

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
(-07, -08, -09, -13, -14, -15, -16, -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

- NOTES:
- ⊙ REPRESENTS CRITICAL DIMENSION.
 - MINIMUM TERMINAL PUSHOUT: 3 LBS.
 - MAXIMUM HEIGHT VARIATION: .005[0.13] (-RA TAIL N/A).
 - ASSEMBLE GOLD PLATE END AS SHOWN.
 - STYLE -26: ROUND END TO APPEAR ON BOTTOM.
 - "C"±^{.005[0.13]}_{.008[0.20]} FOR STYLE -08, OPTION -LA & -RA ONLY.
 - TOW & SWAY SPEC. OF 2° APPLIES TO ALL POSITIONS, POST & TAIL, IN ALL DIRECTIONS.
 - ALL DIMENSIONS TO BE ABOUT CL WITHIN ±.005[0.13].
 - MEASURE FROM THE BEND RADIUS OF THE TERMINALS .
 - TSW-50-D BODY CAN BE USED IF RTSW-50-D IS UNAVAILABLE
 - ORIENTATE PINS TO PREVENT BANDOLIER MARKS FROM SHOWING IN THE POST AREA. (SEE TABLE 7)
 - MAXIMUM CUT FLASH: .020[0.50]
 - 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[0.3]

2 °

.XXX: ±.005[0.13]

.XXXX: ±.0020[0.051]

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



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

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

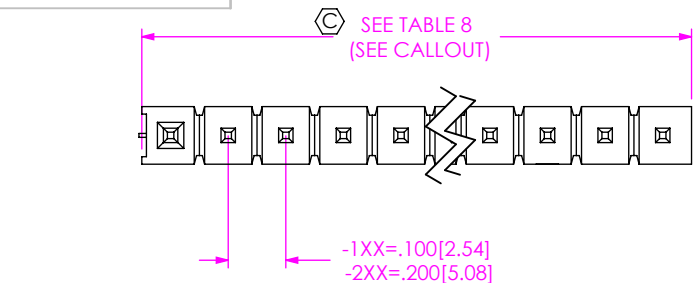


TABLE 8	
ROW SPECIFICATION	OVERALL LENGTH
-Q, -T	"A" +.010/-.015 [+0.25/-0.38]
-S, -D	"A" +.015/-.015 [+0.38/-0.38]

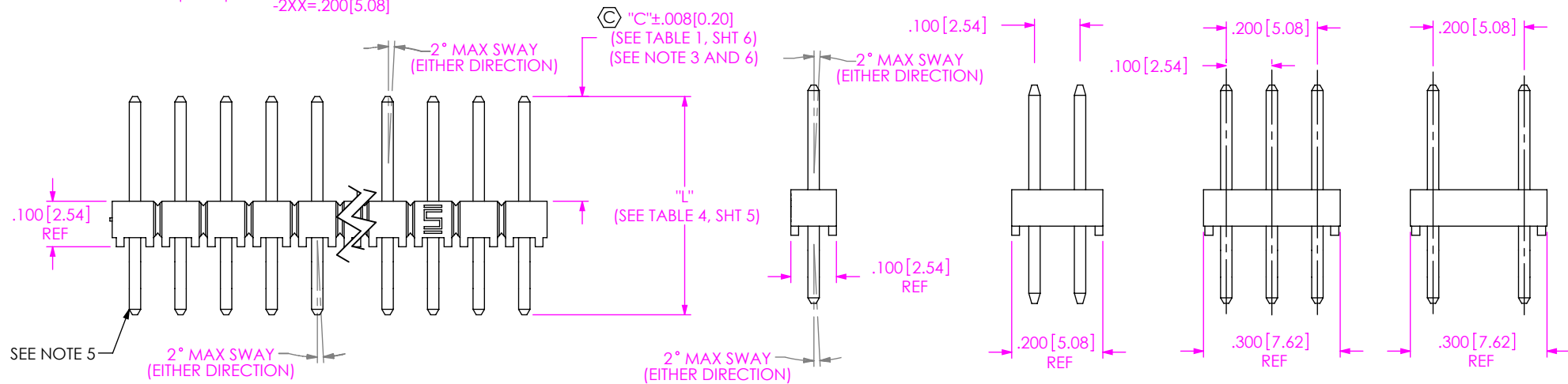


FIG 1
(TSW-1XX-XX-XX-S SHOWN)

-S

-D

-I

-Q

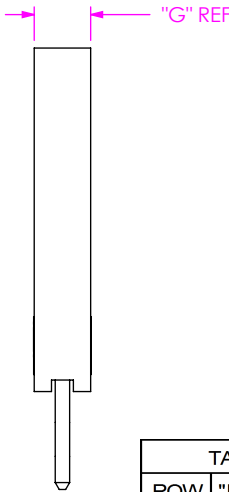
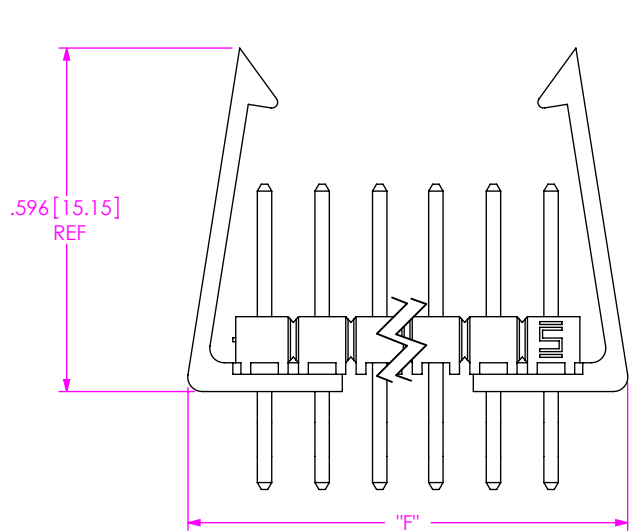


FIG 2
(TSW-1XX-XX-XX-S-LC SHOWN)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

TABLE 6 -LC OPTION		
ROW	"F" ±.015[0.38]	"G"
-S	"A"±.150	.098[2.49]
-D	"A"±.210	.198[5.03]

F:\DWG\MISC\MKTG\TSW-XXX-XX-XXX-X-XX-XXX-MKT.SLDDRW

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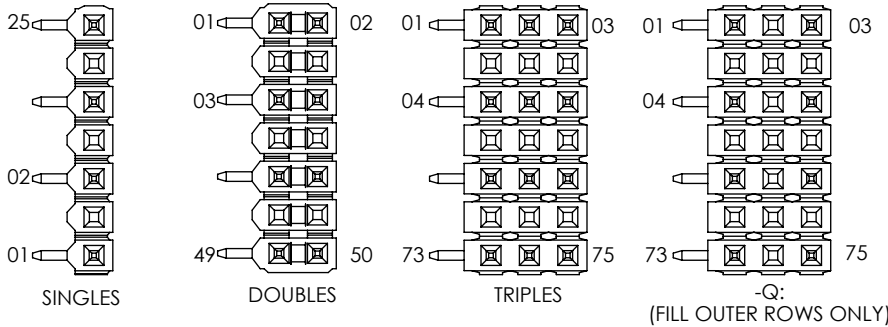
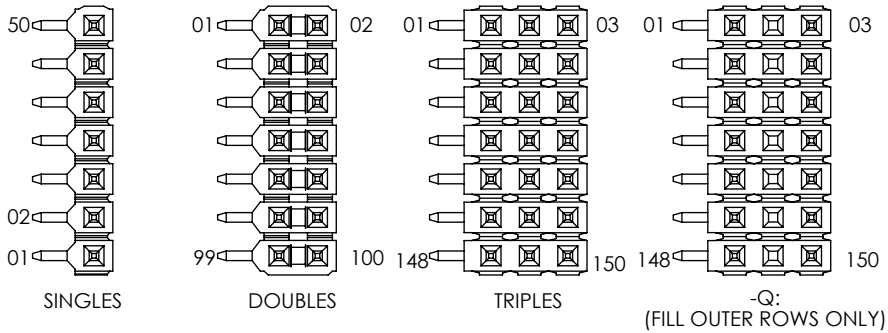


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BY: KOLB 08/24/1988 SHEET 2 OF 6

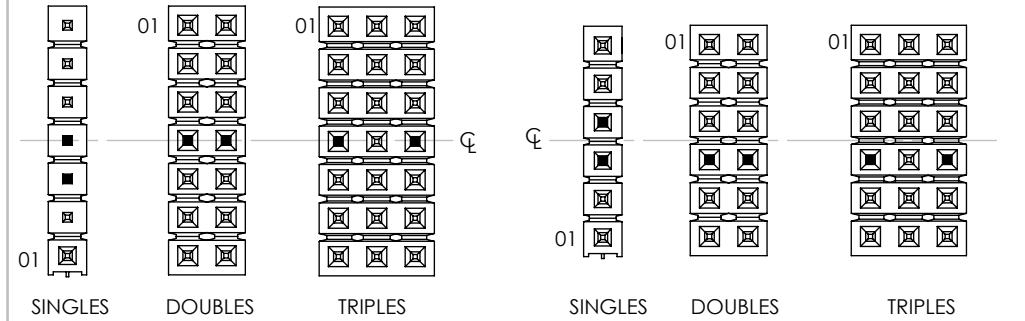
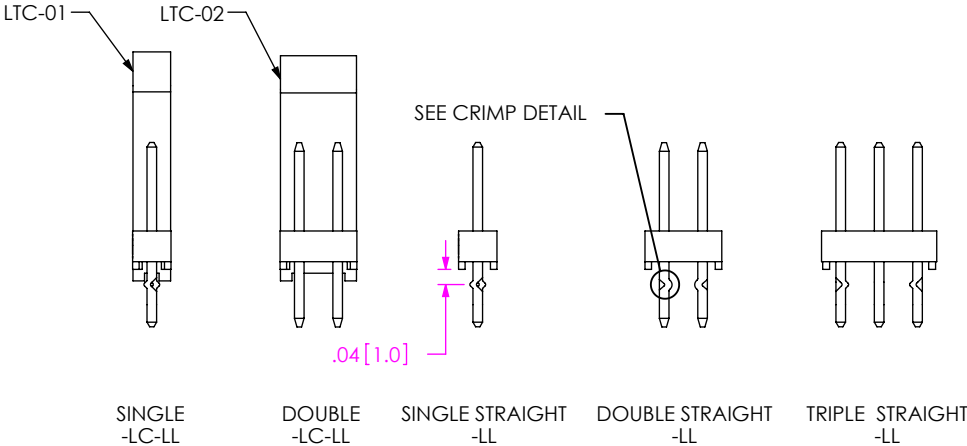
FIG 3

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

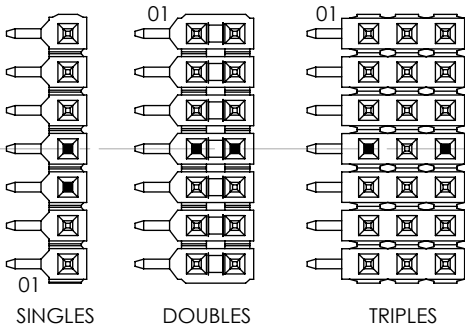


-2: .200[5.08] TERMINAL SPACING

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



STRAIGHT VERSION
ODD POSITIONS



RIGHT ANGLE VERSION
ODD POSITIONS

STRAIGHT VERSION
EVEN POSITIONS

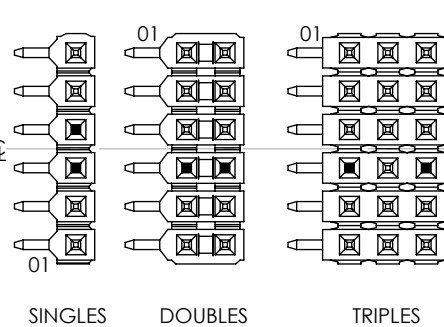


FIG 5
(RIGHT ANGLE)
(-LA OPTION IS SHOWN ON ALL RIGHT ANGLES
FOR DIMENSIONAL AND LOCATION PURPOSES.)
(SEE CRIMP DETAIL VIEW, SHT 3)
(SAME AS FIG 1, DIFFERENT AS SHOWN)

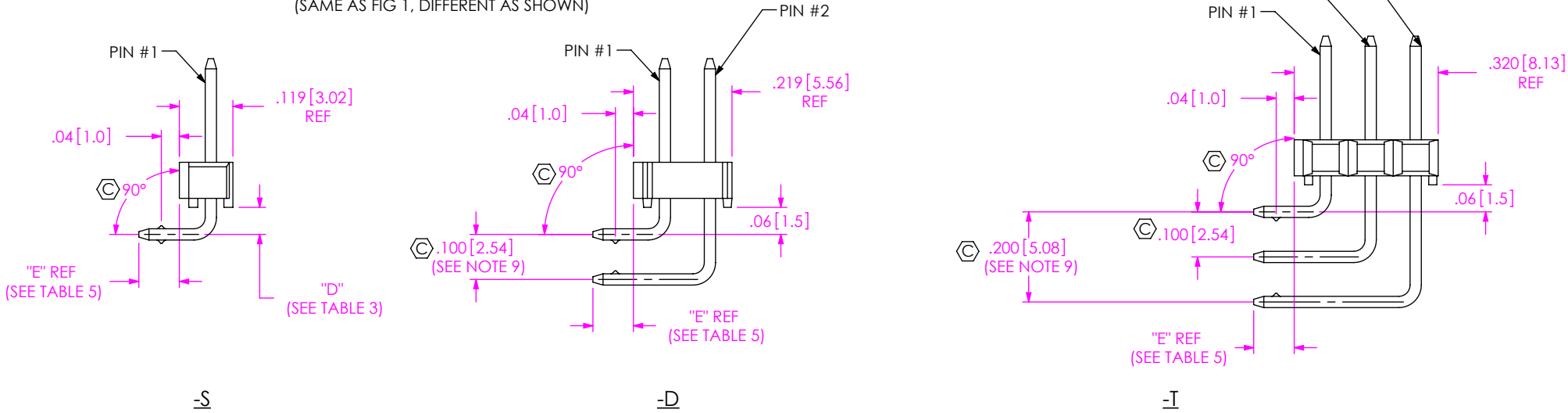


TABLE 3	
-XX	"D"
-RA/-NA	.06[1.5]
-RE/-NE	.16[4.1]

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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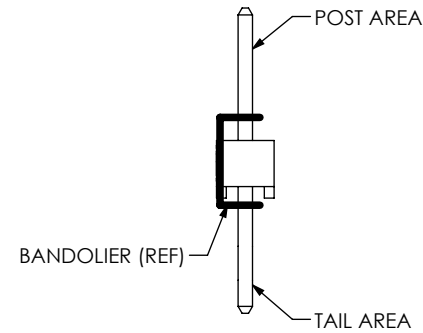
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.025[0.64] SQ. POST TERMINAL STRIP ASSEMBLY
DWG. NO.
TSW-XXX-XX-XXX-X-XX-XXX
BY: KOLB 08/24/1988 SHEET 4 OF 6

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	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

* 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

- (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

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

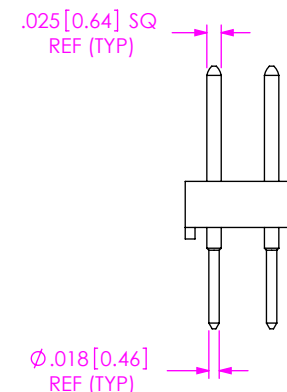


FIG 6
 (-26 LEAD STYLE)
 (SAME AS FIG. 1, DIFFERENT AS SHOWN)

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

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