

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. TUBE POSITIONS -05 THRU -36 ONLY; POSITIONS -02 THRU -04 TO BE LAYER PACKAGED.
3. MAXIMUM CUT FLASH: .020 [0.51] CUT FLASH TO BE IN A NON-CRITICAL AREA LOCATED BETWEEN BODIES.
4. FOR ADDED MECHANICAL STABILITY, SAMTEC RECOMMENDS MECHANICAL BOARD SPACERS BE USED IN APPLICATIONS WITH GOLD OR SELECTIVE GOLD PLATED CONNECTORS. CONTACT IPG@SAMTEC.COM FOR MORE INFORMATION.
5. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
6. ATTACH LABEL TO EACH REEL

DO NOT SCALE FROM THIS PRINT

HW-XX-XX-XX-X-XXXX-SM-X-XXX-XX

No OF POSITIONS
-02 THRU -36

LEAD STYLE
(SEE TABLE 1)

PLATING SPECIFICATION

- T: MATTE TIN ON CONTACT AND TAIL.
- S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- G: 10μ" SELECTIVE GOLD IN CONTACT AREA, 3μ" SELECTIVE GOLD ON TAIL.
- L: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- TL: 250μ" TIN/LEAD ON CONTACT AND TAIL.
- H: 30μ" SELECTIVE GOLD IN CONTACT AREA, 3μ" SELECTIVE GOLD ON TAIL.
- F: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- TM: MATTE TIN ON CONTACT AND TAIL.
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- LM: 10μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.
- FM: 3μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL.

ROW OPTION

- D: DOUBLE ROW
(USE RTSM-50-DVU FOR BOTTOM INSULATOR)
(USE WRTSM-50-DVU FOR TOP INSULATOR)
- S: SINGLE ROW
(USE TSM-XX-S BODY FOR BOTTOM INSULATOR)
(USE WTSM-50-SV FOR TOP INSULATOR)

PACKAGING

- BLANK: TUBES (SEE NOTE 2)
- TR: TAPE & REEL (SEE NOTE 5 & 6)
(4 THRU 27 POSITIONS ONLY)
(MAX HEIGHT: .6875)
- FR: FULL REELQTY TAPE & REEL
(SEE NOTE 5 & 6)
(4 THRU 27 POSITIONS ONLY)
(MAX HEIGHT: .6875)

OPTION #2
POLARIZED POSITION
SPECIFY OMITTED PIN

OPTION #1

- LC: LOCKING CLIP (SEE FIG 2, SHT 2)
(-D: USE RTSM-50-DVU, USE LC-05-TM)
(-S: USE TSM-50-SV BODY, USE LC-08-TM-02)
 - A: ALIGNMENT PIN (SEE FIG 3, SHT 2)
(-S: 3 POSITION USE TSM-03-SV-A, MUST BE MOLDED TO POSITION)
(4-50 POSITIONS USE TSM-XX-SV-XX, 2 POSITIONS TO USE TSM-48-SV-04)
(-D: FOR MOLDED TO POSITION, USE RTSM-50-DVU-XX BODY, AVAILABLE ON POS -02 THRU -36)
(-D: FOR STAKED, USE RTSM-50-DVU BODY, 3 POS MIN)
- LEAVE BLANK FOR NO HOLD DOWN OPTION
(-D: USE RTSM-50-DVU, CAN BE CUT TO POSITION, SEE FIG 1)
(-S: USE TSM-50-SV, CAN BE CUT TO POSITION, SEE FIG 1)

SURFACE MOUNT

BOARD SPACE

"A" = -XXX
(SEE FIG 1 & TABLE 1)
MAX= C + .150

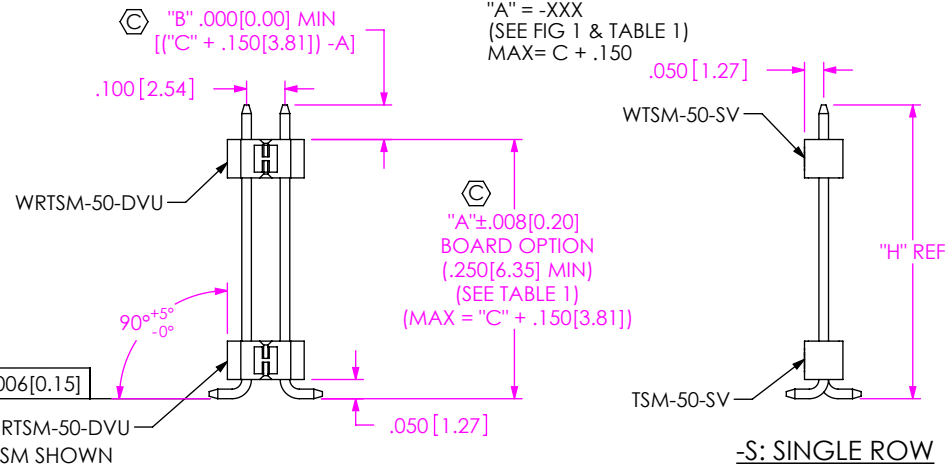
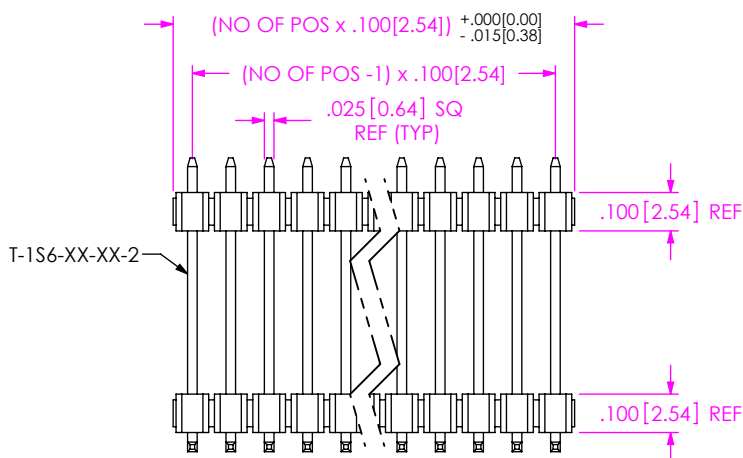
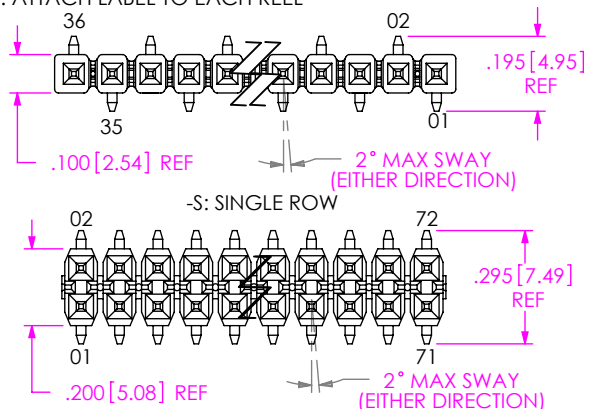


FIG 1 RTSM-50-DVU
HW-XX-10-XX-X-675-SM SHOWN

TABLE 1

LEAD STYLE	TERMINAL	"H"	"A" WHEN "B" IS .090 [2.29]	"C"	IN-PROCESS OAL REF
-08	T-1S6-08-XX-2	.465 [11.81]	.375 [9.53]	.315 [8.00]	.530 [13.46]
-09	T-1S6-09-XX-2	.665 [16.89]	.575 [14.61]	.515 [13.08]	.730 [18.54]
-10	T-1S6-10-XX-2	.765 [19.43]	.675 [17.15]	.615 [15.62]	.830 [21.08]
-11	T-1S6-11-XX-2	.865 [21.97]	.775 [19.69]	.715 [18.16]	.930 [23.62]
-12	T-1S6-12-XX-2	.965 [24.51]	.875 [22.23]	.815 [20.70]	1.030 [26.16]
-15	T-1S6-15-XX-2	.565 [14.35]	.475 [12.07]	.415 [10.54]	.630 [16.00]
-16	T-1S6-16-XX-2	.380 [9.65]	.290 [7.37]	.230 [5.84]	.445 [11.30]
-17	T-1S6-17-XX-2	.415 [10.54]	.325 [8.26]	.265 [6.73]	.480 [12.19]
-20	T-1S6-20-XX-2	1.065 [27.05]	.975 [24.77]	.915 [23.24]	1.130 [28.70]

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01 [0.3] 2°
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: LCP, UL 94 V0, COLOR: BLACK
TERMINAL: PHOS BRONZE

DESCRIPTION: HW BOARD TO BOARD ASSEMBLY

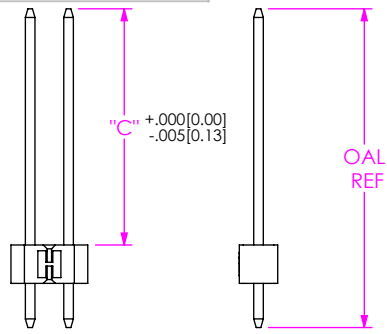
DWG. NO. HW-XX-XX-XX-X-XXXX-SM-X-XXX-XX

BY: G PURVIS 03/12/1993 SHEET 1 OF 3

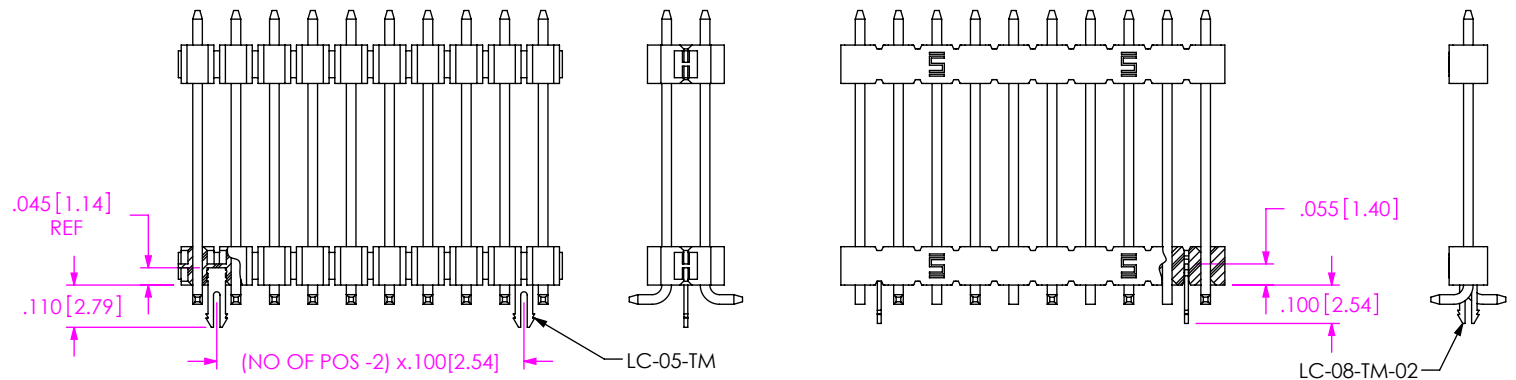


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IN-PROCESS

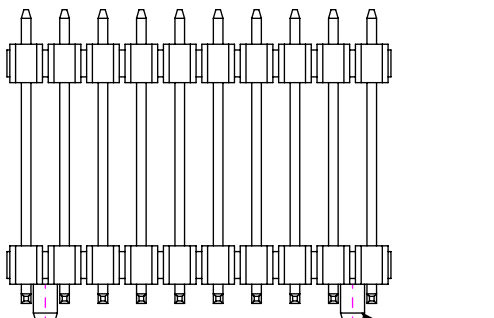


-D: DOUBLE ROW

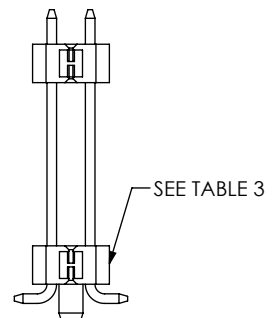
FIG 2

-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)

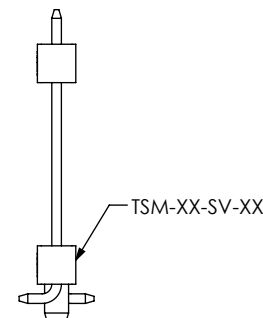
-S: SINGLE ROW



STAKED ALIGNMENT PINS

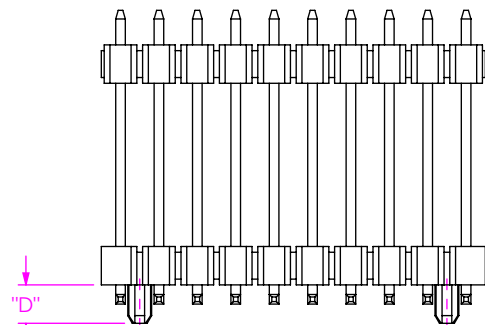


-D: DOUBLE ROW

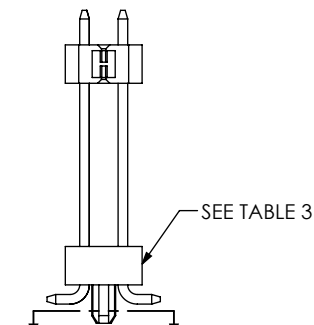


-S: SINGLE ROW

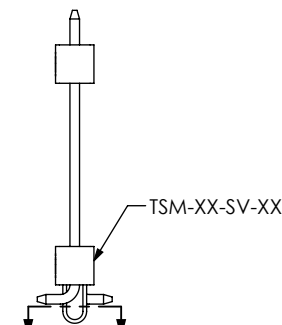
TABLE 3		
	"D"	BODY
MOLDED	.100[2.54] REF	RTSM-50-DVU-XX TSM-XX-SV-XX
STAKED	.100[2.54] ±.005[0.13]	RTSM-50-DVU



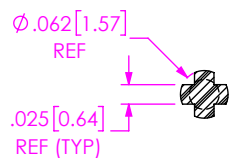
MOLDED ALIGNMENT PINS



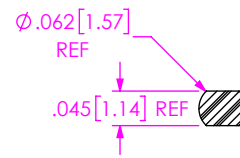
-D: DOUBLE ROW



-S: SINGLE ROW



SECTION "A"- "A"
SCALE 4 : 1



SECTION "B"- "B"
SCALE 4 : 1

FIG 3
-A: ALIGNMENT PIN
(SAME AS FIG 1, DIFFERENT AS SHOWN)
(2 POS USE 1 PER STRIP, 3-36 POS USE 2 PER STRIP)

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DO NOT SCALE DRAWING
SHEET SCALE: 2:1

DESCRIPTION:
HW BOARD TO BOARD ASSEMBLY

DWG. NO.
HW-XX-XX-XX-X-XXXX-SM-X-XXX-XX

BY: G PURVIS 03/12/1993 SHEET 2 OF 3

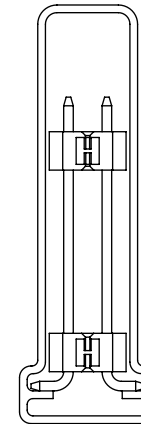
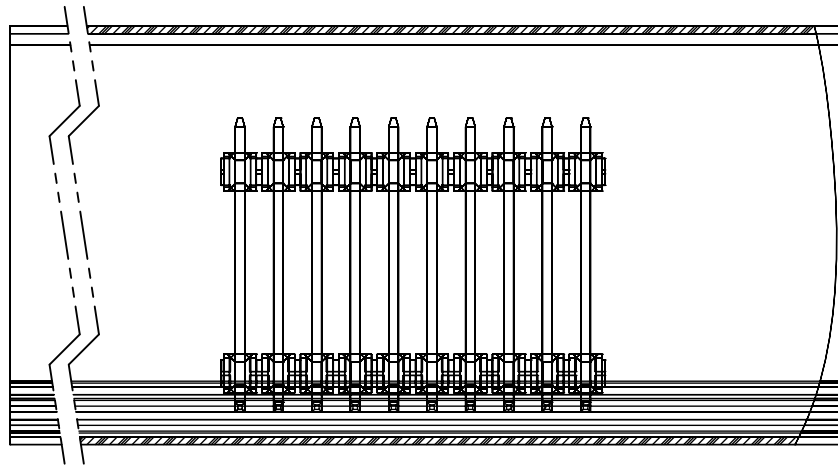


FIG 4
PACKAGING VIEW
(TUBE PLUG LOCATED AS SHOWN)

TABLE 2		
ROW OPTION	PACKAGING TUBE (SEE NOTE 2)	PLUG
-S: SINGLE	PT-1-24-01-47	TP-24
-D: DOUBLE	PT-1-24-02-47	TP-26
-LEAD STYLE -20 DOUBLE	PT-1-24-03-47	TP-26
-LEAD STYLE -20 SINGLE	PT-1-24-08-03	TP-07

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:
HW BOARD TO BOARD ASSEMBLY

DWG. NO.
HW-XX-XX-XX-X-XXXX-SM-X-XXX-XX

BY: G PURVIS 03/12/1993 SHEET 3 OF 3