

DO NOT SCALE
FROM THIS PRINT

TERMINAL SPECIFICATIONS

TERMINAL SPEC	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

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]	
-27	1.230 [31.24]	1.030 [26.16]	.930 [23.62]
-28	1.030 [26.16]	.830 [21.08]	.730 [18.54]

1. TERMINAL PUSHOUT FORCE: 3 LBS. MIN.
2. HEIGHT VARIATION BETWEEN ANY TWO ROWS SHALL BE .005[0.13] MAX (R.A. TAIL N/A)
3. ASSEMBLE GOLD PLATE END AS SHOWN.
4. NOTE DELETED.
5. (Ⓢ) REPRESENTS CRITICAL DIMENSION.
6. TOW & SWAY SPEC OF 2" APPLIES TO ALL POSITIONS, POST & TAIL, IN ALL DIRECTIONS.
7. -STL PLATING AVAILABLE IN LEAD STYLES -07, -08, -10, -16, -17, & -21.
STRAIGHT THROUGH HOLE ONLY.
8. ORIENTATE PINS TO REDUCE THE NUMBER OF BANDOLIER MARKS IN THE POST AREA.
(SEE TABLE 6)
9. NOTE DELETED.
10. MAXIMUM CUT FLASH: .020[0.51]
11. TABLE 5 IS A REFERENCE FOR INDIVIDUAL PIN LENGTHS AS LISTED ON THE T-156
COMPONENT PART AND NOT THE TERMINAL SPEC IN TABLE 1 OR IN THE PART CALLOUT.
12. MUST USE T-30193-13 (2 1/2" BLADES) TO CUT -T AND -Q PARTS.

Figure 1: Detail of the Tail Section of the Assembly

Dimensions and Tolerances:

- Overall Length: $A \pm .015 [38] / .010 [25]$
- Pin Spacing: $1XX = .100 [2.54]$, $2XX = .200 [5.08]$
- Pin Diameter: $.165 [4.19] \text{ (REF)}$
- Pin Tolerance: $C \pm .008 [20]$ (SEE NOTE 2)
- Gold Plate: GOLD PLATE (SEE NOTE 3)
- Reference Dimension: $.100 [2.54] \text{ REF.}$
- Formula: $\text{TAIL} = L - C - .100 [2.54]$

BODY SPECIFICATION		TABLE 3	
ROW/OPTION	USE BODY	-XX	"B"
-S/-S-NA/-S-NE	TSW-50-S	-RA	.060 [1.52]
-S-RA/-S-RE	TSW-50-S-RA	-RE	.160 [4.06]
-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		
-O	TSW-50-T		

* RTSW FOR HAND FILL. TSW FOR MACHINE FILL.
TSW AND RTSW ARE INTERCHANGEABLE.

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]

SEE NOTE 11

* REF FOR PIN LENGTH, SHT 1

ONE PLACE DECIMALS $\pm .1$ [3]	THREE PLACE DECIMALS $\pm .005$ [.13]
TWO PLACE DECIMALS $\pm .01$ [.3]	FOUR PLACE DECIMALS $\pm .0020$ [.0]

cs	ASSEMBLY, .025 [.64] SQ. PO TERMINAL STRIP
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SHEET 1 OF 3

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)-.100 [2.54]

TERMINAL SPECIFICATION
SEE TABLE 1

— OPTION #2

-POLARIZATION SPEC.
XXX INDICATES POS. TO BE OMITTED
(SEE FIG. 2)

OPTION #1

- BLANK= STRAIGHT
 -RA= RIGHT ANGLE (SEE TABLE 3 & FIG. 3)-(05 N/A)
 -RE= EXTENDED RIGHT ANGLE (SEE TABLE 3 & FIG.3)
 -LL= LEFT ANGLE ONLY (05-07-23-24 N/A)
 -NA= RA OPTION WITH STRAIGHT OPTION BODY
 -RE= RE OPTION WITH STRAIGHT OPTION BODY
 -LL= LOCKING LEAD (SEE FIG 1)
 (05-07-23-24 WITH RE OPTION OR SINGLE ROW
 OR 2 POSITION)
 (TAILS FROM .090 [2.29] TO .400 [10.16] ONLY)
 (N/A IN SINGLE ROW & 2 POSITIONS)
 -LA= N/A OPTION WITH RE OPTION (SEE FIG 2 & 3)
 (05-07-23-24 WITH SINGLE ROW OR 2 POSITION)
 (TAILS FROM .090 [2.29] TO .310 [7.87] ONLY)
 POST = .530 [13.46] MAX.

— POST HEIGHT
XXXX = "C"

PLATING SPECIFICATIONS

- 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, 3µ" GOLD ON TAIL
- F: 3µ" FLASH SELECTIVE GOLD, MATTE TIN TAIL
- STL: 30µ" GOLD SELECTIVE ON CONTACT TIN/LEAD (90/10/-/-5%) TAIL
- TL: MATTE TIN CONTACT AND TAIL
- S2: 30µ" SELECTIVE GOLD ON CONTACT MATTE TIN TAIL
- LH: 10µ" LIGHT SELECTIVE GOLD, MATTE TIN TAIL
- EM: 3µ" GOLD FLASH SELECTIVE ON CONTACT MATTE TIN TAIL

2"
(TYP)

STRAIGHT
(SCALE = .75x)

SINGLE -RA/-RE
DOUBLE -RA
(SCALE=.75x)

PIN 3
2
1
2° (TYP)
(SEE TABLE 4)
.06 [1.5]
TRIPLE -RA
(SCALE=.75x)

MATERIAL:
BODIES:
GLASS FILLED POLYESTER
COLOR: BLACK
TERMINALS:
PHOSPHOR BRONZE

EXISPR
samtec

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CODE 55322

MADE BY: PURVIS 2-17-87

MTSW-YYY-YY-Y-Y-YYYY-YY-YYY

SHEET 1 OF 3

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