

DO NOT
SCALE FROM
THIS PRINT

TABLE 1			
LEAD STYLE	PIN #1	PIN #2	PIN #3
-05	T-1S6-21-X-2	N/A	N/A
-06	T-1S6-18-X-2	N/A	N/A
-07	T-1S6-07-X-2	T-1S6-15-X-2	T-1S6-10-X-2
-08	T-1S6-08-X-2	T-1S6-09-X-2	T-1S6-11-X-2
-09	T-1S6-09-X-2	T-1S6-11-X-2	T-1S6-20-X-2
-10	T-1S6-10-X-2	T-1S6-12-X-2	T-1S6-13-X-2
-11	T-1S6-11-X-2	T-1S6-20-X-2	T-1S6-19-X-2
-12	T-1S6-12-X-2	T-1S6-13-X-2	T-1S6-14-X-2
-13	T-1S6-13-X-2	T-1S6-14-X-2	N/A
-21	T-1S6-14-X-2	N/A	N/A
-22	T-1S6-15-X-2	T-1S6-10-X-2	T-1S6-12-X-2
-23	T-1S6-16-X-2	N/A	N/A
-24	T-1S6-17-X-2	N/A	N/A
-27	T-1S6-19-X-2	N/A	N/A
-28	T-1S6-20-X-2	T-1S6-19-X-2	N/A

TABLE 5 (SEE NOTE 9)	
LENGTH	"L"
-07	.430 [10.92]
-08	.530 [13.46]
-09	.730 [18.54]
-10	.830 [21.08]
-11	.930 [23.62]
-12	1.030 [26.16]
-13	1.230 [31.24]
-14	1.430 [36.32]
-15	.630 [16.00]
-16	.445 [11.30]
-17	.480 [12.19]
-18	.300 [7.62]
-19	1.330 [33.78]
-20	1.130 [28.70]
-21	.335 [8.51]

TABLE 2 BODY SPECIFICATION	
ROW / OPTION	USE BODY
-S / -S-NA / -S-NE	TSW-50-S
-S-RA / -S-RE	TSW-50-S-RA
-D / -D-NA / -D-NE	RTSW-50-D
-D-RA	TSW-50-D-RA
-T / -T-NA / -T-NE	TSW-50-T
-T-RA	TSW-50-T-RA
-Q	TSW-50-T

MTSW-XXX-XX-X-X-XXXX-XX-XXX

TERMINAL SPACE SPEC.

(SEE ASSEMBLY INSTR.)

- 1 = .100[2.54] (FILL EVERY POS)
- 2 = .200[5.08] (FILL E/O POS STARTING W/ 1ST & ENDING W/ LAST POS IN BODY)

BODY LENGTH SPEC.

EXPRESSED IN # OF POS

- 1: 01 THRU -50 (-S, -D, -T)
"A"= NO OF POS x .100[2.54]
- 2: 02 THRU -25 (-S, -D, -T)
"A"= (NO OF POS x .200[5.08]) - .100[2.54]

LEAD STYLE

(SEE TABLE 1)

PLATING SPECIFICATION

- G: 10µ" GOLD CONTACT, 3µ" GOLD TAIL
- T: MATTE TIN CONTACT AND TAIL
- S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- E: 50µ" HEAVY GOLD ON CONTACT AREA, 3µ" GOLD ON TAIL
- H: 30µ" HEAVY GOLD CONTACT AREA, 3µ" GOLD ON TAIL
- F: 3µ" FLASH SELECTIVE GOLD CONTACT, MATTE TIN TAIL
- STL: 30µ" GOLD SELECTIVE ON CONTACT TIN/LEAD (90/10+/-5%) TAIL
- TM: MATTE TIN CONTACT AND TAIL
- SM: 30µ" SELECTIVE GOLD CONTACT MATTE TIN TAIL
- LM: 10µ" LIGHT SELECTIVE GOLD CONTACT MATTE TIN TAIL
- FM: 3µ" GOLD FLASH SELECTIVE ON CONTACT MATTE TIN TAIL

OPTION #2

- POLARIZATION SPEC.
- XXX INDICATES POS TO BE OMITTED (SEE FIG 6, SHT 5)

OPTION #1

- BLANK = STRAIGHT
- RA = RIGHT ANGLE (SEE TABLE 3 & FIG 2, SHT 2)
(-05 N/A)(-RA OPTION WITH -LL OPTION EQUALS TO -LA OPTION)
- RE = EXTENDED RIGHT ANGLE (SEE TABLE 3 & FIG 2, SHT 2) (SINGLE ROW ONLY)
(-05, -07, -23 -24 N/A)
- NA = RA OPTION WITH STRAIGHT OPTION BODY (SEE TABLE 3 & FIG 3, SHT 2)(-NA OPTION WITH -LL OPTION IS VALID)
- NE = RE OPTION WITH STRAIGHT OPTION BODY (SEE TABLE 3 & FIG 3, SHT 2)
- LL = LOCKING LEAD (SEE FIG 4, SHT 3 & FIG 5, SHT 4)
(N/A WITH -RE OPTION OR SINGLE ROW 1 OR 2 POSITIONS)
- LA = -RA OPTION WITH -LL OPTION (SEE FIG 4, SHT 3 & FIG 5, SHT 4)
(N/A IN SINGLE ROW 1 OR 2 POSITION)
(TAILS FROM .090[2.29] TO .310[7.87] ONLY)
(N/A IN SINGLE ROW, 1 OR 2 POSITIONS)
POST = .530[13.46] MAX

POST HEIGHT

XXXX = "C" (SEE TABLE 4)

ROW SPECIFICATION (SEE TABLE 2)

- S: SINGLE
- D: DOUBLE
- T: TRIPLE
- Q: TRIPLE ROW (FILL OUTER ROWS ONLY)

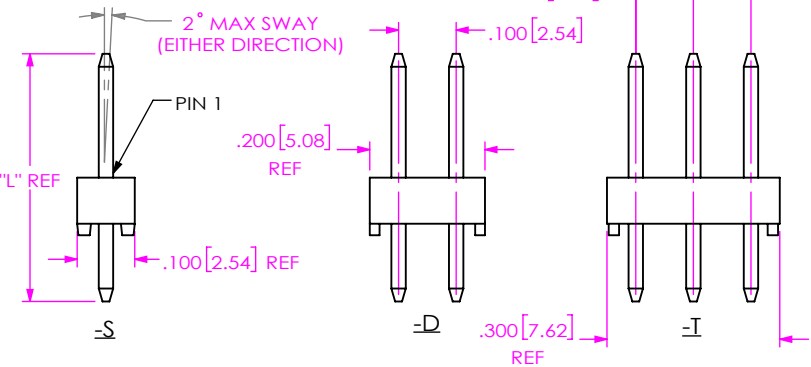
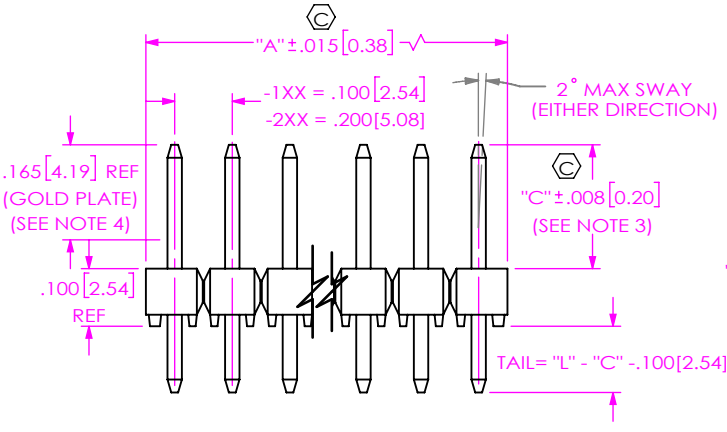


TABLE 4			
FOR -RX OPTION: TAIL = "L" - "C" - "B" -.15 REF			
FOR -NX OPTION: TAIL = "L" - "C" - "B" -.13 REF			
(CALCULATIONS APPLY TO FIRST ROW PIN LENGTHS ONLY)			
LEAD STYLE	"C" MAXIMUM STRAIGHT	"C" MAXIMUM W/ RA	"C" MAXIMUM W/ RE
-05	.235 [5.97]	N/A	N/A
-06	.200 [5.08]	N/A	N/A
-07	.330 [8.38]	.130 [3.30]	N/A
-08	.430 [10.92]	.230 [5.84]	.130 [3.30]
-09	.630 [16.00]	.430 [10.92]	.330 [8.38]
-10	.730 [18.54]	.530 [13.46]	.430 [10.92]
-11	.830 [21.08]	.630 [16.00]	.530 [13.46]
-12	.930 [23.62]	.730 [18.54]	.630 [16.00]
-13	1.130 [28.70]	.930 [23.62]	.830 [21.08]
-21	1.330 [33.78]	1.130 [28.70]	1.030 [26.16]
-22	.530 [13.46]	.330 [8.38]	.230 [5.84]
-23	.345 [8.76]	.145 [3.68]	N/A
-24	.380 [9.65]	.180 [4.57]	N/A
-27	1.230 [31.24]	1.030 [26.16]	.930 [23.62]
-28	1.030 [26.16]	.830 [21.08]	.730 [18.54]

- NOTES:
1. REPRESENTS A CRITICAL DIMENSION.
 2. MINIMUM TERMINAL PUSHOUT FORCE: 3 LBS.
 3. MAXIMUM HEIGHT VARIATION BETWEEN ANY TWO ROWS SHALL BE .005[0.13] (RA TAIL N/A).
 4. ASSEMBLE GOLD PLATE END AS SHOWN.
 5. TOW & SWAY SPEC. OF 2° APPLIES TO ALL POSITIONS, POST & TAIL, IN ALL DIRECTIONS.
 6. -STL PLATING AVAILABLE IN LEAD STYLES -07, -08, -10, -16, -17 & -21.
 7. STRAIGHT THROUGH HOLE ONLY.
 8. ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIER MARKS IN THE POST AREA. (SEE TABLE 6)
 9. MAXIMUM CUT FLASH: .020[0.51].
 10. TABLE 5 IS A REFERENCE FOR INDIVIDUAL PIN LENGTHS AS LISTED ON THE T-1S6 COMPONENT PRINT AND NOT THE TERMINAL SPEC IN TABLE 1 OR IN THE PART CALLOUT.
 11. MUST USE T-30193-13 (2 1/2" BLADES) TO CUT -T AND -Q PARTS.
 12. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1
BODY: GLASS FILLED POLYESTER, COLOR: BLACK
TERMINAL: PHOSPHOR BRONZE

F:\dwg\misc\mktg\MTSW-XXX-XX-X-X-XXXX-XX-XXX-MKT.SLDDRW

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:
ASSEMBLY, .025[.64] SQ. POST TERMINAL STRIP
DWG. NO.
MTSW-XXX-XX-X-X-XXXX-XX-XXX
BY: PURVIS 02/17/1987 SHEET 1 OF 6

TABLE 3	
BODY SPECIFICATION	
-XX	"B"
-RA	.060 [1.52]
-RE	.160 [4.06]

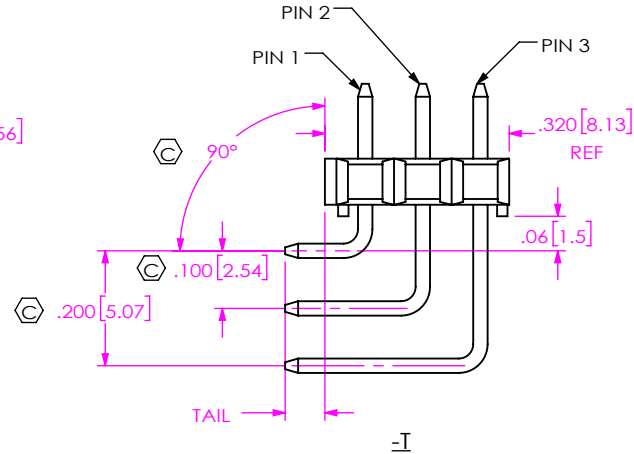
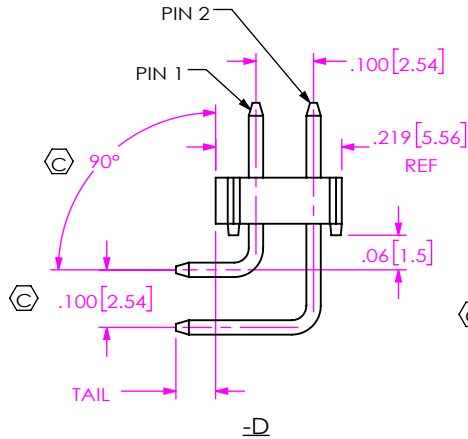
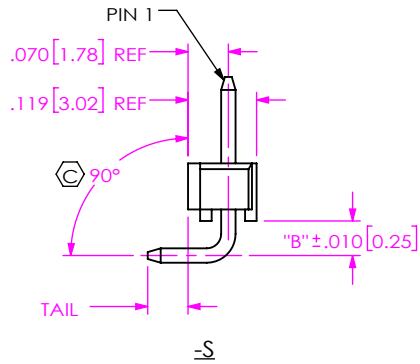
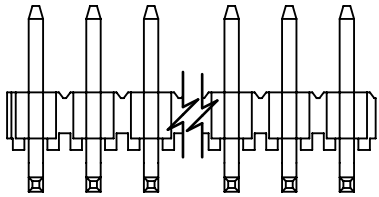


FIG 2
MTSW-XXX-XX-X-S-XXXX-RX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

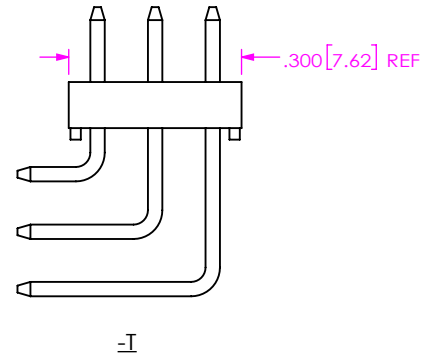
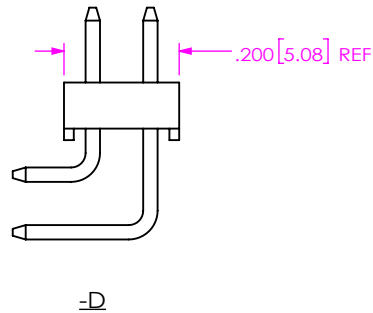
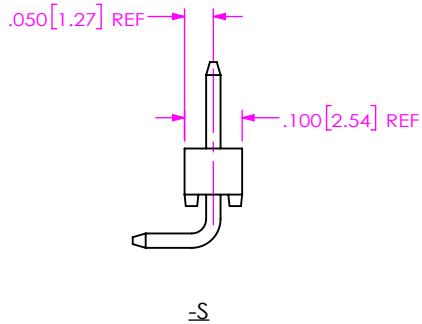
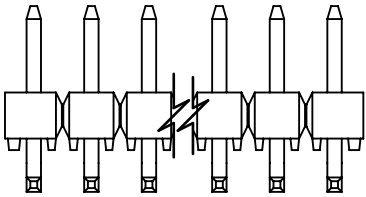


FIG 3
MTSW-XXX-XX-X-S-XXXX-NX SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

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	DO NOT SCALE DRAWING	DESCRIPTION: ASSEMBLY, .025[.64] SQ. POST TERMINAL STRIP
	SHEET SCALE: 1:2	DWG. NO. MTSW-XXX-XX-X-X-XXXX-XX-XXX BY: PURVIS 02/17/1987 SHEET 2 OF 6

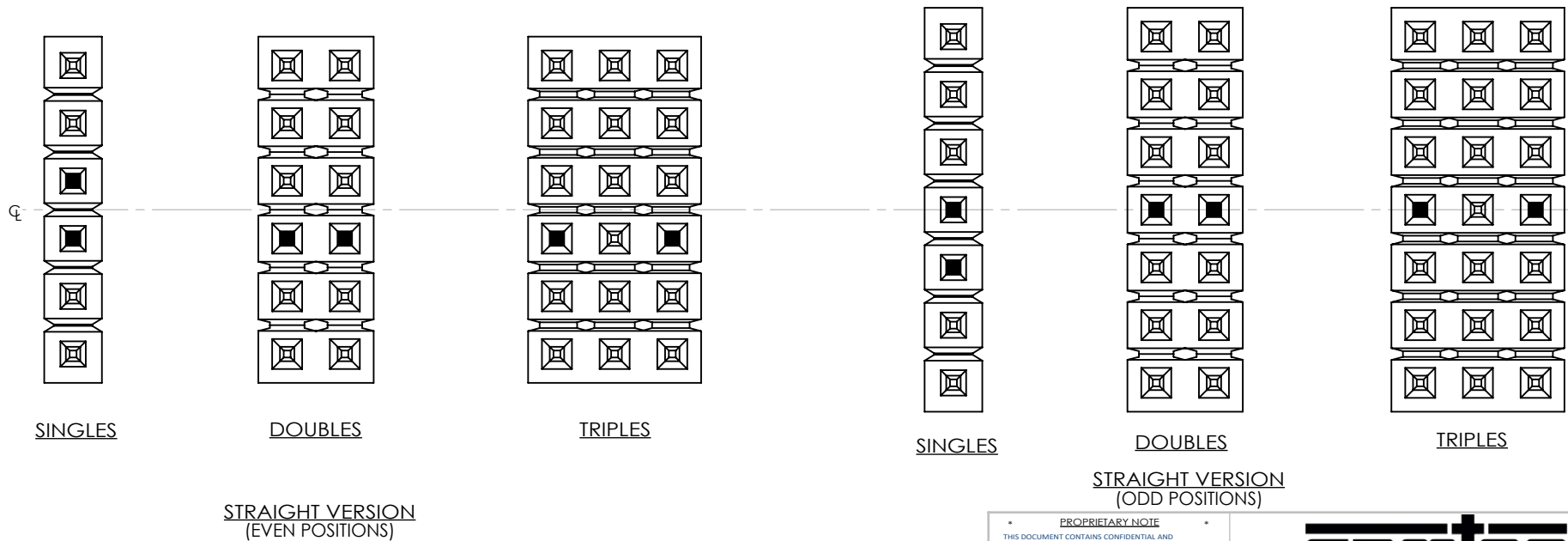
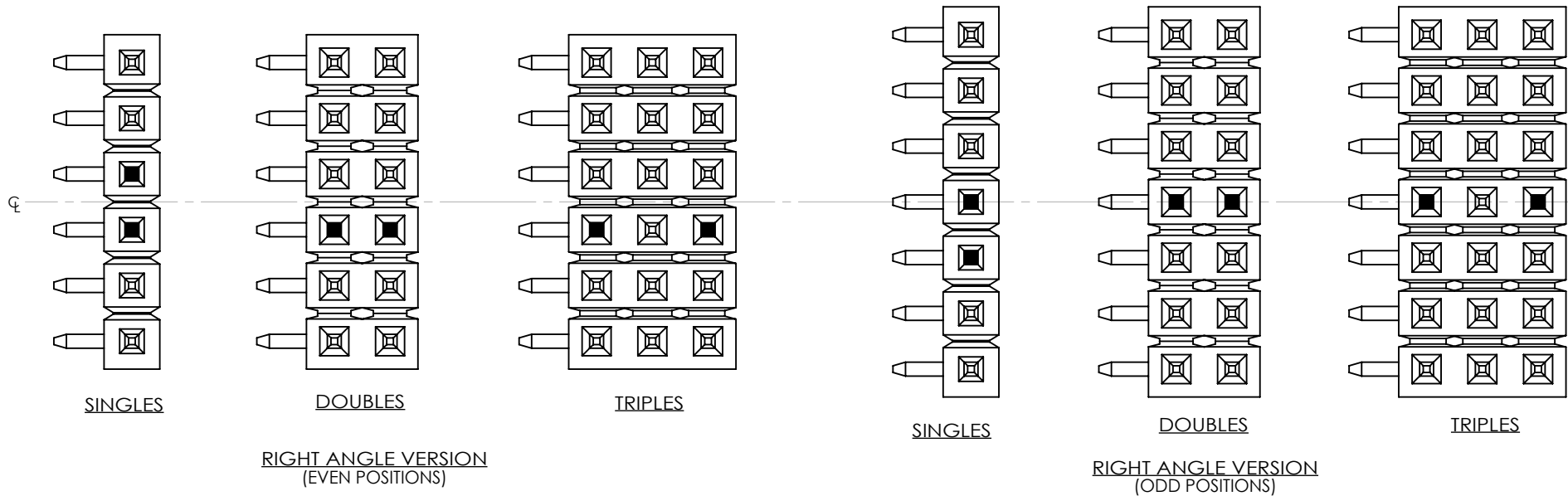
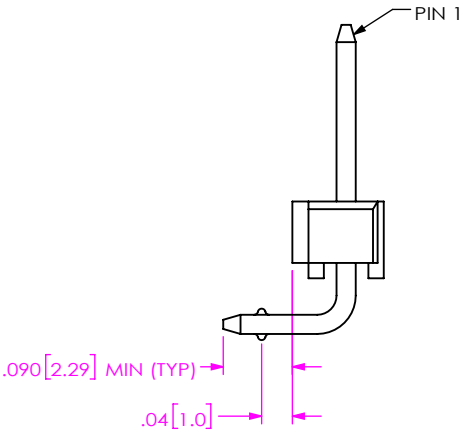
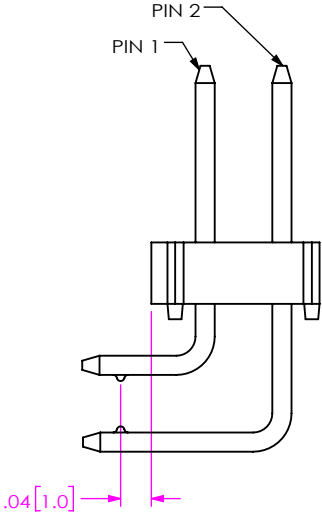


FIG 4
LOCKING LEAD
(STRAIGHT & RA VERSIONS)
■ = CRIMP LOCATION

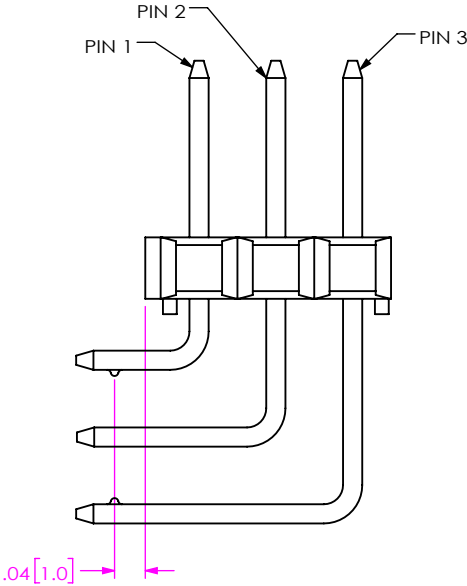
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	<p>DWG. NO. MTSW-XXX-XX-X-X-XXXX-XX-XXX</p>	
<p>BY: PURVIS</p>		<p>02/17/1987</p>
<p>SHEET 3 OF 6</p>		



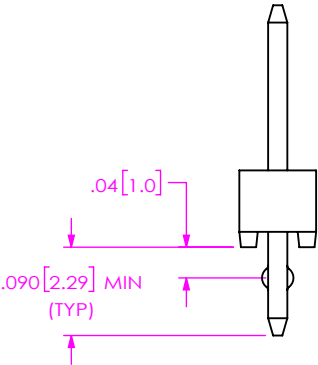
SINGLE -RA/-RE
(SHOWN WITH -LA OPTION)



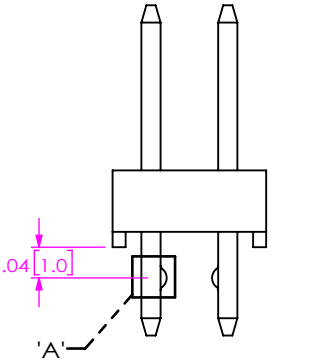
DOUBLE -RA
(SHOWN WITH -LA OPTION)



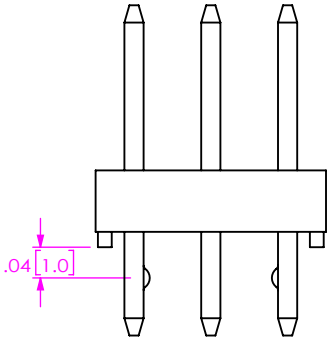
TRIPLE -RA
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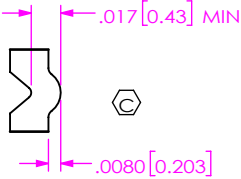
SINGLE
(SHOWN WITH -LL OPTION)



DOUBLE
(SHOWN WITH -LL OPTION)




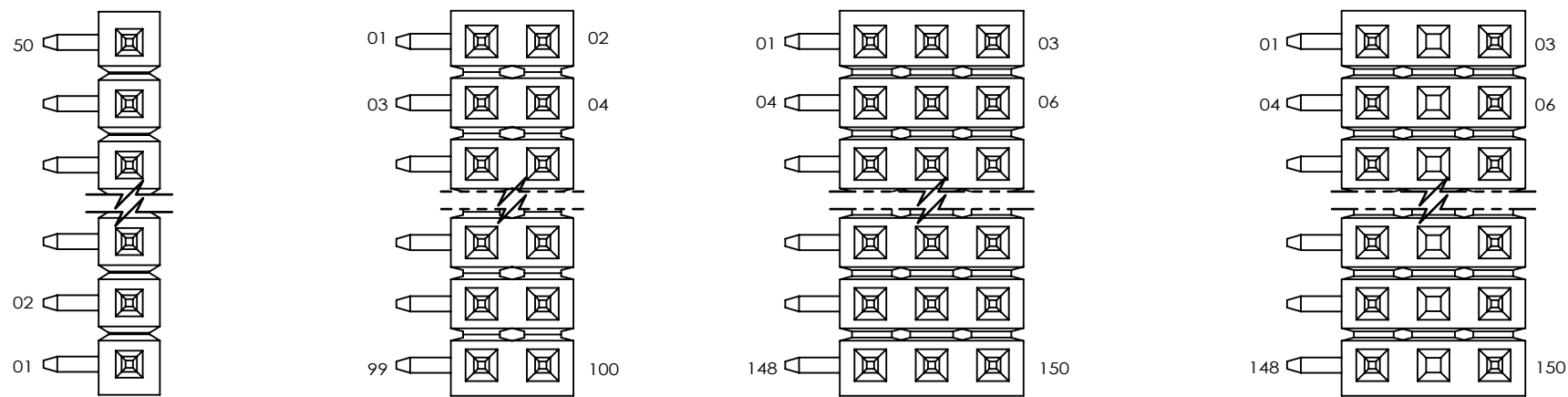
TRIPLE
(SHOWN WITH -LL OPTION)



DETAIL 'A'
(CRIMP DETAIL)
(TYP ALL CRIMPS)

FIG 5

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<p>DESCRIPTION: ASSEMBLY, .025[.64] SQ. POST TERMINAL STRIP DWG. NO. MTSW-XXX-XX-X-X-XXXX-XX-XXX</p>	
BY: PURVIS	02/17/1987
SHEET 4 OF 6	



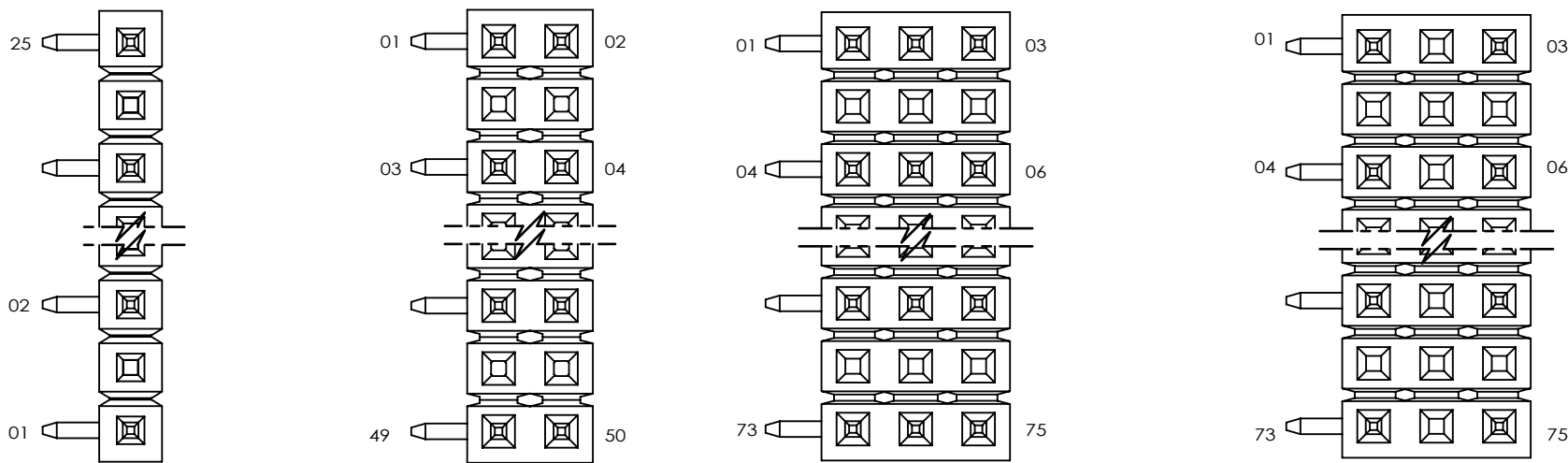
-S: SINGLES

-D: DOUBLES

-T: TRIPLES

-Q: TRIPLES
(FILL OUTER ROWS ONLY)

-1 = .100 TERMINAL SPACING



-S: SINGLES

-D: DOUBLES

-T: TRIPLES

-Q: TRIPLES
(FILL OUTER ROWS ONLY)

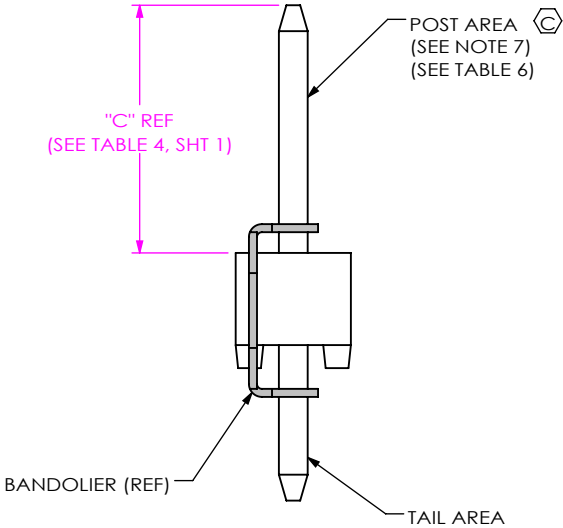
-2 = .200 TERMINAL SPACING

FIG 6
POLARIZATION
(STRAIGHT & RA VERSIONS)


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		DWG. NO. MTSW-XXX-XX-X-X-XXXX-XX-XXX	
	BY: PURVIS	02/17/1987	SHEET 5 OF 6

TABLE 6			
LEAD STYLE	NUMBER OF BAND MARKS ALLOWED IN POST AREA		
	PIN #1	PIN #2	PIN #3
*-05	1	N/A	N/A
-06	1	N/A	N/A
-07	1	1	1
-07-RA	0	0	0
-08	2	2	2
-08-RA	0	0	0
-08-RE	0	0	0
*-09	2	2	2
*-09-RA	1	0	0
*-09-RE	0	0	0
*-10	2	2	2
*-10-RA	1	0	0
*-10-RE	0	0	0
*-11	2	2	2
*-11-RA	1	0	0
*-11-RE	0	0	0
*-12	2	2	2
*-12-RA	1	0	0
*-12-RE	0	0	0
*-13	2	2	N/A
*-13-RA	1	0	N/A
*-13-RE	0	0	N/A
*-21	2	N/A	N/A
*-21-RA	1	N/A	N/A
*-21-RE	0	N/A	N/A
-22	2	2	2
*-22-RA	1	0	0
*-22-RE	0	0	0
-23	2	N/A	N/A
-23-RA	0	N/A	N/A
-24	2	N/A	N/A
-24-RA	0	N/A	N/A
*-27	2	N/A	N/A
*-27-RA	1	N/A	N/A
*-27-RE	0	N/A	N/A
*-28	2	2	N/A
*-28-RA	1	0	N/A
*-28-RE	0	0	N/A

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



IN PROCESS 1
-T PLATING ONLY

DO NOT SCALE DRAWING SHEET SCALE: 4:1	<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>	
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	DESCRIPTION: ASSEMBLY, .025[.64] SQ. POST TERMINAL STRIP	
	DWG. NO. MTSW-XXX-XX-X-X-XXXX-XX-XXX	
	BY: PURVIS	02/17/1987 SHEET 6 OF 6