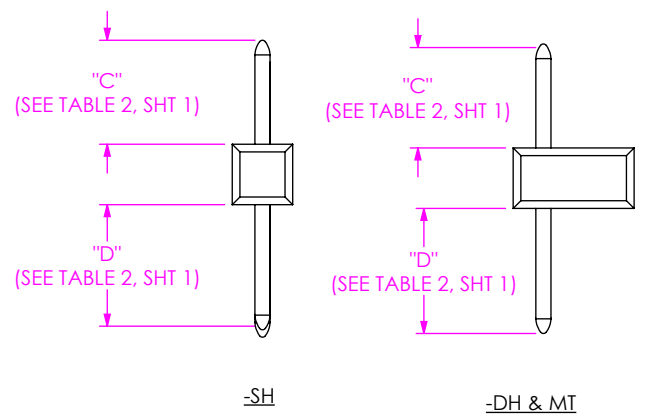


FIG 6
IN-PROCESS 1

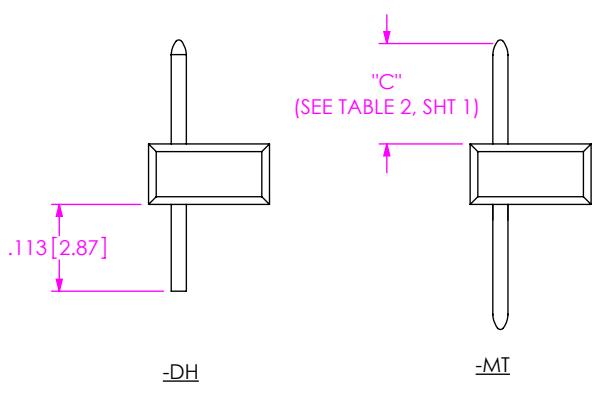


FIG 7
IN-PROCESS 2

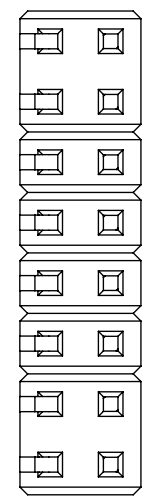
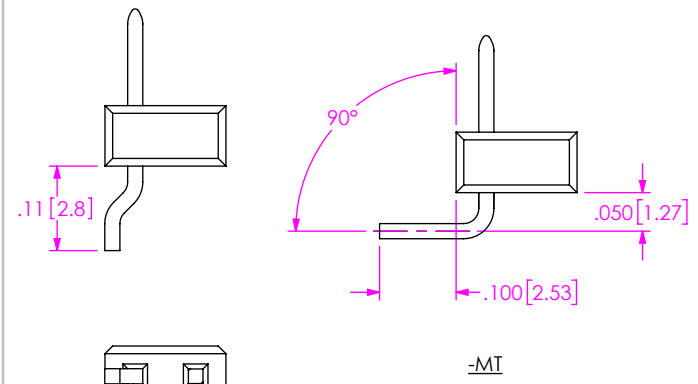


FIG 8
IN-PROCESS 3

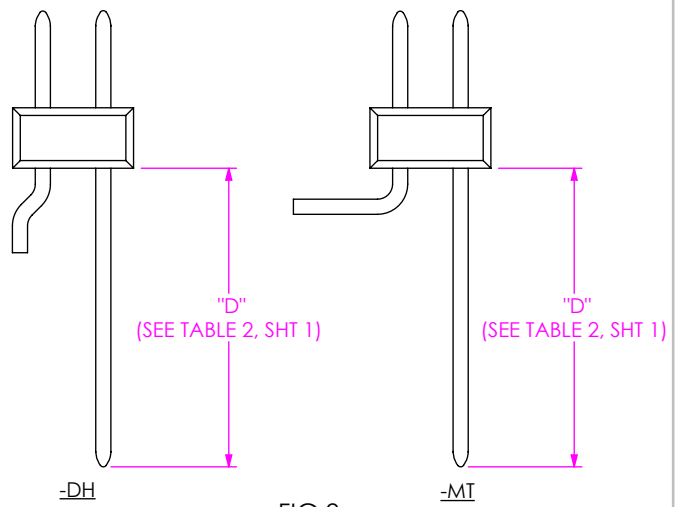


FIG 9
IN-PROCESS 4

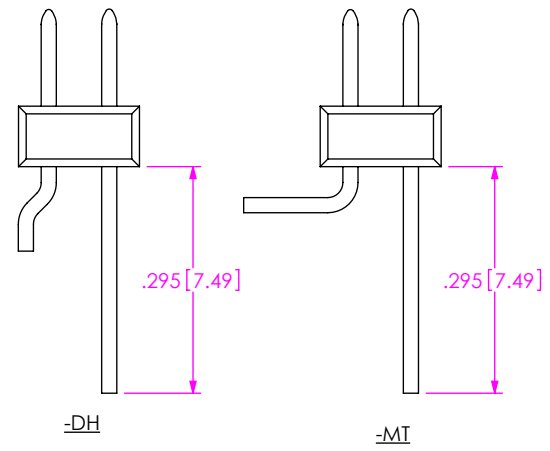


FIG 10
IN-PROCESS 5

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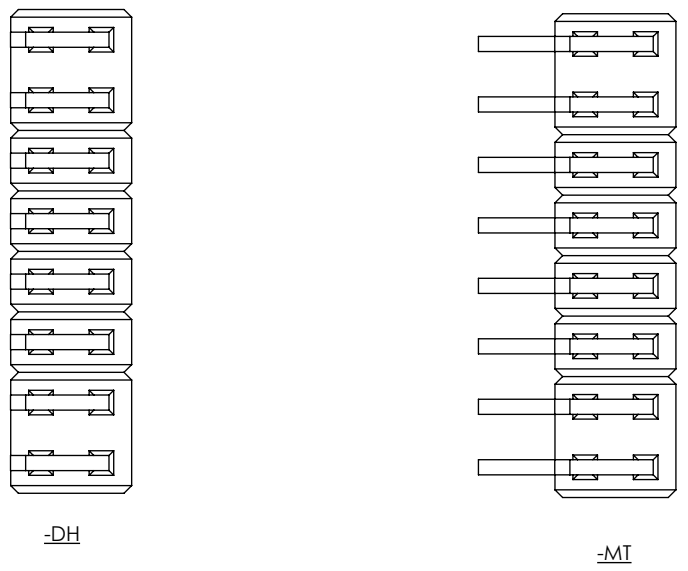
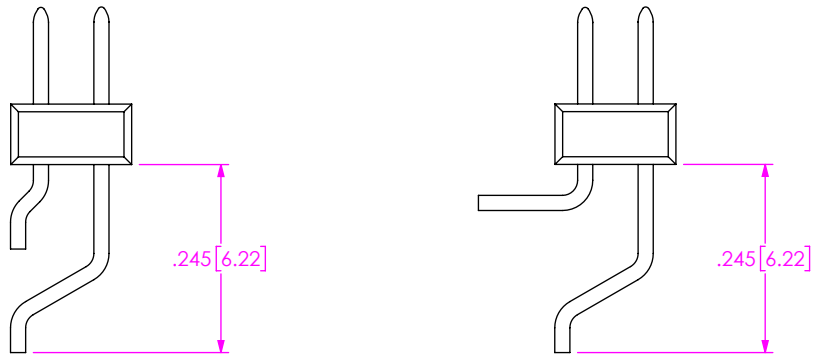
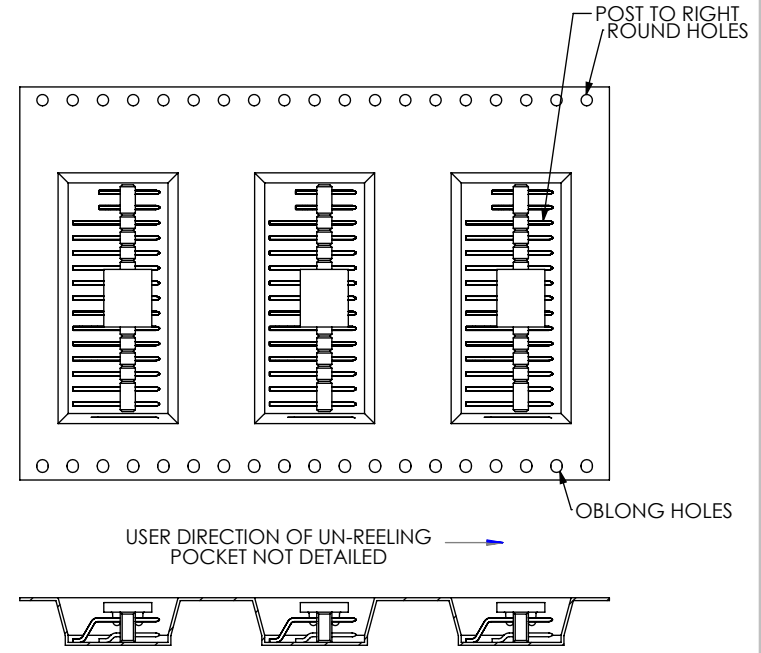


FIG 11
IN-PROCESS 6



NOTE: PARTS MUST BE ORIENTED PER THE DESIGN OF THE POCKET TOOL.
POCKETS DESIGNED AFTER REVISION BW MUST ORIENT PARTS PER THIS VIEW.

FIG 12
-TR TAPE AND REEL VIEW
(DRAWING NOT DETAILED)

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

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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 5 OF 6

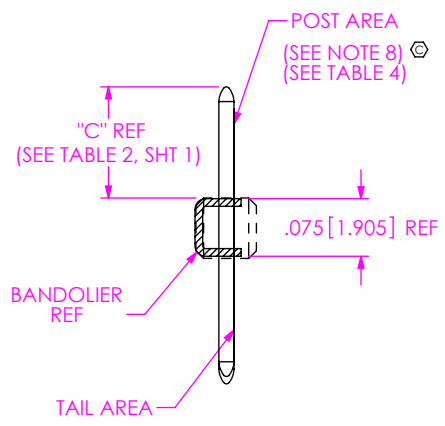


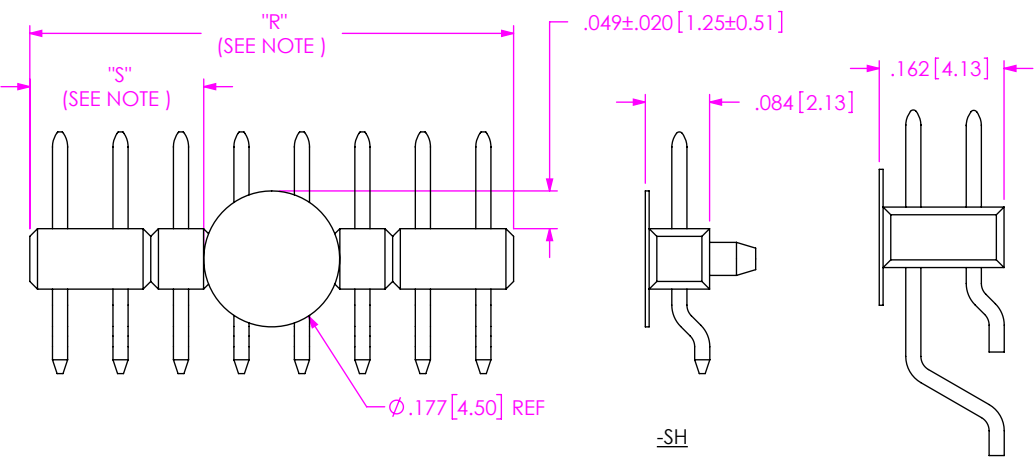
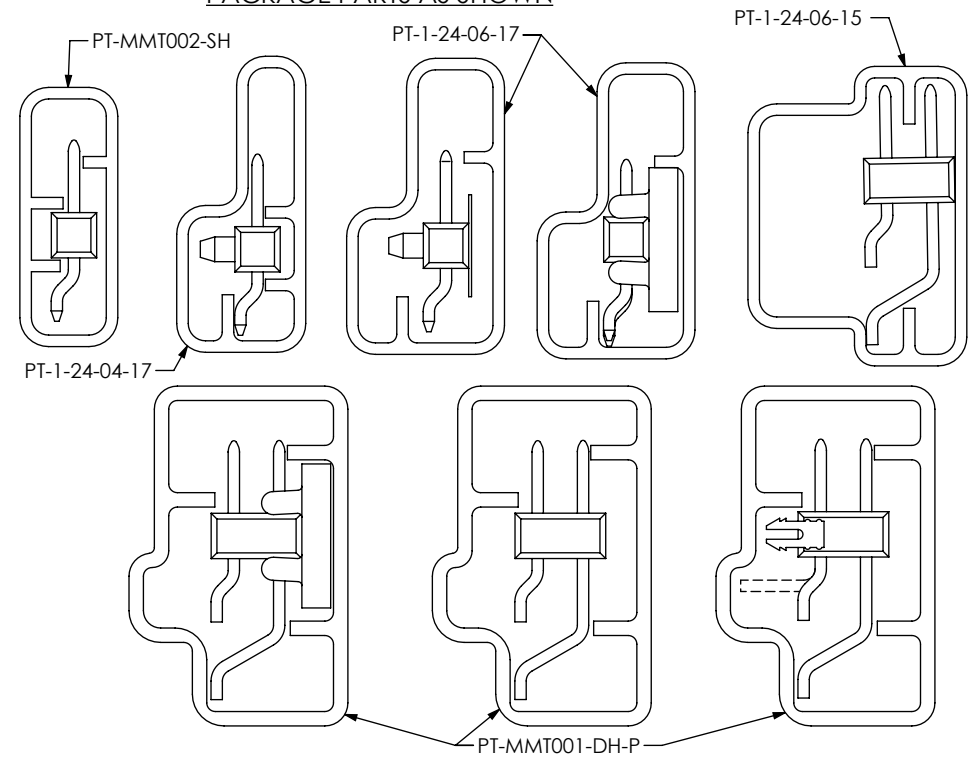
FIG 13
-T PLATING ONLY

| 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-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 LAYER PACKAGED. ALL OTHERS, TUBE AS SHOWN.

PACKAGE PARTS AS SHOWN



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

FIG 14
-K: POLYIMIDE FILM PAD

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