## REVISION DO

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

# TSW-XXX-XX-XXX-X-XXX

#### TERMINAL SPACE SPEC.

(SEE ASSEMBLY INSTRUCTIONS)

- -1=.100[2.54] FILL EVERY POSITION
- -2= .200[5.08] FILL EVERY OTHER 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.  $\times$  .100[2.54]
- -2: -02 THRU -25 (-S, -D, -T)
- "A" = NO OF POS.  $\times$  .200[5.08] .100[2.54]

#### **TERMINAL SPECIFICATION** SEE TABLE 1

#### **PLATING SPECIFICATION**

- -G: 10μ" GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL
- -T: MATTE TIN CONTACT AND TAIL
- -S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- -H: 30µ" HEAVY GOLD IN CONTACT AREA, 3µ" GOLD ON TAIL
- -L: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- -F: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- -E: 50μ" EXTRA HEAVY GOLD IN CONTACT AREA, 3μ" GOLD ON TAIL (-07, -13, -14, -15, -20, -21 ONLY)
- -TL: TIN/LEAD (90/10 +/-5%) CONTACT AND TAIL (AVAILABLE ONLY ON LEAD STYLES -07, -08 & -09)
- -STL: 30µ" SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10 +/-5%) TAIL
- (AVAILABLE ONLY ON LEAD STYLES -07, -08, -10, -15, -16, -17, -21, -23 & -24 THROUGH HOLE ONLY)
- -TM: MATTE TIN CONTACT AND TAIL
- -SM: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- -LM: 10µ" LIGHT SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- -FM: 3µ" FLASH SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- -SS: 30µ" STRIPE SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL (SEE NOTE 13)

#### OPTION #2

-POLARIZING SPECIFICATION

XXX INDICATES POS. TO BE OMITTED (SEE FIG 3)

#### OPTION #1

- -BLANK= STRAIGHT
- -RA= RIGHT ANGLE (SEE TABLE 3 & 5, FIG 5)
- -RE= EXTENDED RIGHT ANGLE (SEE TABLE 3 & 5, FIG 5) (SINGLE ROW ONLY)
- -NA= RA OPTION WITH STRAIGHT OPTION BODY
- -NE= RE OPTION WITH STRAIGHT OPTION BODY
- -LC= LOCKING CLIP (USE LTC-01 FOR -S ROW AND LTC-02 FOR -D ROW) (STYLES 08 THRU 13 & 22 ONLY) (SEE FIG 2)
- (N/A IN -RA OR -RE OPTION AND/OR LESS THAN 4 POSITIONS)
- (N/A IN -T OR -Q)
- -LA= -RA OPTION WITH -LL OPTION (SEE FIG 5)
- -LL= LOCKING LEAD (SEE FIG 4)
- (N/A WITH -RE OR -NE OPTION)
- (N/A IN SINGLE ROW, 1 OR 2 POSITIONS)

#### **ROW SPECIFICATION (SEE TABLE 2)**

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

- 1. (C) REPRESENTS CRITICAL DIMENSION.
- 2. MINIMUM TERMINAL PUSHOUT: 3 LBS.
- © 3. MAXIMUM HEIGHT VARIATION: .005 [.13] (R.A. TAIL N/A).
  - 4. ASSEMBLE GOLD PLATE END AS SHOWN.
  - 5. STYLE -26: ROUND END TO APPEAR ON BOTTOM.
  - 6. 'C'± .005[0.13] FOR STYLE -08, OPTION -LA & -RA ONLY.
  - 7. TOW & SWAY SPEC. OF 2° APPLIES TO ALL POSITIONS, POST & TAIL, IN ALL DIRECTIONS
- 8. ALL DIMENSIONS TO BE ABOUT CL WITHIN ±.005 [.13]
- 9. MEASURE FROM THE BEND RADIUS OF THE TERMINALS.
- 10. TSW-50-D BODY CAN BE USED IF RTSW-50-D IS UNAVAILABLE 11. ORIENTATE PINS TO PREVENT BANDOLIER MARKS FROM SHOWING
  - IN THE POST AREA. (SEE TABLE 7) 12. MAXIMUM CUT FLASH: .020 [.50]
  - 13. -SS OPTION ONLY AVAILABLE IN STRAIGHT LEAD STYLES -07. -08 & -09, -RA STYLE -08 ONLY. CAN ONLY MATE WITH SSW, SSQ, SSM, ESW, ESQ AND BCS.

UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES.

**TOLERANCES ARE:** DECIMALS **ANGLES** 2 °

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

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BODIES: DUPONT PBT, UL 94 VO, COLOR: BLACK TERMINALS: PHOS BRONZE

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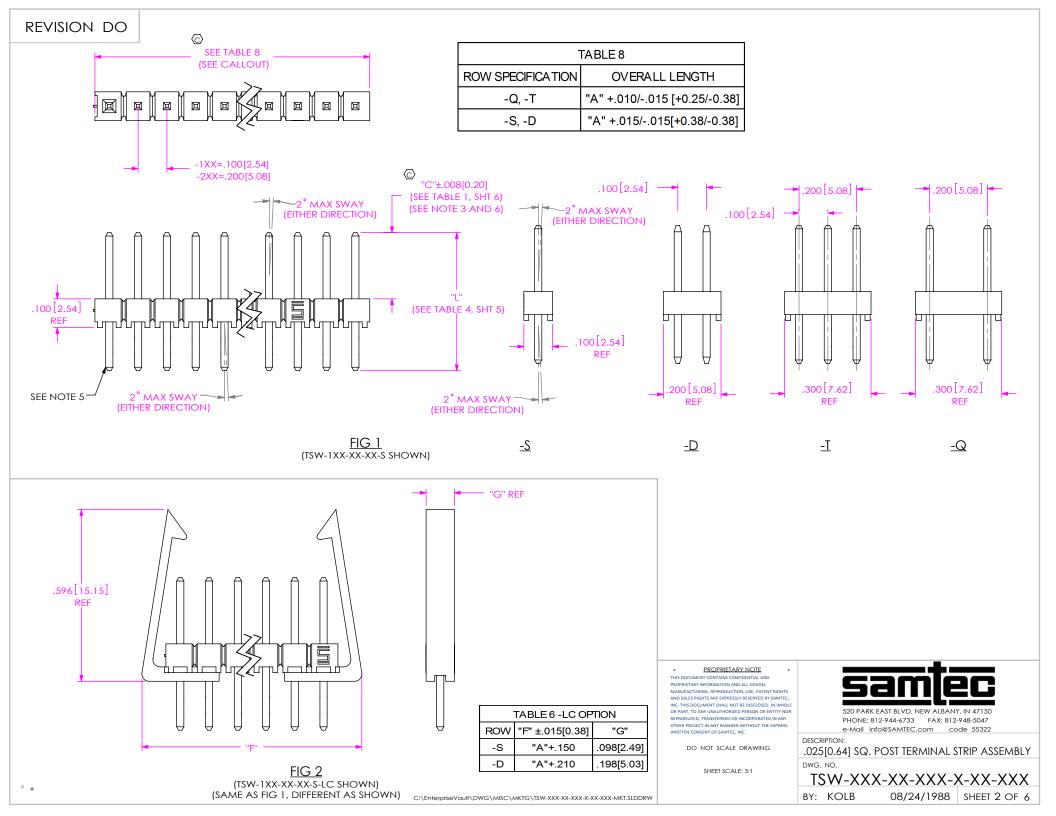
.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

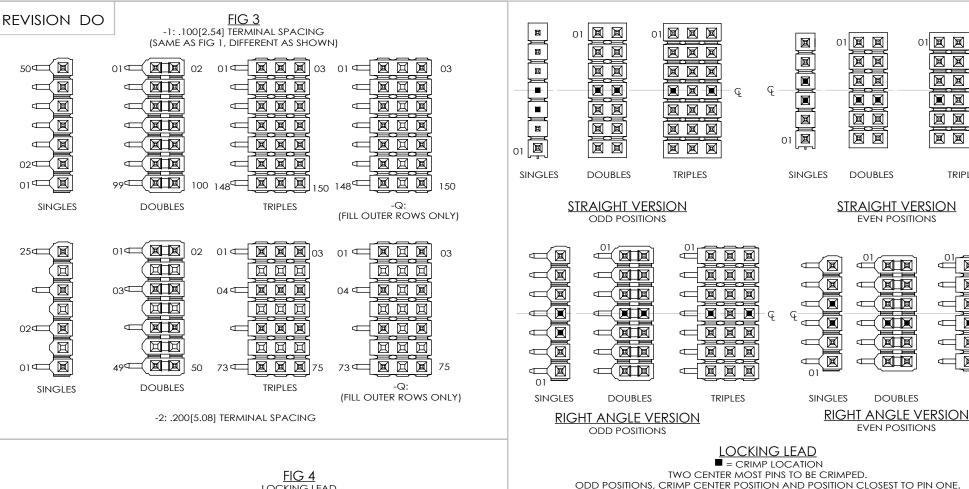
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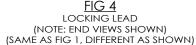
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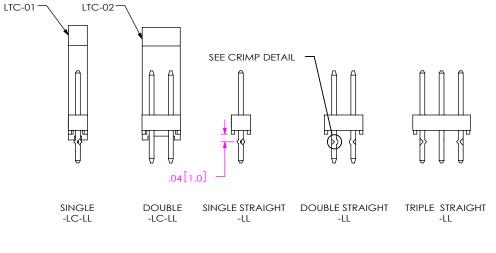
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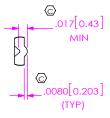
08/24/1988 | SHEET 1 OF 6











CRIMP DETAIL SCALE: 4:1

(TYP ALL CRIMPS)

#### PROPRIETARY NOTE

IF CRIMP POSITION IS POLARIZED, MOVE ONE POSITION TOWARDS PIN ONE.

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BY: KOLB

.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

TSW-XXX-XX-XXX-X-XXX

08/24/1988 SHEET 3 OF 6

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**TRIPLES** 

**TRIPLES** 

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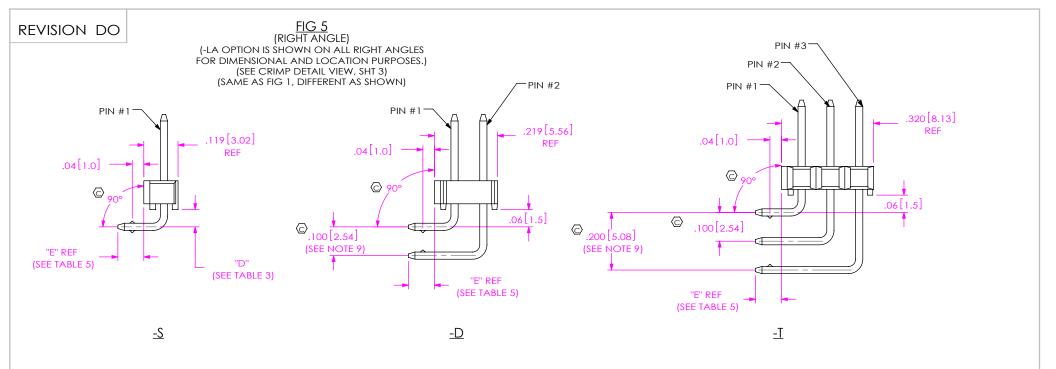


TABLE 3					
-XX	"D"				
-RA/-NA	.06[1.5]				
-RE/-NE	.16[4.1]				

TABLE 5 "E"								
LEAD STYL	RA SINGLE	RE SINGLE	RA DOUBLE	RA TRIPLE	NA SINGLE	NE SINGLE	NA DOUBLE	NA TRIPLE
08	.090 [2.29]	N/A	.090 [2.29]	.090 [2.29]	.109 [2.77]	N/A	.109 [2.77]	.109 [2.77]
09	.290 [7.37]	.190 [4.83]	.290 [7.37]	.290 [7.37]	.309 [7.85]	.209 [5.31]	.309 [7.85]	.309 [7.85]
10	.390 [9.91]	.290 [7.37]	.390 [9.91]	.390 [9.91]	.409 [10.39]	.309 [7.85]	.409 [10.39]	.409 [10.39]
11	.490 [12.45]	.390 [9.91]	.490 [12.45]	.490 [12.45]	.509 [12.93]	.409 [10.39]	.509 [12.93]	.509 [12.93]
12	.590 [14.99]	.490 [12.45]	.590 [14.99]	.590 [14.99]	.609 [15.47]	.509 [12.93]	.609 [15.47]	.609 [15.47]
13	.790 [20.07]	.690 [17.53]	.790 [20.07]	N/A	.809 [20.55]	.709 [18.01]	.809 [20.55]	N/A
16	.200 [5.08]	.100 [2.54]	.200 [5.08]	.200 [5.08]	.219 [5.56]	.119 [3.02]	.219 [5.56]	.219 [5.56]
21	.990 [25.15]	.890 [22.61]	N/A	N/A	1.009 [25.63]	.909 [23.09]	N/A	N/A
22	.190 [4.83]	.090 [2.29]	.190 [4.83]	.190 [4.83]	.209 [5.31]	.109 [2.77]	.209 [5.31]	.209 [5.31]
25	.100 [2.54]	N/A	.100 [2.54]	.100 [2.54]	.119 [3.02]	N/A	.119 [3.02]	.119 [3.02]
27	.890 [22.61]	.790 [20.07]	N/A	N/A	.909 [23.09]	.809 [20.55]	N/A	N/A
28	.690 [17.53]	.590 [14.99]	.690 [17.53]	N/A	.709 [18.01]	.609 [15.47]	.709 [18.01]	N/A
29	.800 [20.32]	N/A	N/A	N/A	.819 [20.80]	N/A	N/A	N/A
30	.600 [15.24]	N/A	.600 [15.24]	N/A	.619 [15.72]	N/A	.619 [15.72]	N/A

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DESCRIPTION:

.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

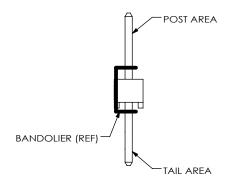
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# REVISION DO

TABLE 7 (-T PLATING ONLY)									
	NUMBER OF BAND MARKS ALLOWED IN POST AREA				NUMBER OF BAND MARKS ALLOWED IN POST AREA				
LEAD STYLE	PIN #1	PIN #2	PIN#3	LEAD STYLE	PIN #1	PIN #2	PIN #3		
*-05	*0	N/A	N/A	*-17	2	N/A	N/A		
-06	1	N/A	N/A	*-18	2	N/A	N/A		
-07	1	N/A	N/A	*-19	2	N/A	N/A		
-08	0	0	0	*-20	2	N/A	N/A		
-08 RA	0	0	0	*-21	2	N/A	N/A		
-09	0	0	0	-21-RA	0	N/A	N/A		
-09 RA	0	0	0	-21-RE	0	N/A	N/A		
-09-RE	0	0	0	-22	0	0	0		
-10	0	0	0	-22-RA	0	0	0		
-10-RA	0	0	0	-22-RE	0	0	0		
-10-RE	0	0	0	-23	1	N/A	N/A		
-11	0	0	0	-24	1	N/A	N/A		
-11-RA	0	0	0	-25	1	1	1		
-11-RE	0	0	0	*-25-RA	1	0	0		
-12	0	0	0	*-26	1	N/A	N/A		
-12-RA	0	0	0	*-27	0	N/A	N/A		
-12-RE	0	0	0	*-27-RA	0	N/A	N/A		
-13	0	0	N/A	*-27-RE	0	N/A	N/A		
-13-RA	0	0	N/A	*-28	0	0	N/A		
-13-RE	0	0	N/A	*-28-RA	0	0	N/A		
-14	1	N/A	N/A	*-28-RE	0	0	N/A		
*-15	2	N/A	N/A	*-29	1	N/A	N/A		
*-16	1	1	1	*-29-RA	1	N/A	N/A		
*-16-RA	1	1	1	*-30	1	1	N/A		
*-16-RE 1 1 1			*-30-RA	1	1	N/A			

<sup>\*</sup> PINS TO BE FLIPPED OPPOSITE OF SELECTIVE PLATING BEFORE BEING INSERTED



# IN PROCESS 1 (SAME AS FIG 1, DIFFERENT AS SHOWN) -T PLATING ONLY (SEE NOTE 11) (SEE TABLE 7)

TABLE 4						
PIN STYLE	"L" REF					
T-1S6-07-XXX-2	0.430 [10.92]					
T-1S6-08-XXX-2	0.530 [13.46]					
T-1S6-09-XXX-2	0.730 [18.54]					
T-1S6-10-XXX-2	0.830 [21.08]					
T-1S6-11-XXX-2	0.930 [23.62]					
T-1S6-12-XXX-2	1.030 [26.16]					
T-1S6-13-XXX-2	1.230 [31.24]					
T-1S6-14-XXX-2	1.430 [36.32]					
T-1S6-15-XXX-2	0.630 [16.00]					
T-1S6-16-XXX-2	0.445 [11.30]					
T-1S6-17-XXX-2	0.480 [12.19]					
T-1S6-18-XXX-2	0.300 [7.62]					
T-1S6-19-XXX-2	1.330 [33.78]					
T-1S6-20-XXX-2	1.130 [28.70]					
T-1S6-21-XXX-2	0.335 [8.51]					
T-1RS7-01-XXX-2	0.456 [11.58]					

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DESCRIPTION:

.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

TSW-XXX-XX-XXX-X-XXXX BY: KOLB 08/24/1988 SHEET 5 OF 6

TABLE 1									
TERMINAL SPECIFICATIONS									
TERMINAL SPEC	PIN #1	PIN #2	PIN #3	"C"					
-05 (3)	T-1S6-21-XXX-2	N/A	N/A	0.105 [2.67]	(5)				
-06 (3)	T-1S6-18-XXX-2	N/A	N/A	0.105 [2.67]	(5)				
-07 (3)	T-1S6-07-XXX-2	N/A	N/A	0.230 [5.84]	(5)				
-08 (4)	T-1S6-08-XXX-2	T-1S6-09-XXX-2	T-1S6-11-XXX-2	(7)0.230 [5.84]	(5)(6)				
-09	T-1S6-09-XXX-2	T-1S6-11-XXX-2	T-1S6-20-XXX-2	0.230 [5.84]	(6)				
-10	T-1S6-10-XXX-2	T-1S6-12-XXX-2	T-1S6-13-XXX-2	0.230 [5.84]					
-11	T-1S6-11-XXX-2	T-1S6-20-XXX-2	T-1S6-19-XXX-2	0.230 [5.84]					
-12	T-1S6-12-XXX-2	T-1S6-13-XXX-2	T-1S6-14-XXX-2	0.230 [5.84]					
-13	T-1S6-13-XXX-2	T-1S6-14-XXX-2	N/A	0.230 [5.84]					
-14(3)	T-1S6-08-XXX-2	N/A	N/A	0.320 [8.13]	(5)				
-15 (3)	T-1S6-09-XXX-2	N/A	N/A	0.520 [13.21]	(5)				
-16	T-1S6-09-XXX-2	T-1S6-11-XXX-2	T-1S6-20-XXX-2	0.320 [8.13]	(5)(6)				
-17 (3)	T-1S6-10-XXX-2	N/A	N/A	0.620 [15.75]	(5)				
-18 (3)	T-1S6-11-XXX-2	N/A	N/A	0.720 [18.29]	(5)				
-19 (3)	T-1S6-12-XXX-2	N/A	N/A	0.820 [20.83]	(5)				
-20 (3)	T-1S6-13-XXX-2	N/A	N/A	1.020 [25.91]	(5)				
-21 (8)	T-1S6-14-XXX-2	N/A	N/A	1.220 [30.99]	(5)				
-21 (1)	T-1S6-14-XXX-2	N/A	N/A	0.230 [5.84]	(5)				
-22	T-1S6-15-XXX-2	T-1S6-10-XXX-2	T-1S6-12-XXX-2	0.230 [5.84]	(5)(6)				
-23 (3)	T-1S6-16-XXX-2	N/A	N/A	0.230 [5.84]	(5)				
-24 (3)	T-1S6-17-XXX-2	N/A	N/A	0.265 [6.73]	(5)				
-25 (4)	T-1S6-15-XXX-2	T-1S6-10-XXX-2	T-1S6-12-XXX-2	0.320 [8.13]	(5)(6)				
*-26 (3)	T-1RS7-01-XXX-2	N/A	N/A	0.230 [5.84]					
-27	T-1S6-19-XXX-2	N/A	N/A	0.230 [5.84]					
-28	T-1S6-20-XXX-2	T-1S6-19-XXX-2	N/A	0.230 [5.84]					
-29(4)	T-1S6-19-XXX-2	N/A	N/A	0.320 [8.13]					
-30 (4)	T-1S6-20-XXX-2	T-1S6-19-XXX-2	N/A	0.320 [8.13]					



<sup>(2)</sup> OMIT WITH -Q ROW SPECIFICATION

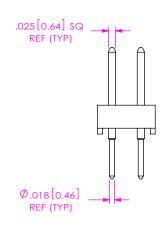


FIG 6 (-26 LEAD STYLE) (SAME AS FIG. 1, DIFFERENT AS SHOWN)

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.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

TSW-XXX-XX-XXX-X-XXX BY: KOLB 08/24/1988 SHEET 6 OF 6

<sup>(3)</sup> NOT AVAILABLE IN -RA OR -RE OPTION

<sup>(4)</sup> NOT AVAILABLE IN -RE OPTION

<sup>(5)</sup> AVAILABLE IN -LL OPTION

<sup>(6)</sup> AVAILABLE IN -LA OPTION

<sup>(</sup>b) AVAILABLE IN -LA OPTION .005[0.13] (7) ON STYLE -08 -LA, RA: "C" = .230[5.84]± .008[0.20] (8) 1.220[30.99] POST FOR STRAIGHT PIN VERSION

<sup>\*</sup> SQUARE END OF PIN (T-1RS7-01-XXX-2 SHOULD BE LOCATED AT "C" DIMENSION DURING FILL PROCESS. (SEE FIG. 6)