

DO NOT SCALE FROM THIS PRINT

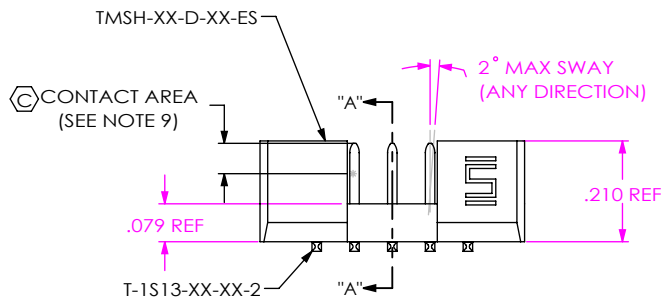
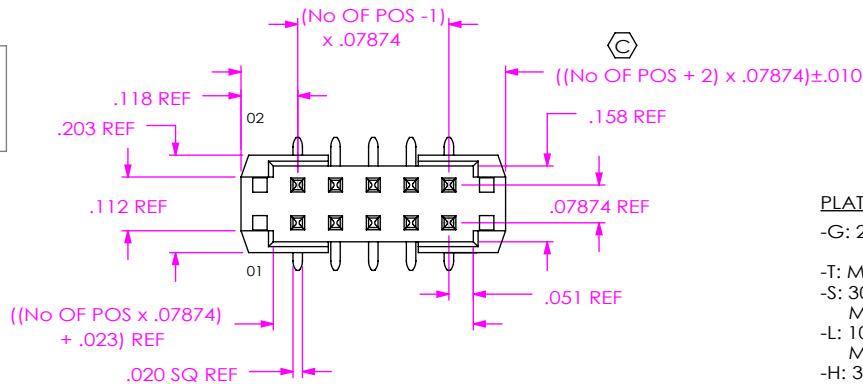


FIG 1
TSH-105-01-XX-DV SHOWN

TABLE 1				
STYLE	"A"	"B"	TERMINAL	"L"
-01	.126	.065	T-1S13-07-XX-2	.302
-04	.075	.010	T-1S13-04-XX-2	.255
-05	.065	.005	T-1S13-20-XX-2	.323

NOTES:

- ⊕ REPRESENTS A CRITICAL DIMENSION.
- COPLANARITY TO BE WITHIN .0060.
- BURR ALLOWANCE: .0015 MAX.
- MAXIMUM CUT FLASH: .020.
- MINIMUM PUSHOUT FORCE: 1.0 LB.
- MAXIMUM ALLOWABLE BOW: .002 INCH/INCH AFTER ASSEMBLY.
- MEASURED AT BEND RADIUS, NOT AT TIP OF PIN.
- TUBES ARE STANDARD PACKAGING.
- GOLD PLATING TO BE ON POST, TIN PLATING ON TAIL (ONLY APPLIES TO SELECTIVE PLATING OPTIONS).
- SURFACE MOUNT STYLE -05: TAILS TO BE SHEARED TO ACHIEVE DIM.
- PRINT CREATED FROM TMSH-ASM REVISION E. SEE TMSH-ASM FOR REVISION HISTORY.
- SEE TSH-1XX-XX-X-XX-XX FOR -DH & -RA ROW SPECIFICATIONS.
- ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIERS MARKS IN THE POST AREA. (SEE TABLE 2).
- 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.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- ATTACH LABEL TO EACH REEL.

TSH-1XX-XX-XX-DX-XX-X-XX

No OF POSITIONS

-05 THRU -48 (PER ROW)

LEAD STYLE

- 01: .126 (USE T-1S13-07-XX-2)
- 04: .075 (USE T-1S13-04-XX-2)
- 05: .065 (USE T-1S13-20-XX-2)

PLATING SPECIFICATION

- G: 20μ" GOLD IN CONTACT AREA, 3μ" ON TAIL
- T: MATTE TIN CONTACT AND TAIL
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10μ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" ON TAIL
- F: 3μ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- TM: 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

PACKAGING

- BLANK: TUBES (SEE NOTES 8 & 15)
- TR: TAPE & REEL (SEE NOTES 15 & 16)
- FR: FULL REEL QTY TAPE & REEL (SEE NOTES 15 & 16)
- (-TR & -FR ARE AVAILABLE FOR 34 POSITION MAX, -DV ONLY)

PICK & PLACE OPTION

- *-M: METAL PICK & PLACE PAD (-DV ONLY, USE LMP-04) (SEE FIG 4, SHEET 2)

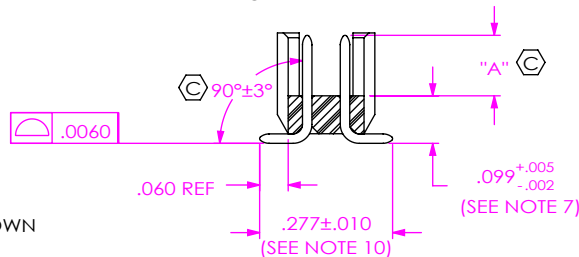
OPTION

- LC: LOCKING CLIP (-DV ONLY) (USE LC-09-TM) (SEE FIG 3, SHEET 2, SEE NOTE 14)
- A: ALIGNMENT PIN (-DV ONLY) (USE TMSH-XX-D-ES-XX-A) (SEE FIG 3, SHEET 2)

ROW SPECIFICATION (SEE NOTE 12)

- D: DOUBLE THROUGH (SEE FIG 2) (USE TMSH-XX-D-ES)
- DV: DOUBLE VERTICAL (SEE FIG 1) (USE TMSH-XX-D-ES)

* = FOR EXISTING CUSTOMERS ONLY



SECTION "A"-A"

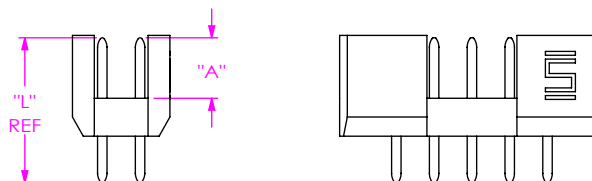
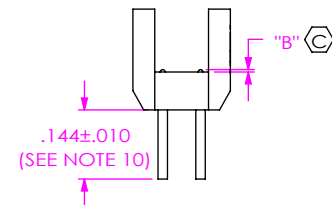
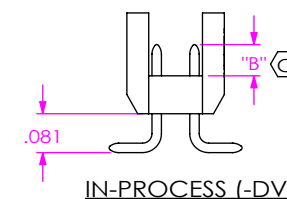


FIG 2
TSH-105-01-XX-D SHOWN



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

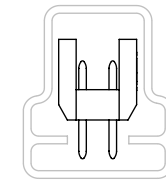
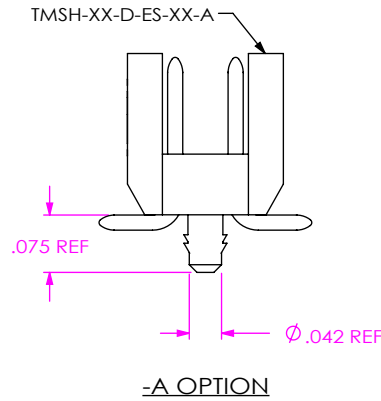
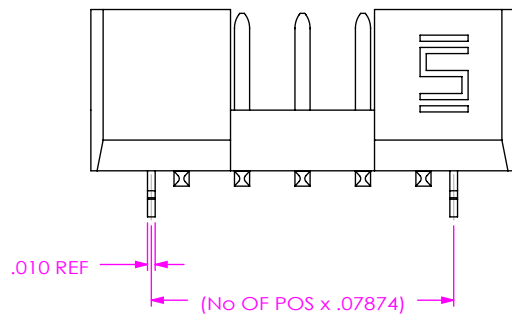
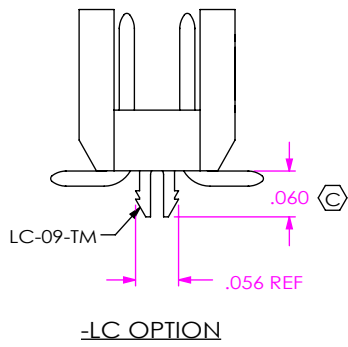
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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2.5:1
INSULATOR: LCP, UL 94 VO
COLOR: BLACK
TERMINAL: PHOS BRONZE, ALLOY No 510



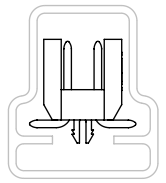
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION: 2mm END SHROUD TERMINAL ASSEMBLY
DWG. NO. TSH-1XX-XX-XX-DX-XX-X-XX
BY: DEAN P 07-02-2010 SHEET 1 OF 2



TSH-1XX-XX-XX-D-XX

TUBE: PT-1-24-04-15
PLUG: TP-09

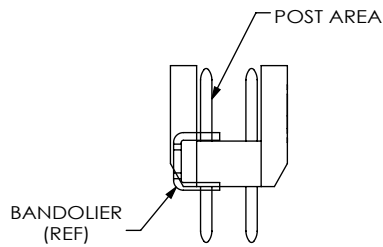


TSH-1XX-XX-XX-DV-XX

TUBE: PT-1-24-04-15
PLUG: TP-09

PACKAGING VIEW

FIG 3
-LC & -A OPTIONS (-DV ONLY)



IN-PROCESS BANDOLIER REF VIEW
-T PLATING ONLY
(SEE NOTE 13)
(SEE TABLE 2)

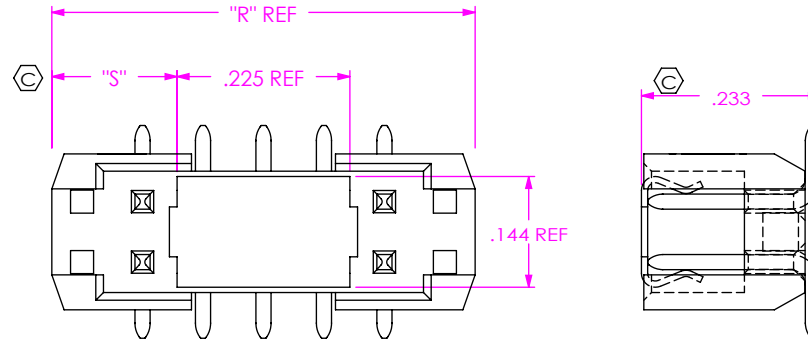
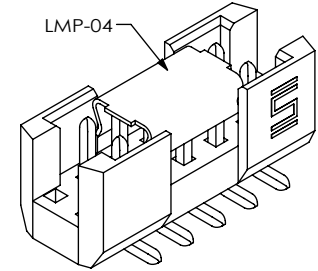


FIG 4
-M: PICK & PLACE PAD OPTION (-DV ONLY)

"R" = (No OF POS + 2) x .07874
"S" = {("R" - .239) / 2} ± .020

LEAD STYLE	NUMBER OF BAND MARKS ALLOWED IN THE POST AREA	
	PIN A	PIN B
*-01	0	0
*-04	0	0
*-05	0	0

* PINS TO BE FLIPPED OPPOSITE OF SELECTIVE PLATING BEFORE BEING INSERTED



F:\DWG\MISC\MKTG\TSH-1XX-XX-XX-DX-XX-X-XX-MKT.SLDDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 1:0.25



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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
2mm END SHROUD TERMINAL ASSEMBLY

DWG. NO.
TSH-1XX-XX-XX-DX-XX-X-XX

BY: DEAN P 07-02-2010 SHEET 2 OF 2