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

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'± .005[0.13]/.008[0.20] 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]

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

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

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

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

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"A" +.015 [0.38] / -.010 [0.25]
(SEE CALLOUT)

-1XX=.100[2.54]
-2XX=.200[5.08]

2° MAX SWAY
(EITHER DIRECTION)

"C"±.008[0.20]
(SEE TABLE 1, SHT 6)
(SEE NOTE 3 AND 6)

.100[2.54]
REF

"L"
(SEE TABLE 4, SHT 5)

2° MAX SWAY
(EITHER DIRECTION)

SEE NOTE 5

2° MAX SWAY
(EITHER DIRECTION)

2° MAX SWAY
(EITHER DIRECTION)

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

-S

.100[2.54]

2° MAX SWAY
(EITHER DIRECTION)

.100[2.54]
REF

.200[5.08]
REF

-D

.100[2.54]

.200[5.08]

.300[7.62]
REF

-T

.200[5.08]

.300[7.62]
REF

-Q

.596[15.15]
REF

"G" REF

"F"

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]

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

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

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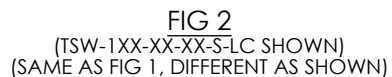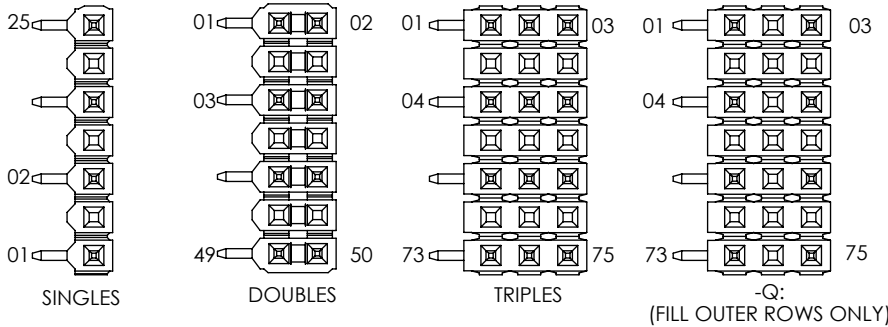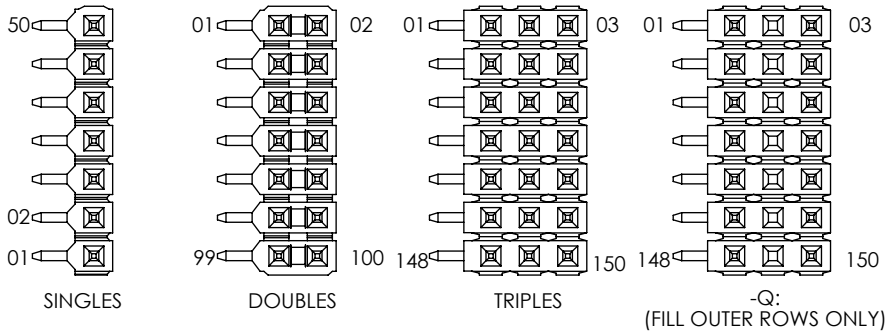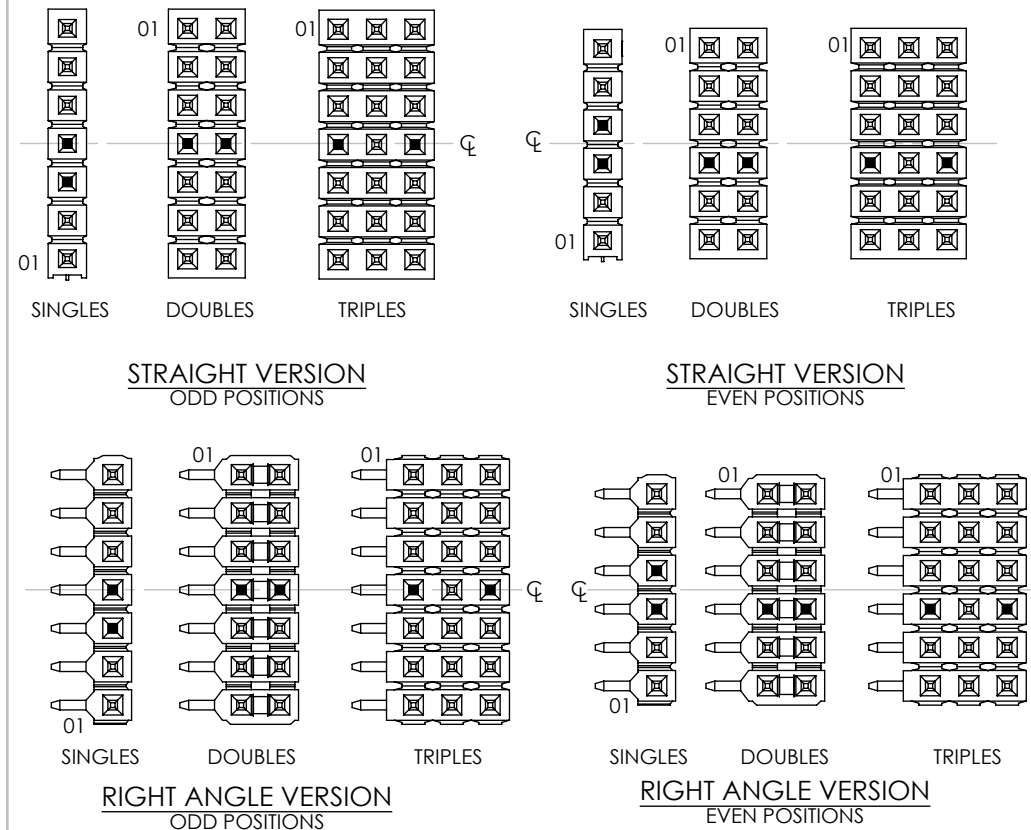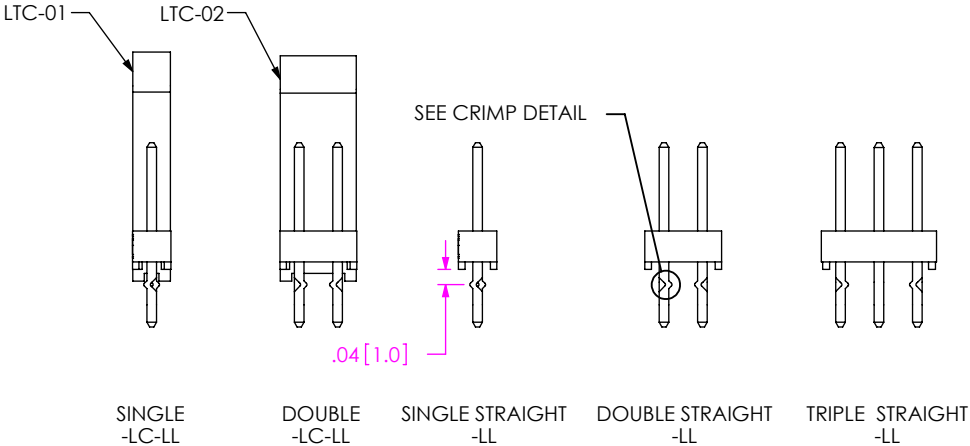
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TSW-XXX-XX-XXX-X-XX-XXX

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FIG 3
-1: .100[2.54] TERMINAL SPACING
(SAME AS FIG 1, DIFFERENT AS SHOWN)

50
02
01
SINGLES

01   02
99   100
DOUBLES

01   03
148   150
TRIPLES

01   03
148   150
-Q:
(FILL OUTER ROWS ONLY)

25
02
01
SINGLES

01   02
03   04
49   50
DOUBLES

01   03
04
73   75
TRIPLES

01   03
04
73   75
-Q:
(FILL OUTER ROWS ONLY)

-2: .200[5.08] TERMINAL SPACING

SINGLES   DOUBLES   TRIPLES
STRAIGHT VERSION
ODD POSITIONS

01
01
SINGLES   DOUBLES   TRIPLES
STRAIGHT VERSION
EVEN POSITIONS

01
01
SINGLES   DOUBLES   TRIPLES
RIGHT ANGLE VERSION
ODD POSITIONS

01
01
SINGLES   DOUBLES   TRIPLES
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.

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

LTC-01   LTC-02

SEE CRIMP DETAIL

.04 [1.0]

SINGLE
-LC-LL

DOUBLE
-LC-LL

SINGLE STRAIGHT
-LL

DOUBLE STRAIGHT
-LL

TRIPLE STRAIGHT
-LL

DJ
.017 [0.43]
MIN

.008 [0.20]
(TYP)

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

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DO NOT SCALE DRAWING

SHEET SCALE: 2:1

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REVISION DJ

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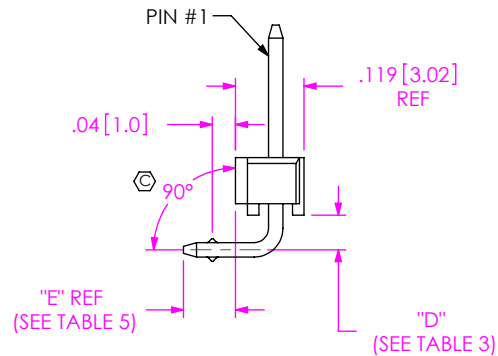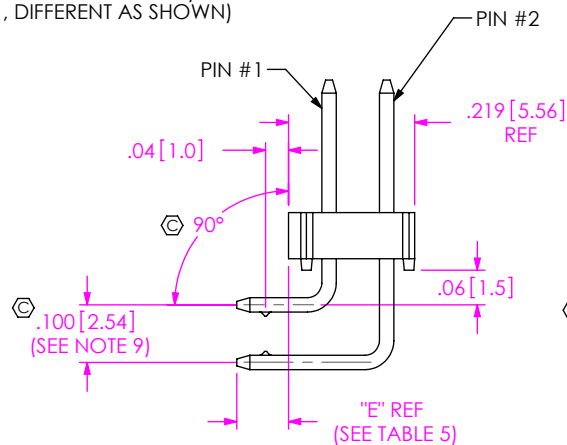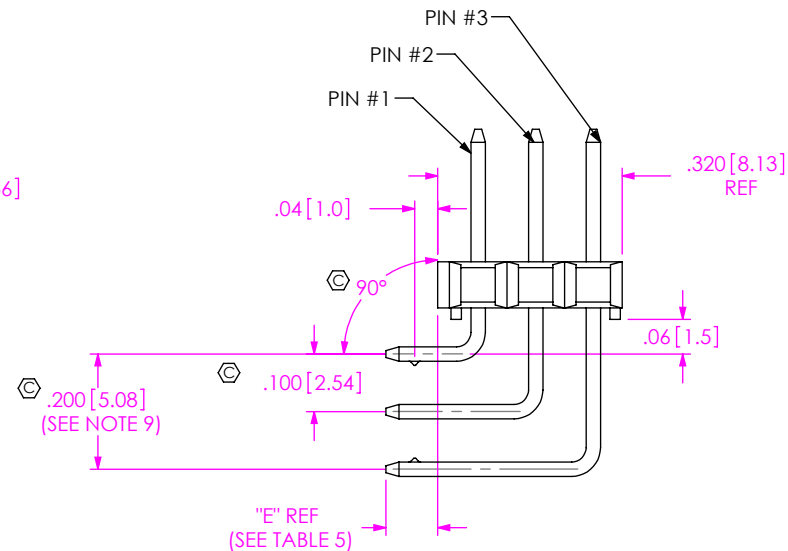(SAME AS FIG 1, DIFFERENT AS SHOWN)

-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

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

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SHEET SCALE: 3:1

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TABLE 7 (-T PLATING ONLY)

LEAD STYLE	NUMBER OF BAND MARKS ALLOWED IN POST AREA			LEAD STYLE	NUMBER OF BAND MARKS ALLOWED IN POST AREA		
	PIN #1	PIN #2	PIN #3		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

POST AREA

BANDOLIER (REF)

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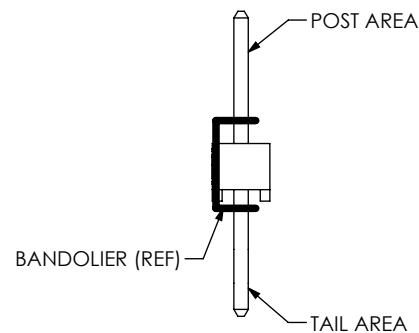
IN PROCESS 1
(SAME AS FIG. 1, DIFFERENT AS SHOWN)
-T PLATING ONLY
(SEE NOTE 11)
(SEE TABLE 7)

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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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]	

.025[0.64] SQ REF (TYP)

Ø.018[0.46] REF (TYP)

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

(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]$\pm^{.005[0.13]}_{.008[0.20]}$
(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)

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

DESCRIPTION:
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TSW-117-08-F-D-LC TSW-141-08-L-D-RA TSW-142-08-L-D-RA TSW-127-18-G-S