

DO NOT
SCALE FROM
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.

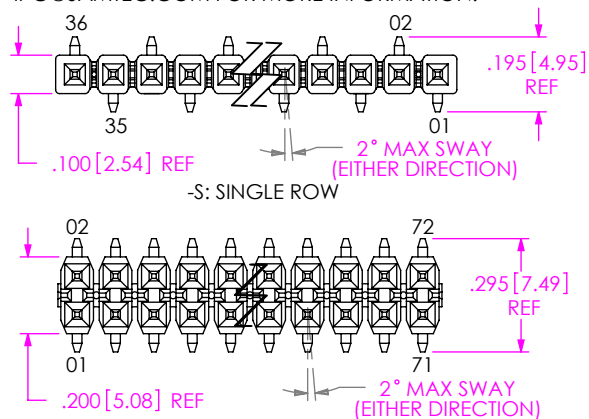


FIG 1

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

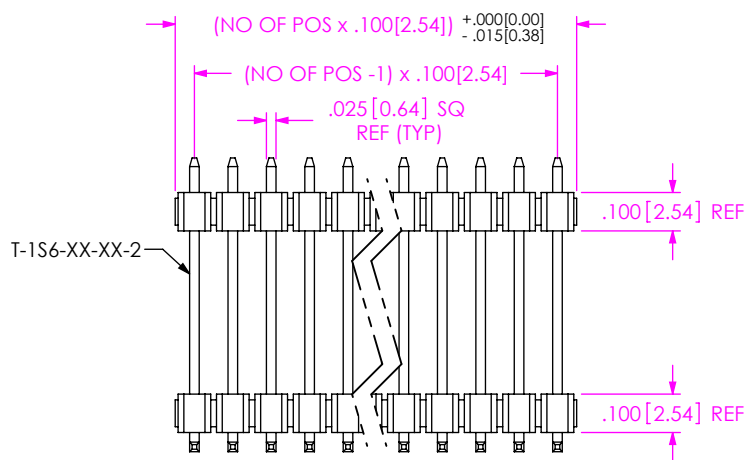


TABLE 1

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 -36LEAD 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

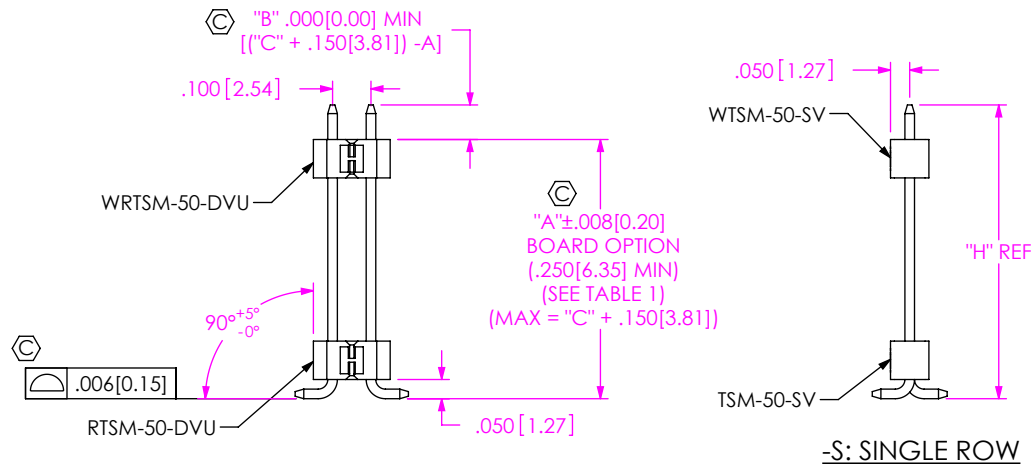
OPTION #1

- 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



-S: SINGLE ROW

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [0.3]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

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

SHEET SCALE: 2:1

DESCRIPTION:

HW BOARD TO BOARD ASSEMBLY

DWG. NO.

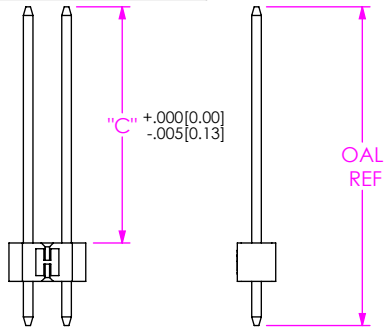
HW-XX-XX-XX-X-XXXX-SM-X-XXX

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

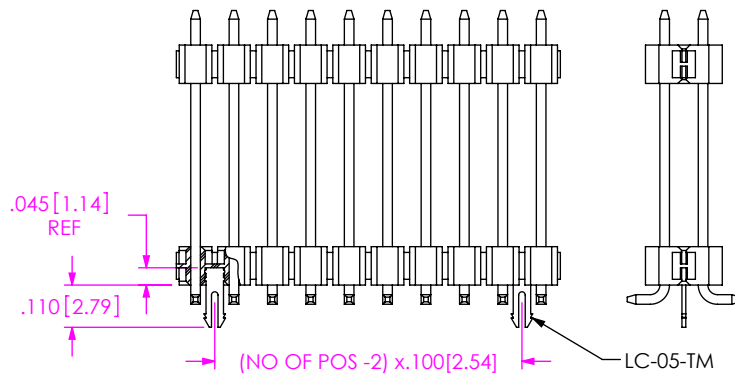
samtec

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

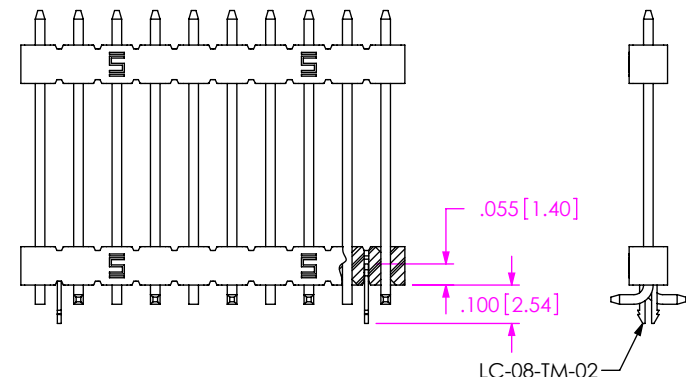
REVISION AY



IN-PROCESS

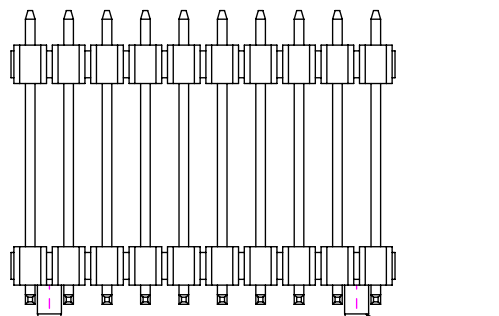


-D: DOUBLE ROW

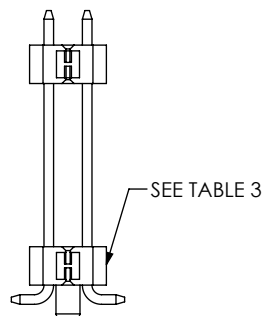


-S: SINGLE ROW

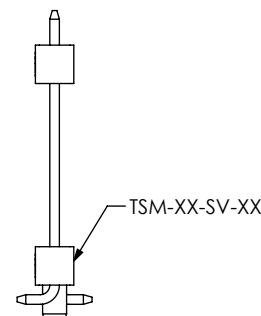
FIG 2
-LC: LOCKING CLIP
(SAME AS FIG 1, DIFFERENT AS SHOWN)



STACKED ALIGNMENT PINS

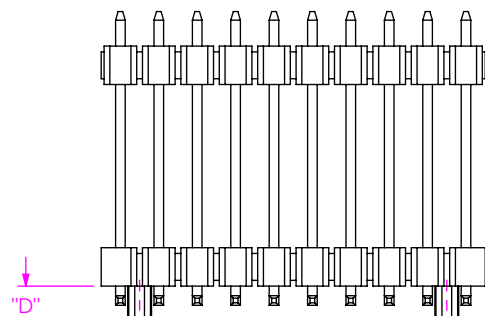


-D: DOUBLE ROW

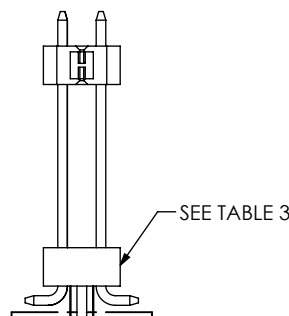


-S: SINGLE ROW

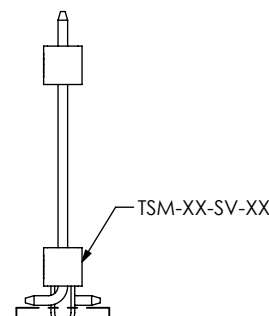
TABLE 3		
	"D"	BODY
MOLDED	.100[2.54] REF	RTSM-50-DVU-XX TSM-XX-SV-XX
STAKED	.100[2.54] $\pm .005[0.13]$	RTSM-50-DVU



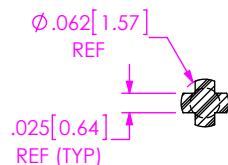
MOLDED ALIGNMENT PINS



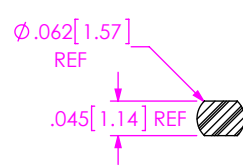
-D: DOUBLE ROW



-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)

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

samtec

520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
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

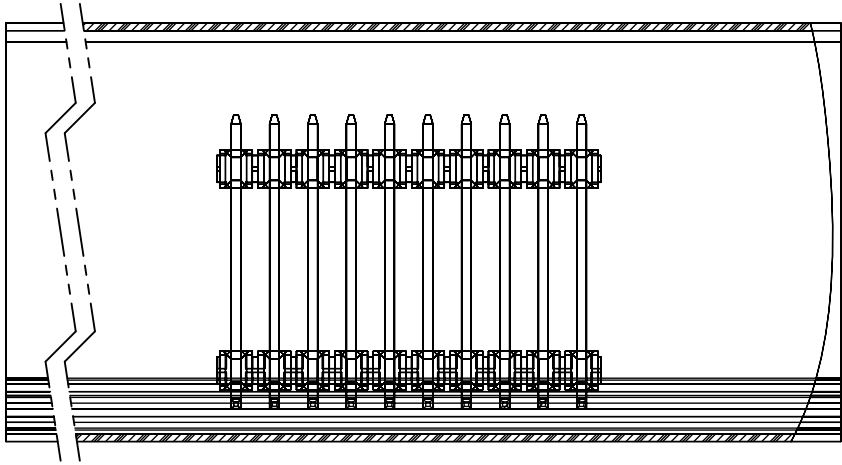


FIG 4
PACKAGING VIEW
(TUBE PLUG LOCATED AS SHOWN)

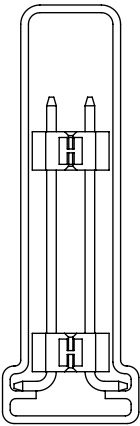



TABLE 2		
ROW OPTION	PACKAGING TUBE (SEE NOTE 2)	PLUG
-S: SINGLE	PT-1-24-01-47	TP-24
-D: DOUBLE	PT-1-24-02-47	TP-03
-LEAD STYLE -20 DOUBLE	PT-1-24-03-47	TP-03
-LEAD STYLE -20 SINGLE	PT-1-24-08-03	TP-07

<p>• PROPRIETARY NOTE •</p> <p>THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.</p>		
	<p>520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322</p>	
	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
SHEET SCALE: 2:1		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[HW-08-20-SM-S-975-SM](#) [HW-22-10-H-S-675-SM](#) [HW-11-17-G-D-325-SM](#)