

DO NOT  
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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

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

## NOTES:

1.  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'±<sup>.005[0.13]</sup><sub>.008[0.20]</sub> 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
.XX: ±.01 [.3]	2°
.XXX: ±.005 [.13]	
.XXXX: ±.0020 [.051]	

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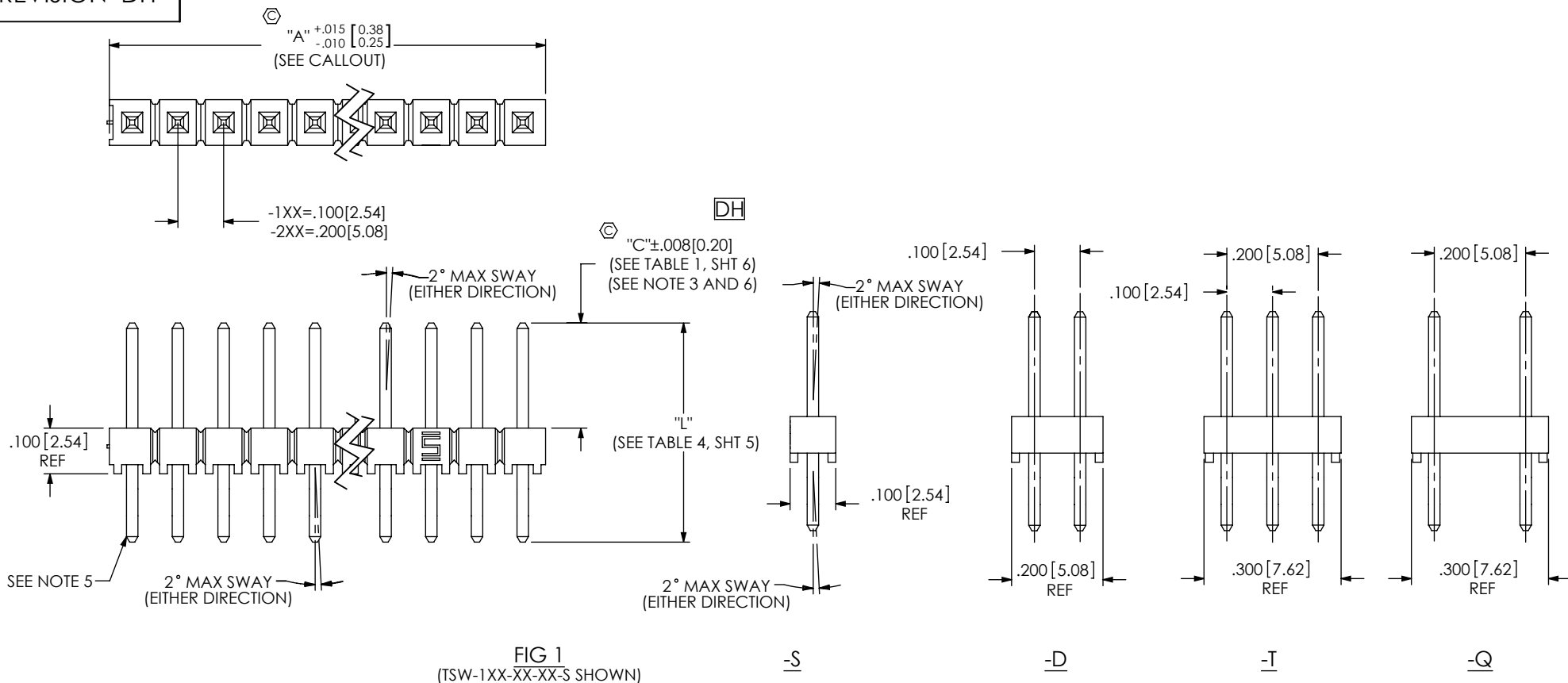
520 PARK EAST BLVD., NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1  
BODIES: DUPONT PBT, UL 94 VO, COLOR: BLACK  
TERMINALS: PHOS BRONZE

DESCRIPTION:  
.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

DWG. NO.  
**TSW-XXX-XX-XXX-X-XX-XXX**

BY: KOLB 08/24/1988 SHEET 1 OF 6



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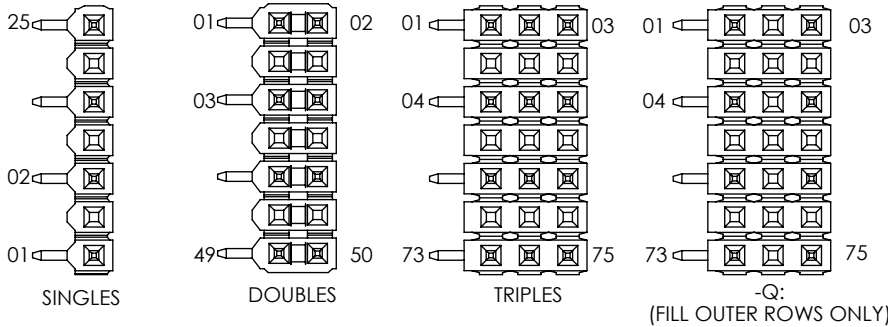
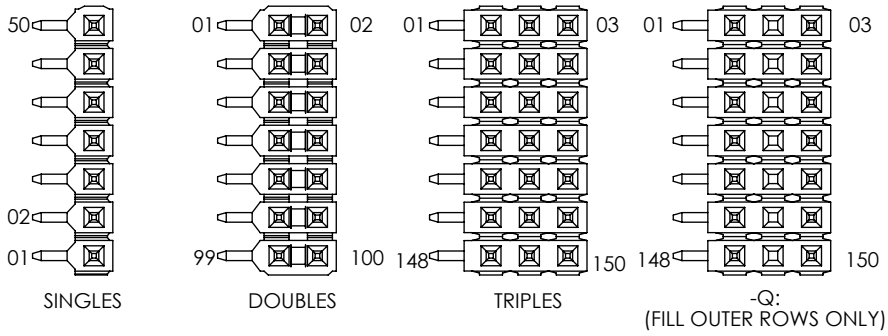
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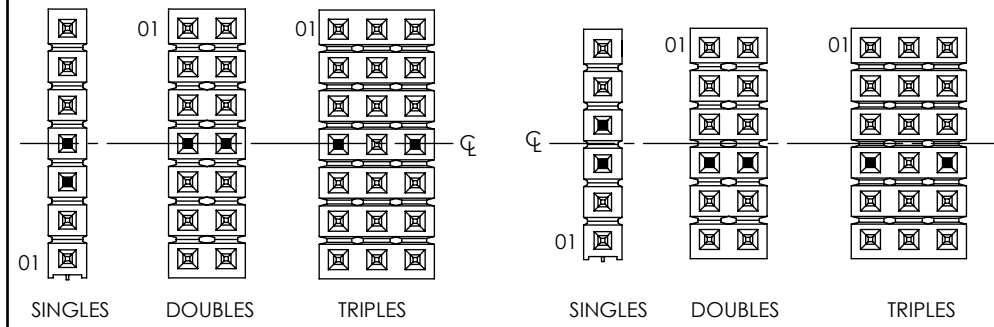
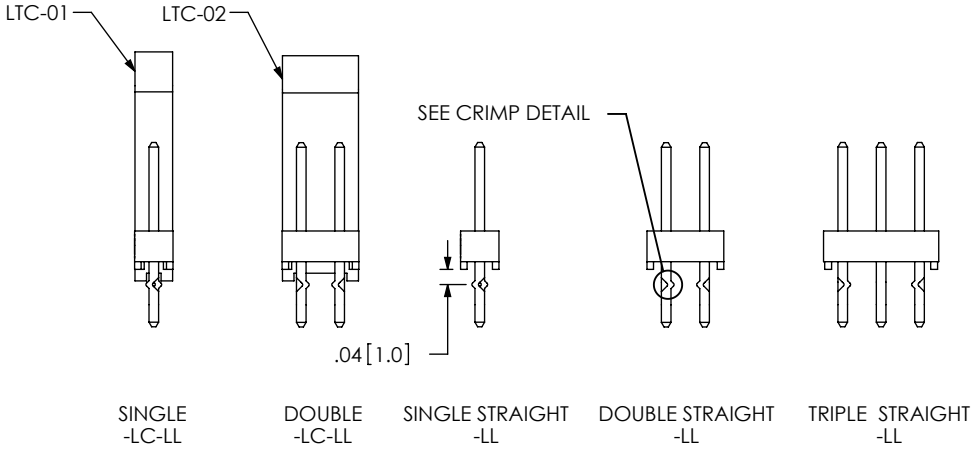
FIG 3

-1: .100[2.54] TERMINAL SPACING  
(SAME AS FIG 1, DIFFERENT AS SHOWN)



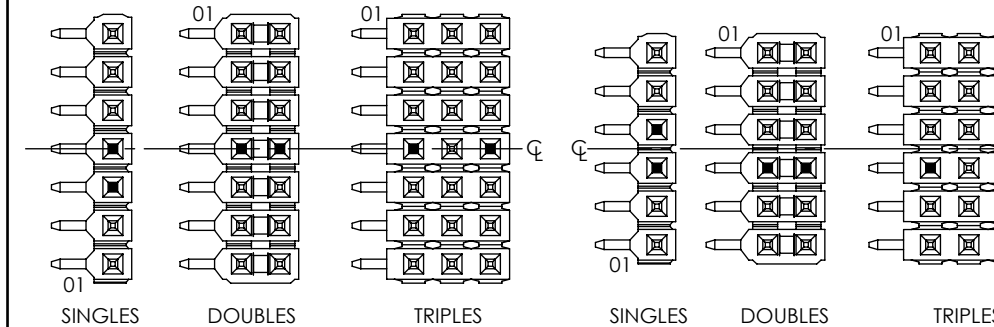
-2: .200[5.08] TERMINAL SPACING

FIG 4  
LOCKING LEAD  
(NOTE: END VIEWS SHOWN)  
(SAME AS FIG 1, DIFFERENT AS SHOWN)



STRAIGHT VERSION  
ODD POSITIONS

STRAIGHT VERSION  
EVEN POSITIONS



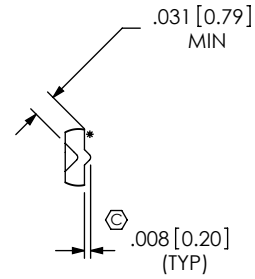
RIGHT ANGLE VERSION  
ODD POSITIONS

RIGHT ANGLE VERSION  
EVEN POSITIONS

LOCKING LEAD

■ = CRIMP LOCATION

TWO CENTER MOST PINS TO BE CRIMPED.  
ODD POSITIONS, CRIMP CENTER POSITION AND POSITION CLOSEST TO PIN ONE.  
IF CRIMP POSITION IS POLARIZED, MOVE ONE POSITION TOWARDS PIN ONE.



CRIMP DETAIL  
SCALE: 4:1  
(TYP ALL CRIMPS)

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DWG. NO.  
TSW-XXX-XX-XXX-X-XX-XXX

BY: KOLB 08/24/1988 SHEET 3 OF 6

FIG 5

(RIGHT ANGLE)

(-LA OPTION IS SHOWN ON ALL RIGHT ANGLES  
FOR DIMENSIONAL AND LOCATION PURPOSES.)

(SEE CRIMP DETAIL VIEW, SHT 3)

(SAME AS FIG 1, DIFFERENT AS SHOWN)

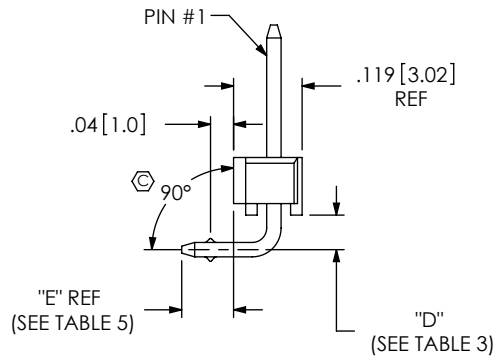
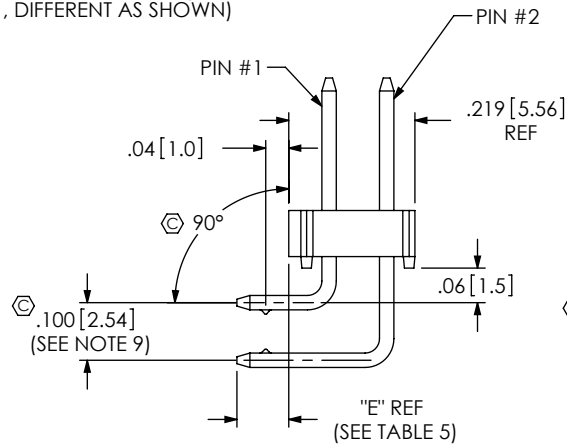
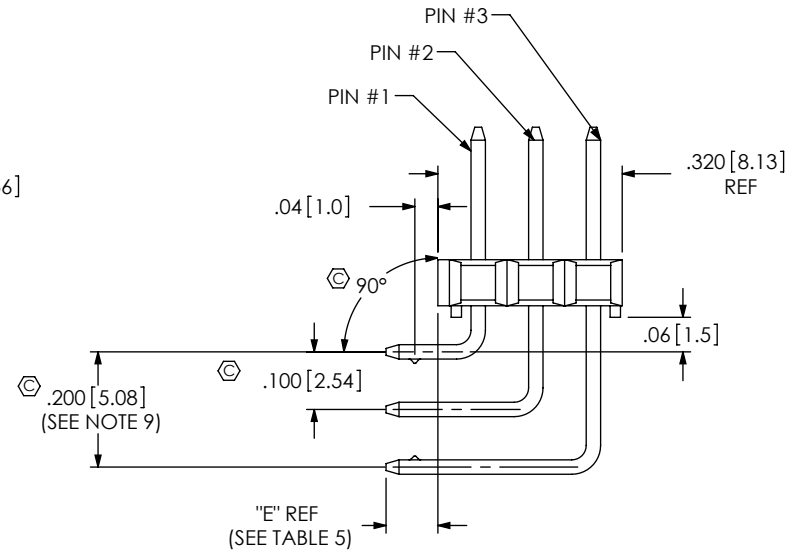
-S-D-T

TABLE 3

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

TABLE 5 "E"

LEAD STYLE	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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e-Mail: info@SAMTEC.com code 55322

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.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

DWG. NO.

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

BY: KOLB

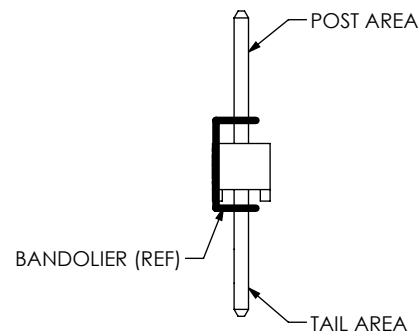
08/24/1988

SHEET 4 OF 6

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	F	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

\* 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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.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY

DWG. NO.  
TSW-XXX-XX-XXX-X-XX-XXX

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]

- (1) .230[5.84] POST FOR -RA OR -RE OPTION  
 (2) OMIT WITH -Q ROW SPECIFICATION  
 (3) NOT AVAILABLE IN -RA OR -RE OPTION  
 (4) NOT AVAILABLE IN -RE OPTION

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

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

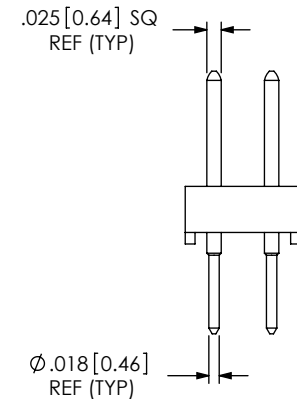


FIG 6  
 (-26 LEAD STYLE)  
 (SAME AS FIG. 1, DIFFERENT AS SHOWN)

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