THE DATASHEET OF

SSW-120-22-F-D-VS-TR

REVISION BB

DO NOT SCALE FROM THIS PRINT

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

((NO OF POS X .10 [2.5]) + .02 [0.5] (SEE NOTE 12)

.060 [1.52] REF

.095 [2.41] REF

02

01 03

-S: SINGLE ROW

No OF POSITIONS
-02 THRU -50

LEAD STYLE
-22 (USE C-17-02-X)

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

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)

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

OPTION
-VS: VERTICAL SURFACE MOUNT (SEE FIG 1)

04 02

.195 [4.95] REF

03 01

-D: DOUBLE ROW

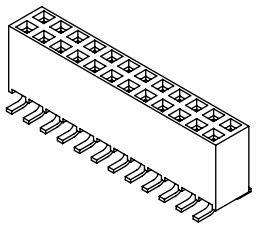
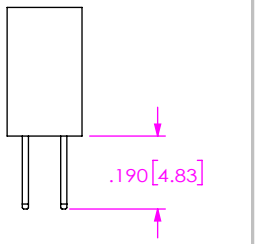
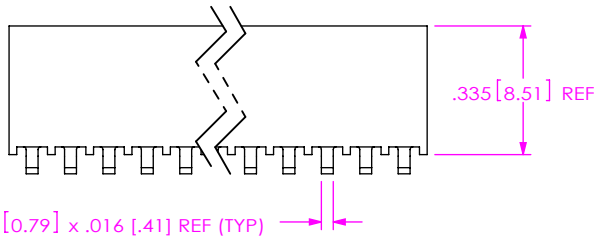


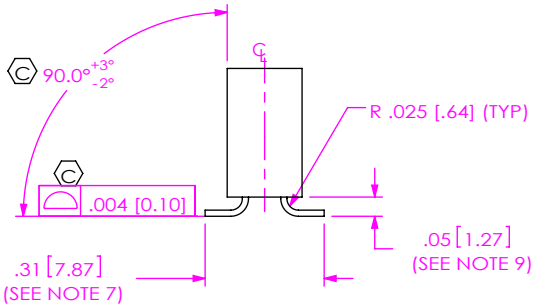
FIG 1
-VS: VERTICAL SURFACE MOUNT



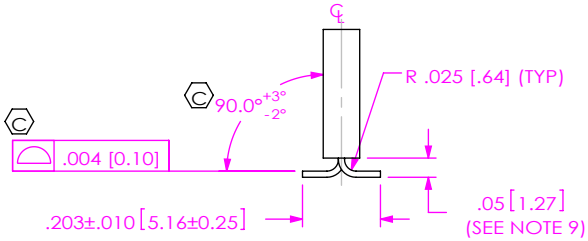
IN-PROCESS DOUBLE ROW

IN-PROCESS SINGLE ROW





-D: DOUBLE ROW



-S: SINGLE ROW

NOTES:
1. Ⓒ 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° EITHER DIRECTION.
5. MAXIMUM ALLOWABLE VARIATION BETWEEN ROWS: .010[.25].
6. "END WALLS" AFTER CUTTING SHOULD BE .020±.003 [.51±.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
.XX: ±.01 [0.3]
.XXX: ±.005 [0.13]
.XXXX: ±.0020 [0.051]
ANGLES 2°

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samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail info@SAMTEC.com code 55322

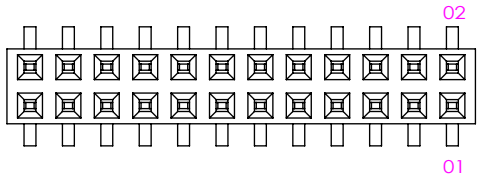
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
INSULATOR: SINGLE & DOUBLE ROW: LCP, UL 94 VO
TRIPLE ROW: PCT, UL 94 VO
COLOR: BLACK

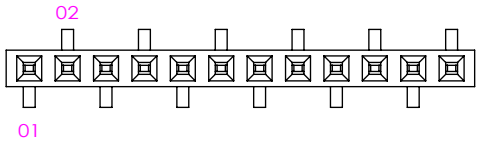
TERMINAL: PHOSPHOR BRONZE

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

DESCRIPTION: .100 [2.54] SURFACE MOUNT ASSEMBLY
DWG. NO. SSW-1XX-22-XXX-X-VS-XX-X-XX
BY: PLUMMER 01/20/97

REVISION BB





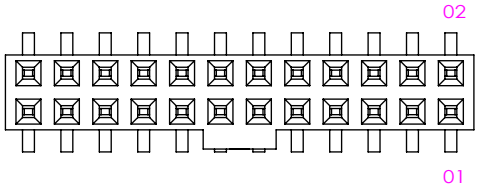
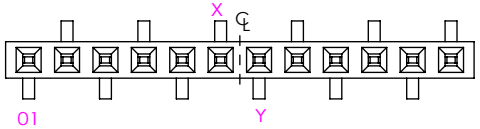
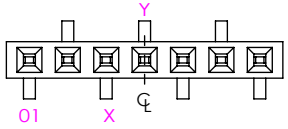


FIG 4
POLARIZATION LOCATION
INSERT PK-15-N INTO SPECIFIED POS AND BREAK OFF TAB



EVEN POSITIONS
X = (NO OF POS / 2), Y = X+1



ODD POSITIONS
X = ((NO OF POS - 1) / 2), Y = X+1

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

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SHEET SCALE: 2:1

DESCRIPTION:
.100 [2.54] SURFACE MOUNT ASSEMBLY

DWG. NO.
SSW-1XX-22-XXX-X-VS-XX-X-XX

BY: PLUMMER 01/20/97

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

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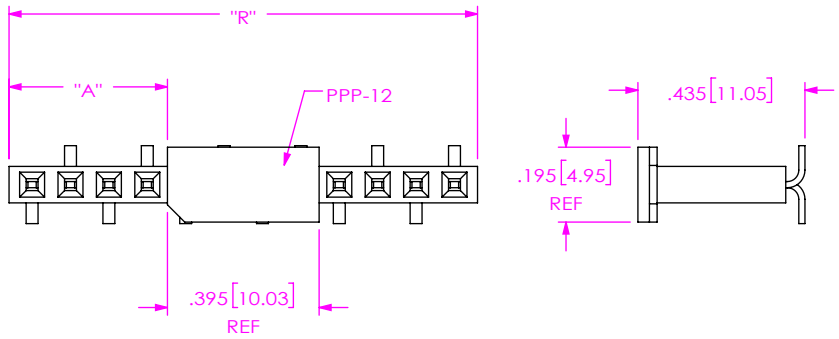
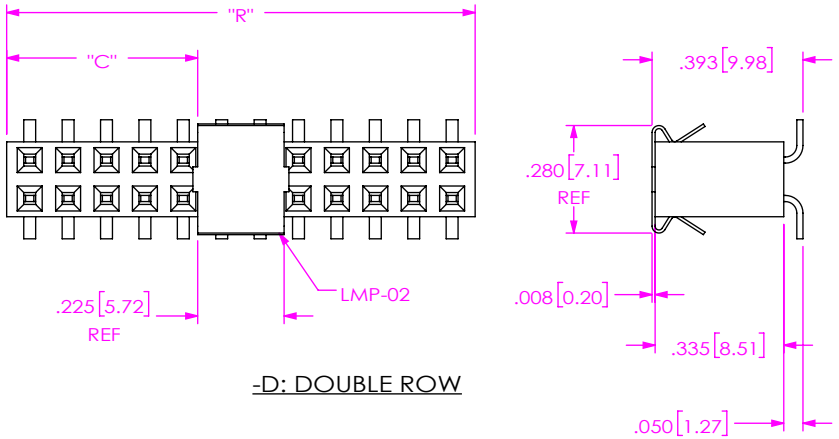


-S: SINGLE ROW
(SEE NOTE 11)

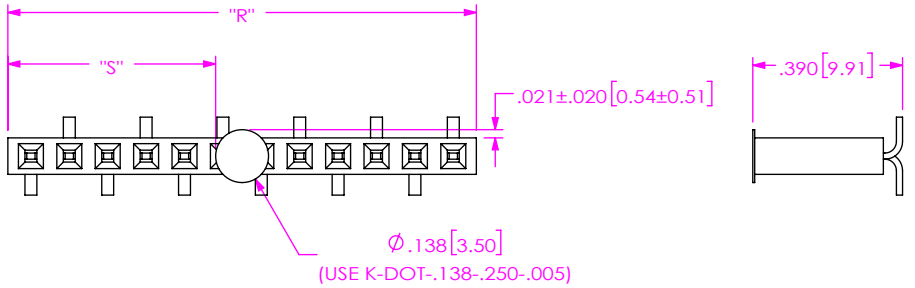
FOR ODD: "A" = ("R"/2) -.2475 [6.287] ± .020 [.51]
FOR EVEN: "A" = ("R"/2) -.1975 [5.027] ± .020 [.51]



-D: DOUBLE ROW

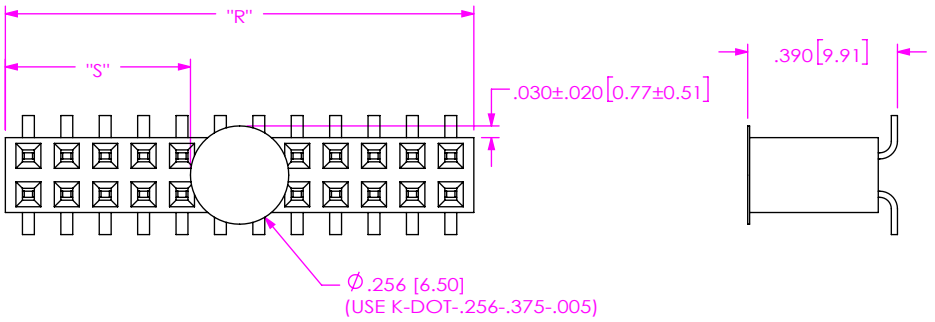
"C" = ("R"/2) -.1125 [2.858] ± .020 [.51]

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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BY: PLUMMER 01/20/97

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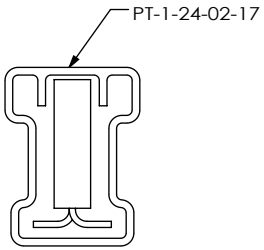
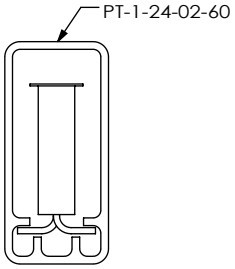
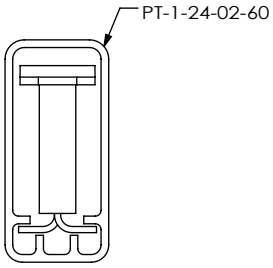


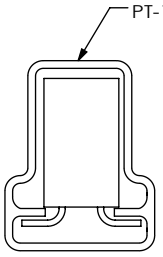
-S



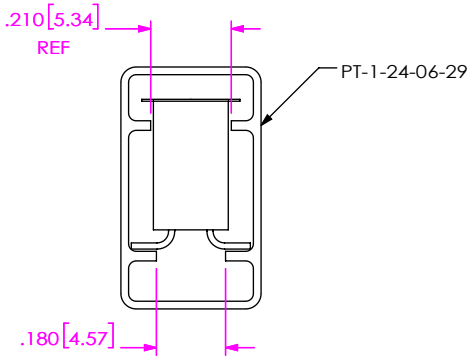
-S-K



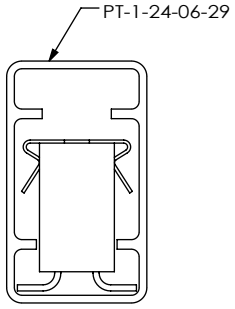
-S-P



-D



-D-K



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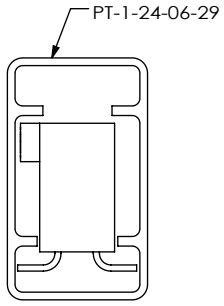

-N

PACKAGING VIEWS

TABLE 1
(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

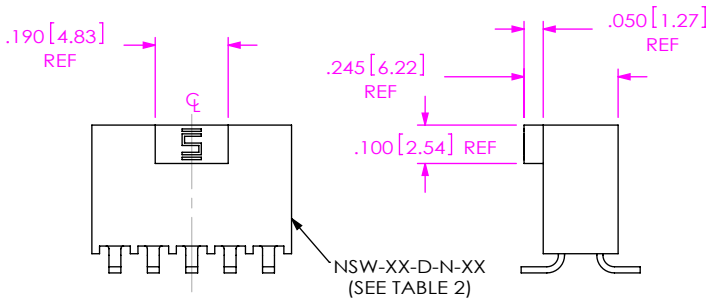

FIG 7
NOTCH OPTION
DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1

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SHEET SCALE: 2:1

DESCRIPTION:
.100 [2.54] SURFACE MOUNT ASSEMBLY

DWG. NO.
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