

DO NOT
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THIS PRINT

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.

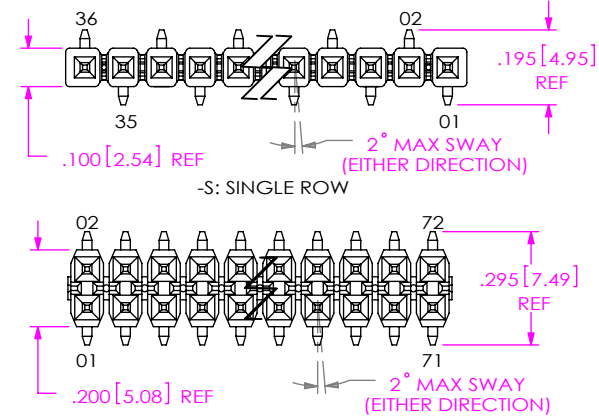


FIG 1
HW-XX-10-XX-X-675-SM SHOWN

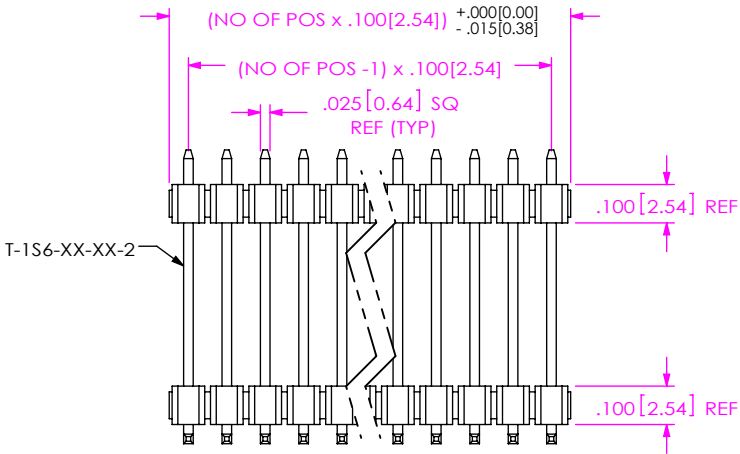


TABLE 1					
LEAD STYLE	TERMINAL	"H"	"A" WHEN "B" IS .090 [2.29]	"C"	IN-PROCESS OAL REF
-08	T-1S6-08-XX-2	.465 [11.81]	.375 [9.53]	.315 [8.00]	.530 [13.46]
-09	T-1S6-09-XX-2	.665 [16.89]	.575 [14.61]	.515 [13.08]	.730 [18.54]
-10	T-1S6-10-XX-2	.765 [19.43]	.675 [17.15]	.615 [15.62]	.830 [21.08]
-11	T-1S6-11-XX-2	.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]

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

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

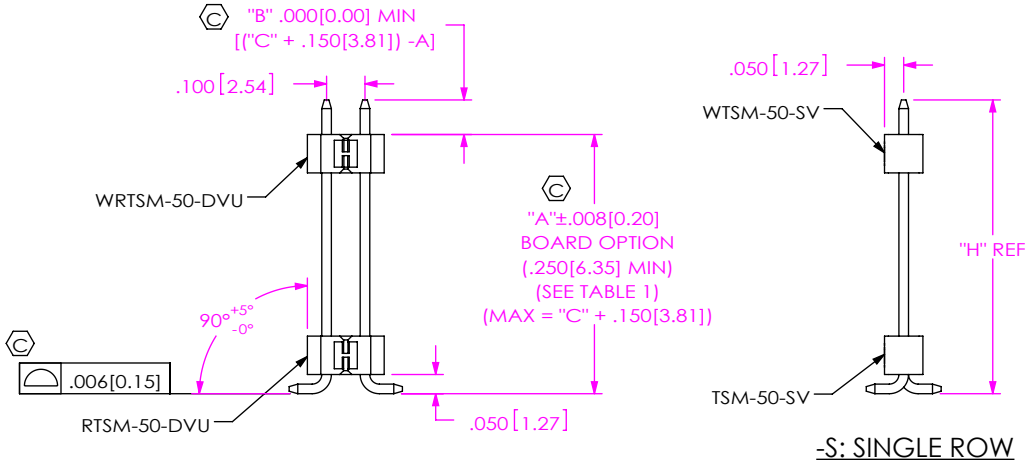
- D: DOUBLE ROW
(USE RTSM-50-DVU FOR BOTTOM INSULATOR)
(USE WRTSM-50-DVU FOR TOP INSULATOR)
- S: SINGLE ROW
(USE TSM-XX-S BODY FOR BOTTOM INSULATOR)
(USE WTSM-50-SV FOR TOP INSULATOR)

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)
 - TR: TAPE & REEL
(4 THRU 27 POSITIONS ONLY)
(MAX HEIGHT: .6875)
- 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



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

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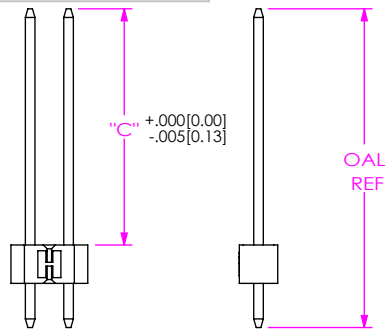
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: LCP, UL 94 V0, COLOR: BLACK
TERMINAL: PHOS BRONZE

DESCRIPTION:
HW BOARD TO BOARD ASSEMBLY
DWG. NO.
HW-XX-XX-XX-X-XXXX-SM-X-XXX
BY: G PURVIS 03/12/1993 SHEET 1 OF 3

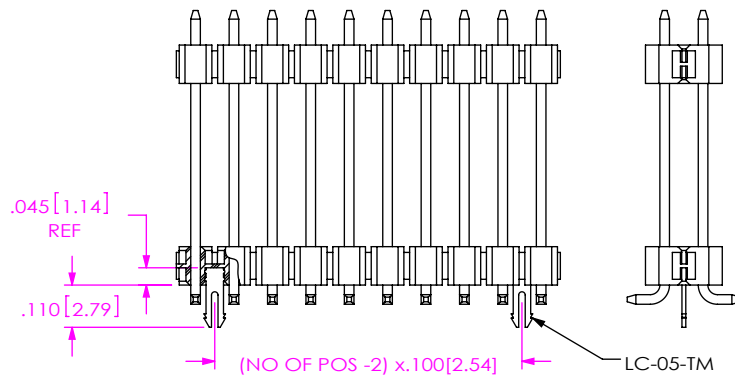


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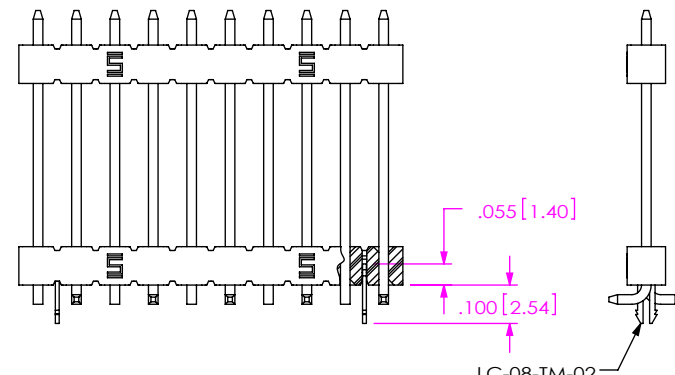
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IN-PROCESS



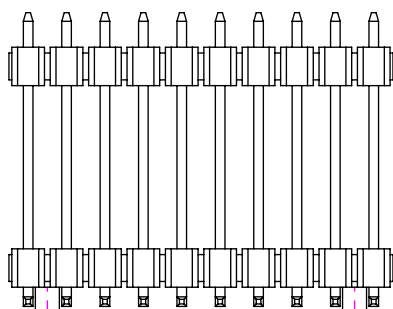
-D: DOUBLE ROW



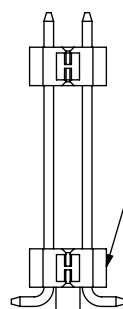
-S: SINGLE ROW

FIG 2

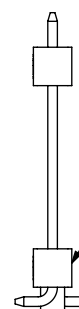
-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)



STAKED ALIGNMENT PINS

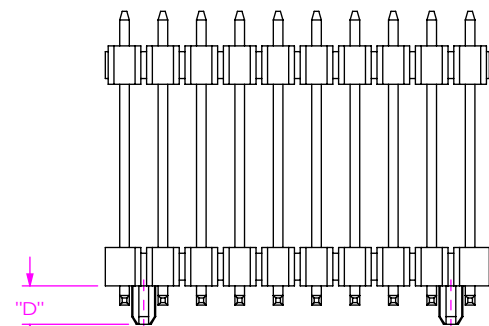


-D: DOUBLE ROW

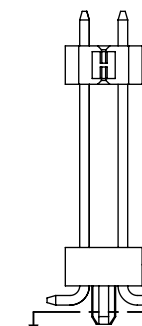


-S: SINGLE ROW

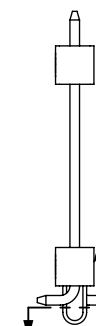
TABLE 3		
	"D"	BODY
MOLDED	.100[2.54] REF	RTSM-50-DVU-XX TSM-XX-SV-XX
STAKED	.100[2.54] ±.005[0.13]	RTSM-50-DVU



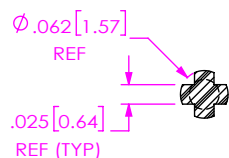
MOLDED ALIGNMENT PINS



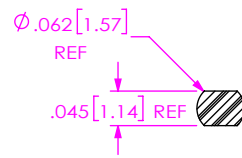
-D: DOUBLE ROW



-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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SHEET SCALE: 2:1

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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
HW BOARD TO BOARD ASSEMBLY

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

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

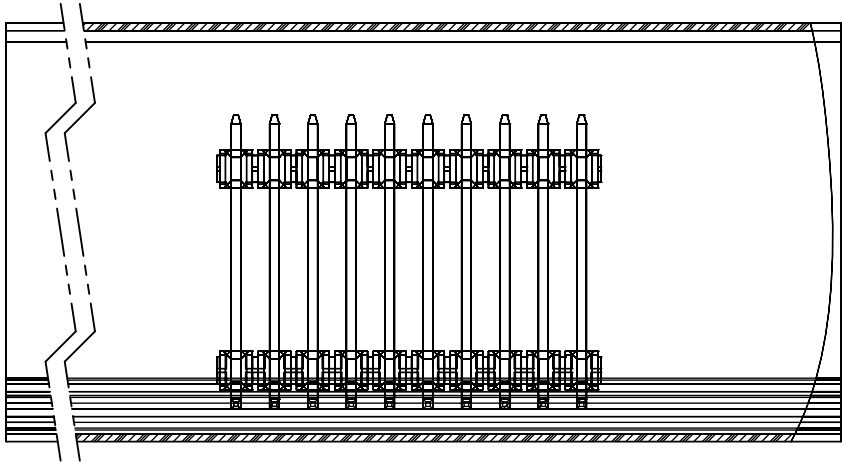


FIG 4
PACKAGING VIEW
(TUBE PLUG LOCATED AS SHOWN)

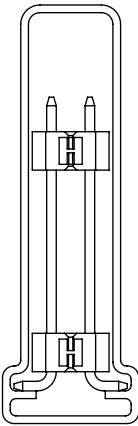



TABLE 2		
ROW OPTION	PACKAGING TUBE (SEE NOTE 2)	PLUG
-S: SINGLE	PT-1-24-01-47	TP-24
-D: DOUBLE	PT-1-24-02-47	TP-26
-LEAD STYLE -20 DOUBLE	PT-1-24-03-47	TP-26
-LEAD STYLE -20 SINGLE	PT-1-24-08-03	TP-07

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	DESCRIPTION: HW BOARD TO BOARD ASSEMBLY	
	DWG. NO. HW-XX-XX-XX-X-XXXX-SM-X-XXX	
DO NOT SCALE DRAWING	BY: G PURVIS 03/12/1993	SHEET 3 OF 3

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[HW-03-11-F-D-550-SM-A](#) [HW-07-09-T-D-251-SM-TR](#)