

DO NOT  
SCALE FROM  
THIS PRINT

- NOTES:
1. MIN CONTACT PUSHOUT: 1.5 LBS
  2. FOR A 1 POSITION SINGLE ROW  
ALL SPACERS ARE TO BE TSW-XX-S
  3. SPACERS SHALL BE ASSEMBLED AS SHOWN  
WITH SNAP GROOVES AWAY FROM SSW BODY.
  4. MAX ALLOWABLE BOW .003 INCH/INCH AFTER ASSMBLY
  5. DO NOT USE DSB SPACER BODY FOR THIS OPTION.
  6. MAX CUT FLASH : .010

CONTACT STYLE  
SQUARE TAIL: USE C-15-X-X  
LOW INSERTION FORCE: C-60-X-X  
(SEE TABLE 1, SHT 2)

NO. OF POSITIONS  
POSITIONS 01 THRU 36  
(SEE FIG1)  
FOR A ONE POSITION  
SINGLE ROW SEE NOTE 2

LEAD STYLE  
(SEE TABLE 1, SHT 2)

PLATING SPECIFICATION

-G: 20μ" GOLD IN CONTACT AREA, 3μ" GOLD TAIL  
-T: MATTE TIN CONTACT AND TAIL  
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL  
-H: 30μ" HEAVY GOLD IN CONTACT AREA, 3μ" GOLD TAIL  
-L: 10μ" SELECTIVE LIGHT GOLD IN CONTACT AREA, MATTE TIN TAIL

ESQ-1XX-XX-X-X-XXX-XX-X-XX

\*SEE NOTE 6

METAL WASHER OPTION  
#\* -H-MW: (SEE FIG 3, SHT 2)  
(N/A ON TRIPLE ROW)  
(.300 [7.62] MAX TAIL)  
(AVAILABLE ON POS  
-02 THRU -32 ONLY)

LOCKING LEAD OPTION  
-LL (SEE FIG 2, SHT 2)  
[N/A ON 1 OR 2 POSITION  
SINGLE ROW]

POLARIZATION OPTION  
INDICATES POSITION (SEE FIG 4, SHT 2)

ROW SPECIFICATION (SEE TABLE 1, SHT 2)  
-S: SINGLE (USE SSW-50-S)  
-D: DOUBLE (USE SSW-50-D)  
-T: TRIPLE (USE SSW-50-T)

#-MW OPTION, DO NOT DESIGN IN. SAMTEC WILL  
ONLY SUPPORT EXISTING BUSINESS 2/12/02

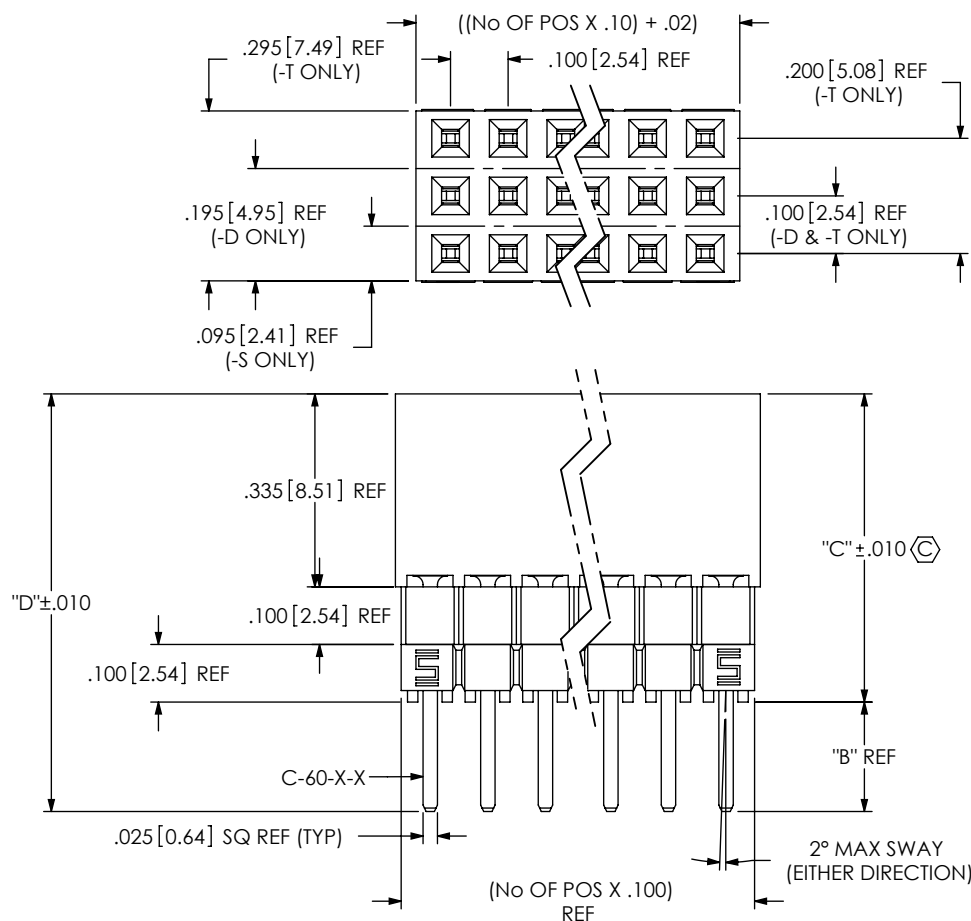
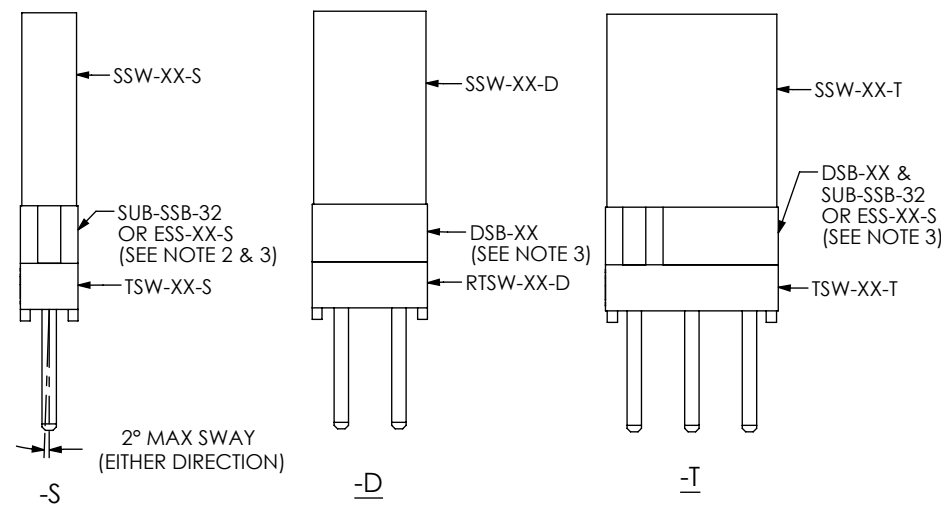


FIG 1  
ESQ-110-XX-X-T

F:\DWG\MISC\MKTG\ESQ-1XX-XX-X-X-XXX-XX-X-XX-MKT.SLDDRW



UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.XX: ±.01 2°  
.XXX: ±.005  
.XXXX: ±.0020

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MATERIAL: DO NOT SCALE DRAWING  
INSULATOR: LCP, UL 94 V0  
COLOR: BLACK  
CONTACT : PHOS BRONZE

SHEET SCALE: 3:1

**samtec**

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

DESCRIPTION:

ESQ STRIP ASM

DWG. NO.

ESQ-1XX-XX-X-X-XXX-XX-X-XX

BY: JORDAN

7-16-85

SHEET 1 OF 4

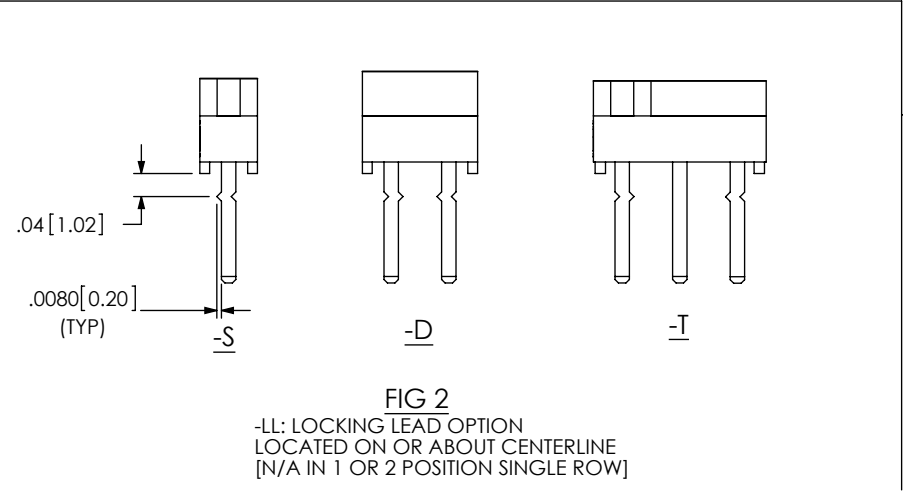
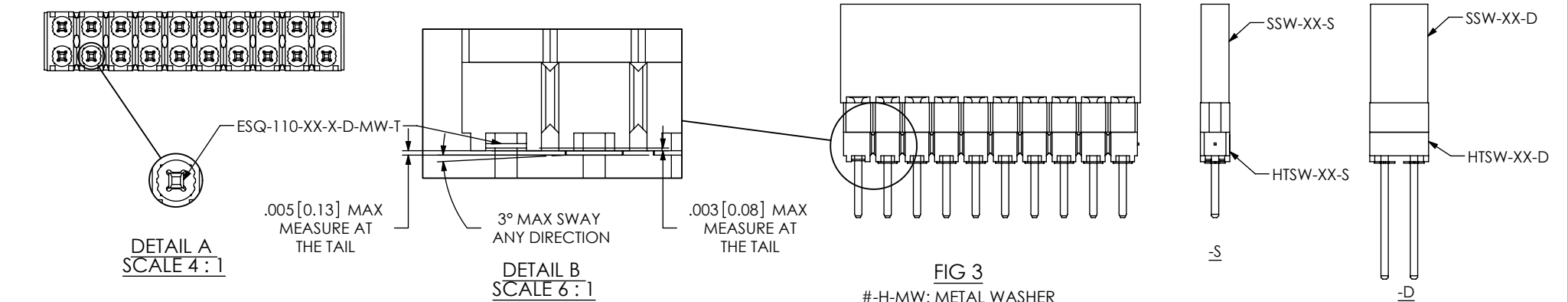


FIG 3  
#-H-MW: METAL WASHER  
ESQ-110-XX-X-X-MWT  
(ONE PER POSITION)  
(-S & -D BODY SPECS ONLY)  
(SEE NOTE 5)  
(SAME AS FIG 1 UNLESS OTHERWISE NOTED)

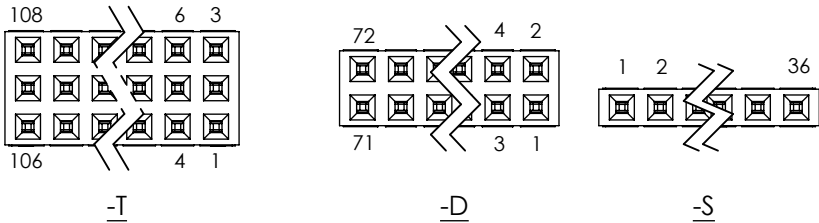


FIG 4  
XXX: POLARIZATION LOCATION  
INSERT PK-06-N INTO SPECIFIED POS  
AND BREAK OFF TAB

| TABLE 1                        |          |                                                                |            |                           |           |             |             |            |
|--------------------------------|----------|----------------------------------------------------------------|------------|---------------------------|-----------|-------------|-------------|------------|
| STANDARD<br>INSERTION<br>FORCE | CONTACT  | SPACER SPECIFICATION<br>(FOR A ONE POSITION SINGLE SEE NOTE 3) |            |                           | "B"       | "C"         | "D"         | "E"        |
|                                |          | ESQ-S                                                          | ESQ-D      | ESQ-T                     |           |             |             |            |
| -12                            | C-15-2-X | N/A                                                            | N/A        | N/A                       | .09[2.29] | .435[11.05] | .525[13.33] | .100[2.54] |
| -13                            | C-15-3-X | N/A                                                            | N/A        | N/A                       | .29[7.37] | .435[11.05] | .725[18.41] | N/A        |
| -14                            | C-15-4-X | N/A                                                            | N/A        | N/A                       | .48[12.2] | .435[11.05] | .915[23.24] | N/A        |
| -23                            | C-15-3-X | (1) SUB-SSB-32                                                 | (1) DSB-XX | (1) SUB-SSB-32 (1) DSB-XX | .19[4.83] | .535[13.59] | .725[18.41] | N/A        |
| -24                            | C-15-4-X | (1) SUB-SSB-32                                                 | (1) DSB-XX | (1) SUB-SSB-32 (1) DSB-XX | .38[9.65] | .535[13.59] | .915[23.24] | N/A        |
| -33                            | C-15-3-X | (2) SUB-SSB-32                                                 | (2) DSB-XX | (2) SUB-SSB-32 (2) DSB-XX | .09[2.87] | .635[16.13] | .725[18.41] | N/A        |
| -34                            | C-15-4-X | (2) SUB-SSB-32                                                 | (2) DSB-XX | (2) SUB-SSB-32 (2) DSB-XX | .28[7.11] | .635[16.13] | .915[23.24] | N/A        |
| -44                            | C-15-4-X | (1) ESS-XX-S                                                   | (3) DSB-XX | (1) ESS-XX-S (3) DSB-XX   | .18[4.57] | .735[18.67] | .915[23.24] | N/A        |
| LOW<br>INSERTION<br>FORCE      | CONTACT  | SPACER SPECIFICATION<br>(FOR A ONE POSITION SINGLE SEE NOTE 3) |            |                           | "B"       | "C"         | "D"         | "E"        |
|                                |          | ESQ-S                                                          | ESQ-D      | ESQ-T                     |           |             |             |            |
| -37                            | C-60-2-X | N/A                                                            | N/A        | N/A                       | .09[2.87] | .435[11.05] | .525[13.33] | .100       |
| -38                            | C-60-3-X | N/A                                                            | N/A        | N/A                       | .29[7.37] | .435[11.05] | .725[18.41] | N/A        |
| -39                            | C-60-4-X | N/A                                                            | N/A        | N/A                       | .48[12.2] | .435[11.05] | .915[23.24] | N/A        |
| -48                            | C-60-3-X | SUB-SSB-32                                                     | (1) DSB-XX | (1) SUB-SSB-32 (1) DSB-XX | .19[4.83] | .535[13.59] | .725[18.41] | N/A        |
| -49                            | C-60-4-X | (1) SUB-SSB-32                                                 | (1) DSB-XX | (1) SUB-SSB-32 (1) DSB-XX | .38[9.65] | .535[13.59] | .915[23.24] | N/A        |
| -58                            | C-60-3-X | (2) SUB-SSB-32                                                 | (2) DSB-XX | (2) SUB-SSB-32 (2) DSB-XX | .09[2.87] | .635[16.13] | .725[18.41] | N/A        |
| -59                            | C-60-4-X | (2) SUB-SSB-32                                                 | (2) DSB-XX | (2) SUB-SSB-32 (2) DSB-XX | .28[7.11] | .635[16.13] | .915[23.24] | N/A        |
| -69                            | C-60-4-X | (1) ESS-XX-S                                                   | (3) DSB-XX | (1) ESS-XX-S (3) DSB-XX   | .18[4.57] | .735[18.67] | .915[23.24] | N/A        |

F:\DWG\MISC\MKTG\ESQ-1XX-XX-X-XXX-XX-X-MKT.SLDDRW

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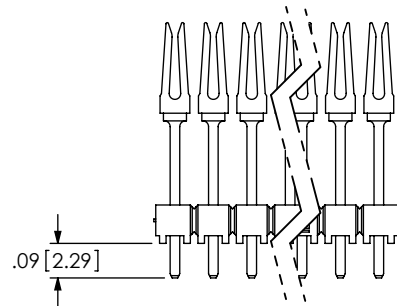
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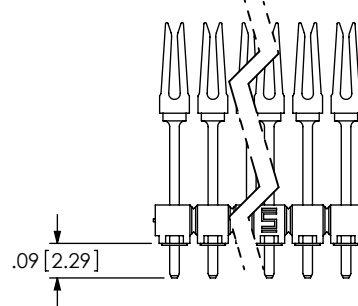
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LOAD CONTACT

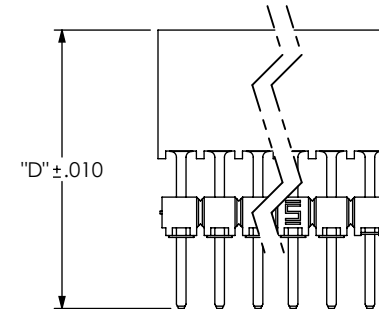


PRESS ON -MW

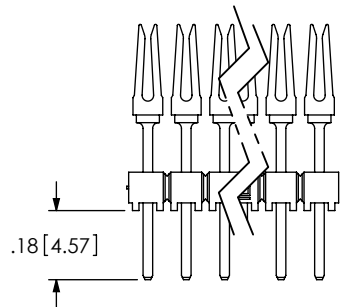


IN PROCESS  
-12, -33, -37, -58

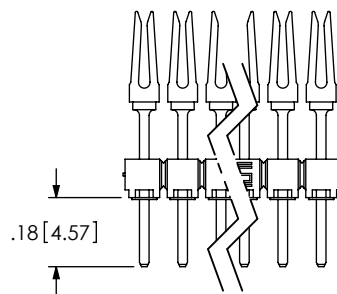
PRESS ON  
SSW BODY



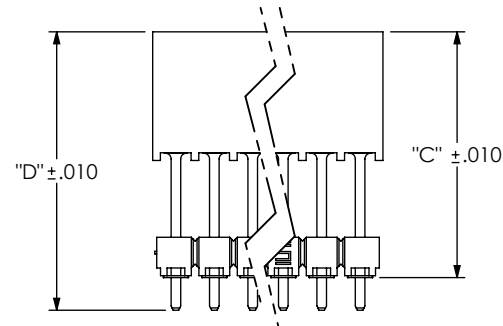
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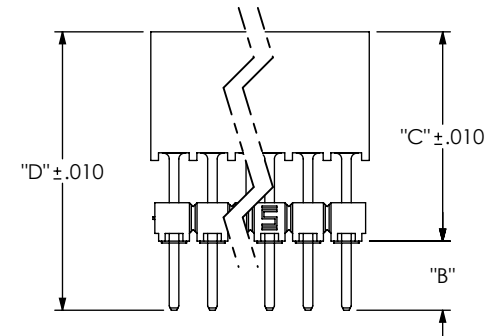
PRESS ON -MW



PRESS ON  
SSW BODY



REPRESS STACKER BODY  
AND -MW TO PROPER "C" DIM



IN PROCESS  
-13, -14, -23, -24, -34, -38  
-39, -44, -48, -49, -59, -69

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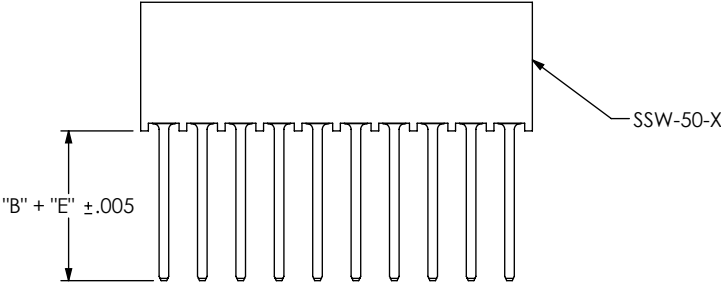
ESQ STRIP ASM

DWG. NO.

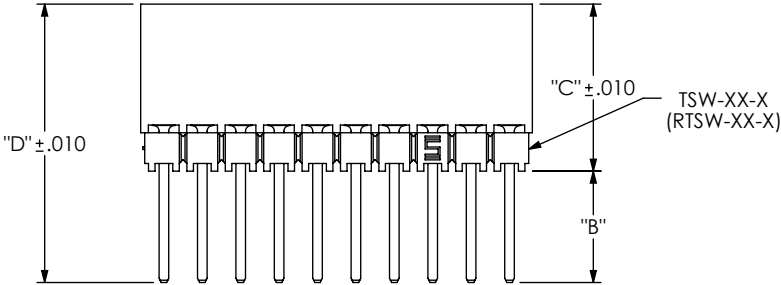
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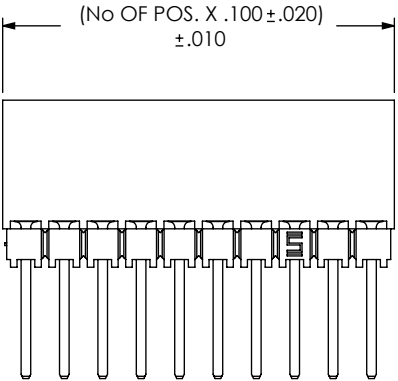
SHEET 3 OF 4



STEP 1  
MACHINE FILL SSW-50-X



STEP 2  
MULTI-CUT TSW-50-X TO POS (RTSW-50-D FOR DOUBLE ROW)  
AND MOUNT AS SHOWN.  
(IF RTSW-50-D NOT AVAILABLE, TSW-50-D MAY BE USED)



STEP 3  
ROTO CUT TO POS

FIG 5  
ESQ-TT0-XX-X-S  
IN PROCESS "B"  
(LEAD STYLE -12 & -37)  
(-S & -D ONLY)

| TABLE 2                                                              |     |               |          |
|----------------------------------------------------------------------|-----|---------------|----------|
| LEAD STYLE                                                           | ROW | TUBE          | PLUG (2) |
| -12, -37                                                             | -S  | PT-1-24-01-46 | TP-24    |
| -13, -14, -23, -24, -33, -34, -44, -38, -39, -48, -49, -58, -59, -69 |     | PT-1-24-01-47 | TP-24    |
| -12, -37                                                             | -D  | PT-1-24-03-44 | TP-07    |
| -14, -24, -34, -44, -39, -49, -59, -69                               |     | PT-1-24-02-47 | TP-07    |
| -13, -23, -33, -38, -48, -58                                         |     | PT-1-24-01-51 | TP-13    |
| -12, -37                                                             | -T  | PT-1-24-01-51 | TP-13    |
| -13, -14, -23, -24, -33, -34, -44, -38, -39, -48, -49, -58, -59, -69 |     | PT-1-24-03-51 | TP-13    |

1. FOR -12 & -37 LEAD STYLES TUBE PAC KAGE -04 THRU -36 POSITION ONLY.
2. FOR -13, -23, -33, -38, -48, & -58 LEAD STYLES TUBE PACKAGE -08 THRU -36 POSITIONS ONLY.
3. FOR -14, -24, -34, -44, -39, -49, -59, & -69 LEAD STYLES -05 THRU -36 POSITIONS ONLY.

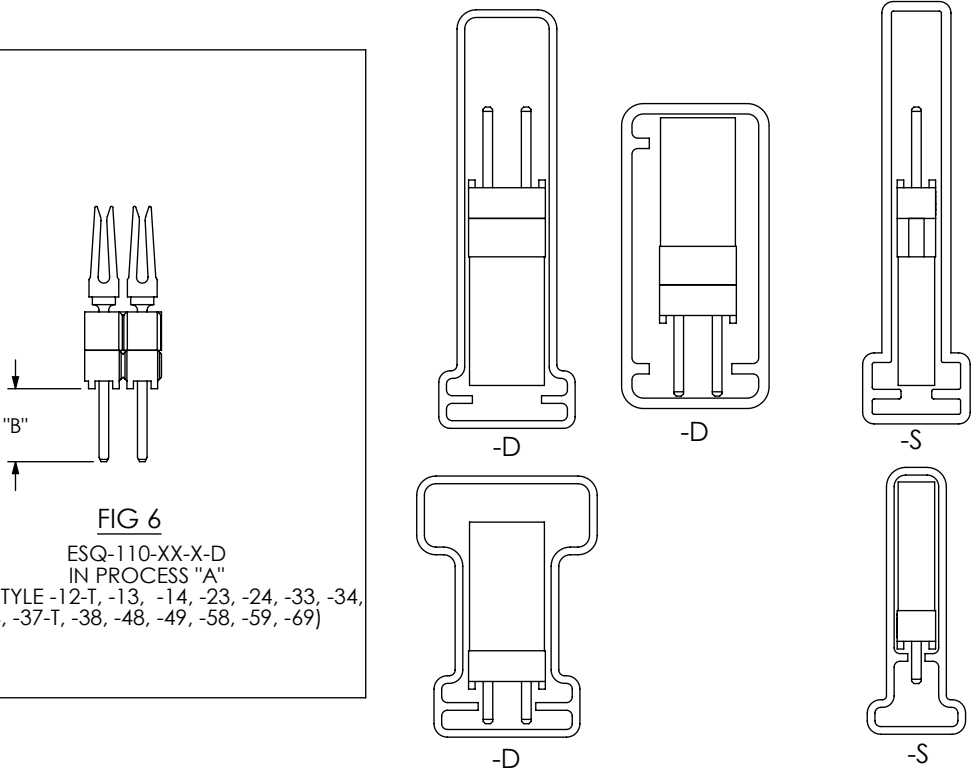


FIG 6  
ESQ-110-XX-X-D  
IN PROCESS "A"  
(LEAD STYLE -12-T, -13, -14, -23, -24, -33, -34, -44, -37-T, -38, -48, -49, -58, -59, -69)

|                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                       |              |
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|                                                                                                                                                                                                                                                                                                                                                                             |  | DESCRIPTION:<br>ESQ STRIP ASM                                                                                                                                                                                         |              |
|                                                                                                                                                                                                                                                                                                                                                                             |  | DWG. NO.<br>ESQ-1XX-XX-X-X-XXX-XX-X-XX                                                                                                                                                                                |              |
|                                                                                                                                                                                                                                                                                                                                                                             |  | BY: WHITTAKER 9-11-98                                                                                                                                                                                                 | SHEET 4 OF 4 |