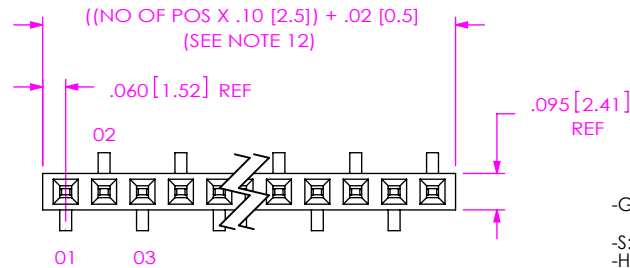
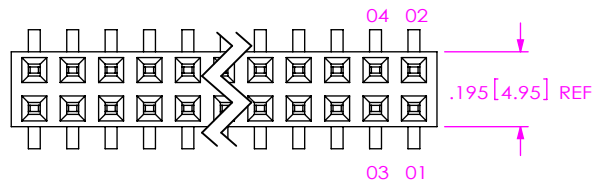




# THE DATASHEET OF SSW-111-22-L-D-VS

DO NOT  
SCALE FROM  
THIS PRINT

SSW-1XX-22-XXX-X-VS-XX-X-XX

-S: SINGLE ROW-D: DOUBLE ROWFIG 1  
-VS: VERTICAL SURFACE MOUNTNO. OF POSITIONS  
-02 THRU -50LEAD STYLE  
-22 (USE C-17-02-X)PLATING SPECIFICATIONS

- G: GOLD,  $20\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT,  $3\mu''$  Au /  $50\mu''$  Ni MIN ON TAIL
- S: SELECTIVE,  $30\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT, MATTE TIN TAIL
- H: HEAVY GOLD  $30\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT,  $3\mu''$  Au /  $50\mu''$  Ni MIN ON TAIL
- F: FLASH SELECTIVE,  $3\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT, MATTE TIN TAIL
- STL: SELECTIVE,  $30\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT AREA, TIN / LEAD (90/10 +/-5%) TAIL
- SM: SELECTIVE,  $30\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT, MATTE TIN TAIL
- FM: FLASH SELECTIVE,  $3\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT, MATTE TIN TAIL (-VS OPTION ONLY)
- L: LIGHT SELECTIVE,  $10\mu''$  Au /  $50\mu''$  Ni MIN ON CONTACT AREA, MATTE TIN TAIL

BODY SPECIFICATION

- S: SINGLE (USE SSW-XX-S, SEE FIG 1)
- D: DOUBLE (USE SSW-XX-D, SEE FIG 1)

OPTION

-TR: TAPE & REEL  
(AVAILABLE FOR POSITIONS -02 THRU -28, -VS OPTION ONLY)

OPTION

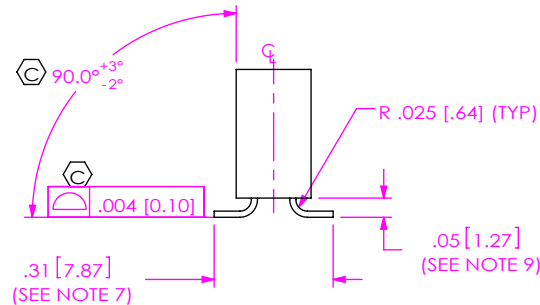
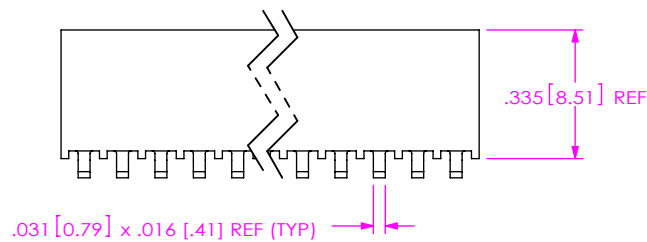
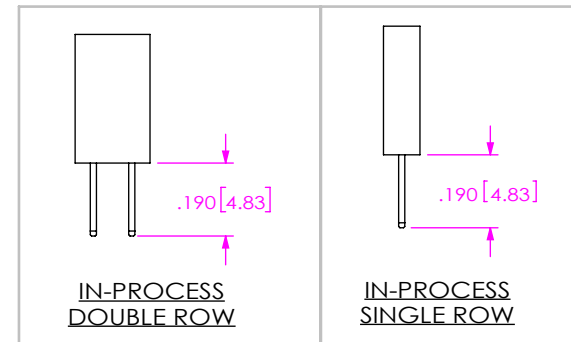
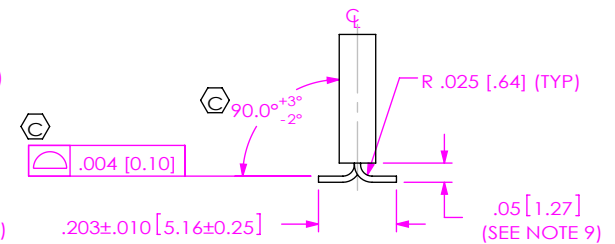
- P: PICK AND PLACE (5 POS MIN) (SEE FIG 5, SHT 3) (USE LMP-02 FOR -D OPTION) (USE PPP-12 FOR -S OPTION)
- K: PAD (3 POS MIN) (SEE FIG 6, SHT 3)
- N: NOTCH (SEE FIG 7, SHT 4, POSITIONS 05, 07, 08, 10, 12, 13, 15, 17, 20, 25, 32, 36 ONLY) (ONLY AVAILABLE IN -D ROW, -VS OPTION) (USE NSW-XX-D-N-XX BODY, SEE TABLE 2) (NOT AVAILABLE WITH THE -P OPTION)

POLARIZING OPTION

INDICATE POS (SEE FIG 4, SHT 2)  
(NOT AVAILABLE FOR ALL POSITIONS ON SINGLE ROW WITH (-P) OPTION) (SEE FIG 8, SHT 2)

OPTION

-VS: VERTICAL SURFACE MOUNT (SEE FIG 1)

-D: DOUBLE ROW-S: SINGLE ROW

## NOTES:

1.  $\odot$  REPRESENTS A CONTROL PLAN CRITICAL DIMENSION.
2. MAXIMUM CUT FLASH:  $.015\ [.38]$  WITH NO FLASH BELOW STANDOFFS OR IN CONTACT HOLES.
3. MAXIMUM ALLOWABLE BOW:  $.003\ [.08]$  INCH/INCH.
4. MAXIMUM ALLOWABLE SWAY:  $2^{\circ}$  EITHER DIRECTION.
5. MAXIMUM ALLOWABLE VARIATION BETWEEN ROWS:  $.010\ [.25]$ .
6. "END WALLS" AFTER CUTTING SHOULD BE  $.020 \pm .003\ [.51 \pm .08]$ .
7. SHEAR TAILS TO DIMENSION SHOWN, BURR ALLOWED ON TOP SIDE (MOLD SIDE) TO  $.005\ [.13]$  MAX
8. POSITIONS -05 THROUGH -50 TO BE PACKAGED INTUBES;  
POSITIONS -02 THROUGH -04 TO BE LAYER PACKAGED.
9. MEASURED AT BEND RADIUS, NOT AT END OF PIN.
10. MINIMUM CONTACT PUSHOUT FORCE: 1.5 lbs.
11. POLARIZED CORNER OF PPP-12 IS TO BE ORIENTED TOWARD POSITION 1.
12. SINGLE ROW SURFACE MOUNT PARTS: FOR ODD POSITIONS, LOSE ONE POSITION PER CUT, FOR EVEN POSITIONS, LOSE TWO POSITIONS PER CUT.

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
XX:  $\pm .01\ [0.3]$   $2^{\circ}$   
XXX:  $\pm .005\ [0.13]$   
XXXX:  $\pm .0020\ [0.051]$

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1  
INSULATOR: SINGLE & DOUBLE ROW: LCP, UL 94 VO  
TRIPLE ROW: PCT, UL 94 VO  
COLOR: BLACK

TERMINAL: PHOSPHOR BRONZE

F:\DWG\MISC\MKTG\SSW-1XX-22-XXX-X-VS-XX-X-XX-MKT.SLDDRW

**samtec**

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

DESIGNER:

.100 [2.54] SURFACE MOUNT ASSEMBLY

DWG. NO.

SSW-1XX-22-XXX-X-VS-XX-X-XX

BY: PLUMMER 01/20/97

SHEET 1 OF 4

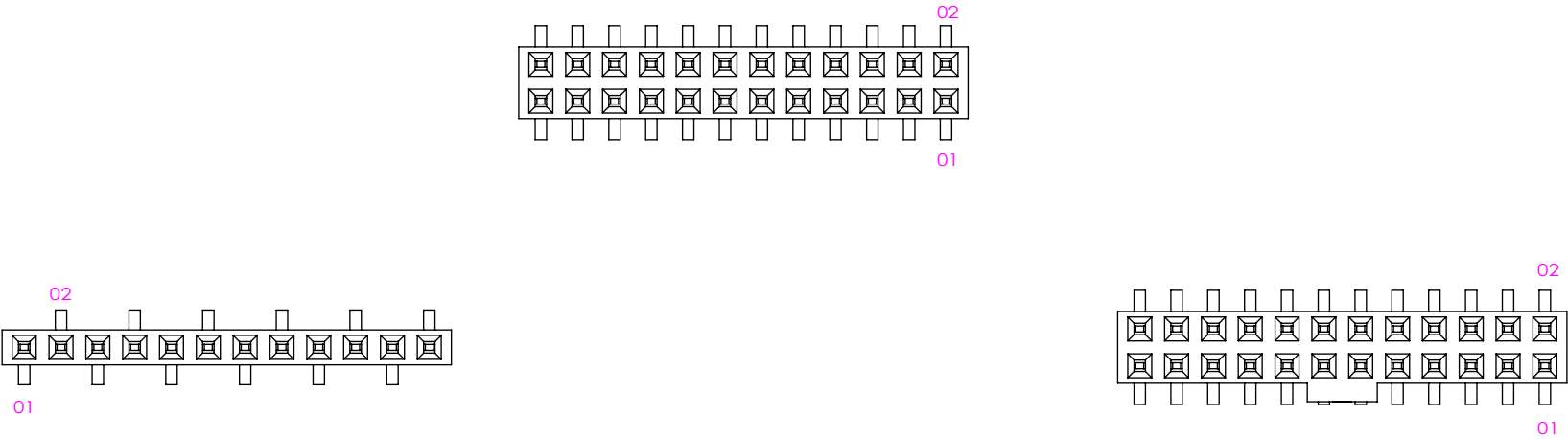


FIG 4  
POLARIZATION LOCATION  
INSERT PK-15-N INTO SPECIFIED POS AND BREAK OFF TAB

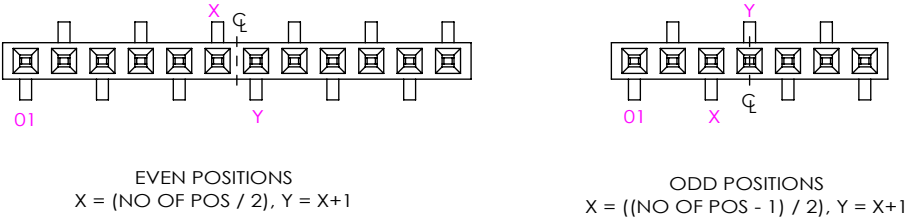
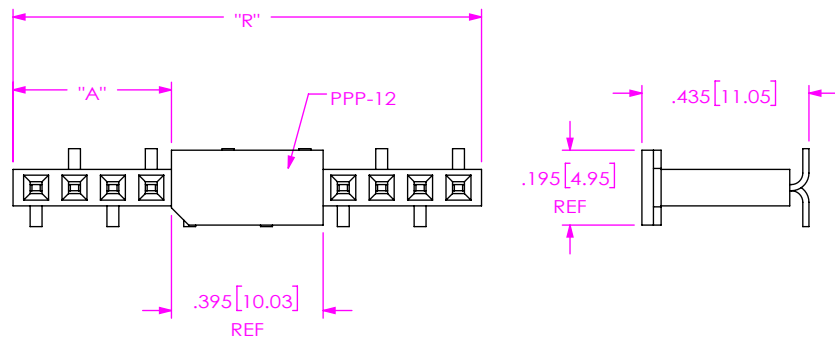


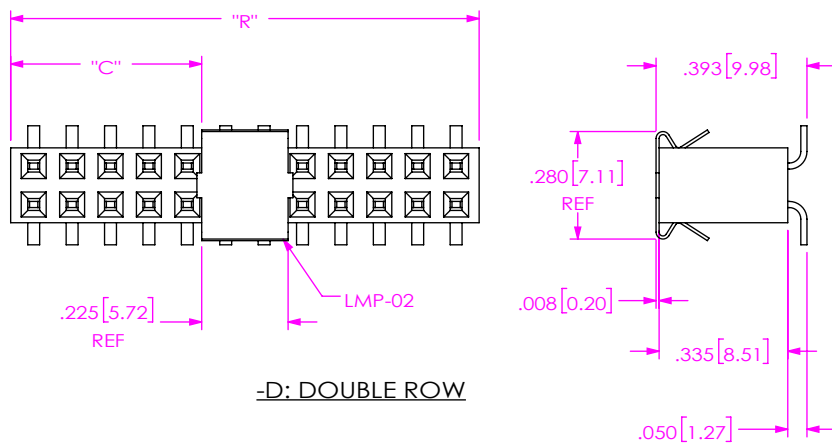
FIG 8  
(POLARIZATION NOT AVAILABLE IN POSITION X & Y WITH -P OPTION)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                       |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
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| DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | DESCRIPTION:<br>.100 [2.54] SURFACE MOUNT ASSEMBLY                                                                                                                                                                    |              |
| SHEET SCALE: 2:1                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | DWG. NO.<br>SSW-1XX-22-XXX-X-VS-XX-X-XX                                                                                                                                                                               |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | BY: PLUMMER 01/20/97                                                                                                                                                                                                  | SHEET 2 OF 4 |



-S: SINGLE ROW  
(SEE NOTE 11)

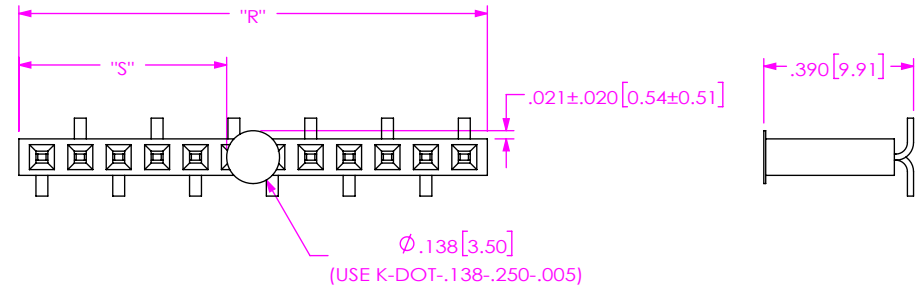
FOR ODD: "A" = ("R"/2) -.2475 [6.287] ± .020 [.51]  
FOR EVEN: "A" = ("R"/2) -.1975 [5.027] ± .020 [.51]



-D: DOUBLE ROW

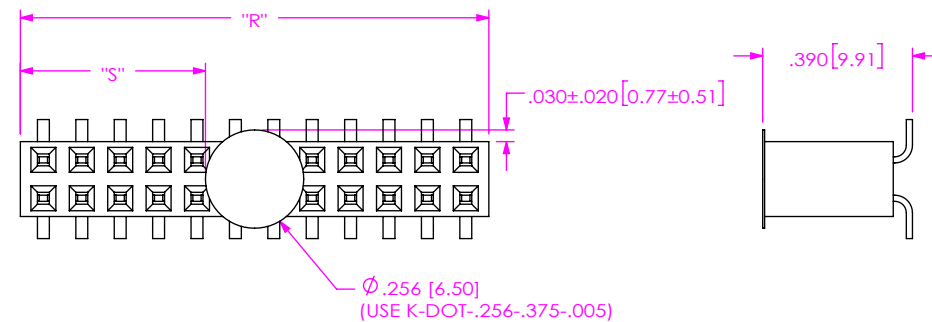
"C" = ("R"/2) -.1125 [2.858] ± .020 [.51]

FIG. 5  
-P: PICK & PLACE PAD OPTION



-S: SINGLE ROW

NOTE: "R" = USED MEASURED DIMENSION (REF)  
"S" = {"R" / 2 - .069 [1.75]} ± .020 [.51]

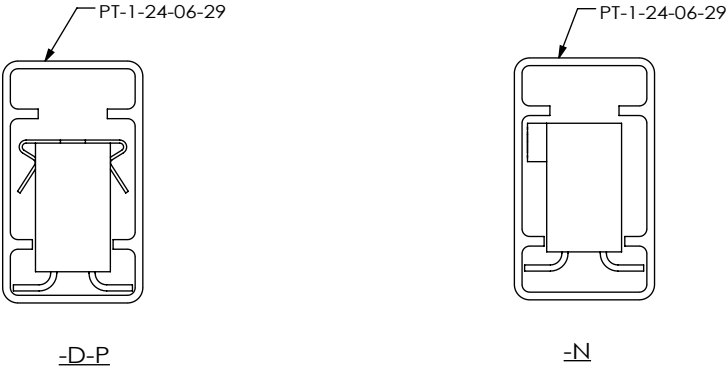
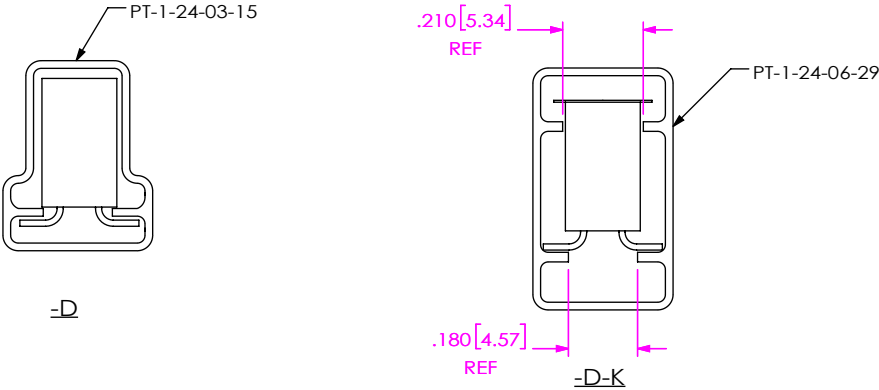
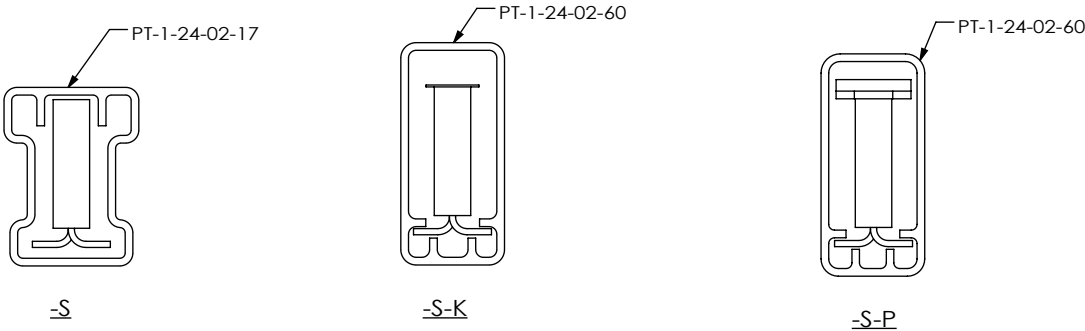


-D: DOUBLE ROW

NOTE: "R" = USED MEASURED DIMENSION (REF)  
"S" = {"R" / 2 - .128 [3.25]} ± .020 [.51]

FIG. 6  
-K: PAD OPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
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| SHEET SCALE: 2:1                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | DWG. NO. SSW-1XX-22-XXX-X-VS-XX-X-XX                                                                                                                                                                                 |  |
| BY: PLUMMER 01/20/97                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | SHEET 3 OF 4                                                                                                                                                                                                         |  |



PACKAGING VIEWS

| TABLE 1<br>(SEE NOTE 8) |               |       |
|-------------------------|---------------|-------|
| ROW                     | TUBE          | PLUG  |
| -S                      | PT-1-24-02-17 | TP-09 |
| -D                      | PT-1-24-03-15 | TP-03 |
| -D-P                    | PT-1-24-06-29 | TP-03 |
| -S-P                    | PT-1-24-02-60 | TP-03 |
| -D-K                    | PT-1-24-06-29 | TP-03 |
| -S-K                    | PT-1-24-02-60 | TP-03 |
| -N                      | PT-1-24-06-29 | TP-03 |

| TABLE 2     |               |
|-------------|---------------|
| POS PER ROW | NSW-XX-D-N-XX |
| 5           | NSW-47-D-N-05 |
| 7           | NSW-47-D-N-07 |
| 8           | NSW-44-D-N-08 |
| 10          | NSW-43-D-N-10 |
| 12          | NSW-38-D-N-12 |
| 13          | NSW-41-D-N-13 |
| 15          | NSW-47-D-N-15 |
| 17          | NSW-35-D-N-17 |
| 20          | NSW-20-D-N    |
| 25          | NSW-25-D-N    |
| 32          | NSW-32-D-N    |
| 36          | NSW-36-D-N    |

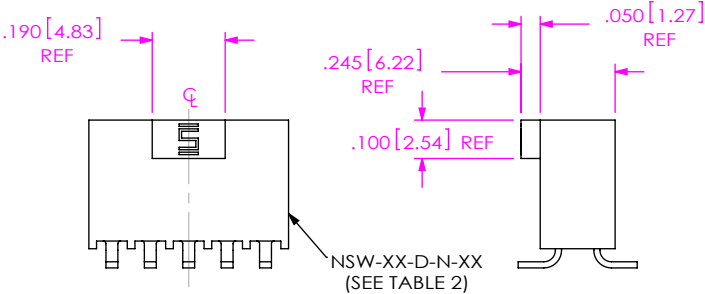


FIG 7  
NOTCH OPTION  
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

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