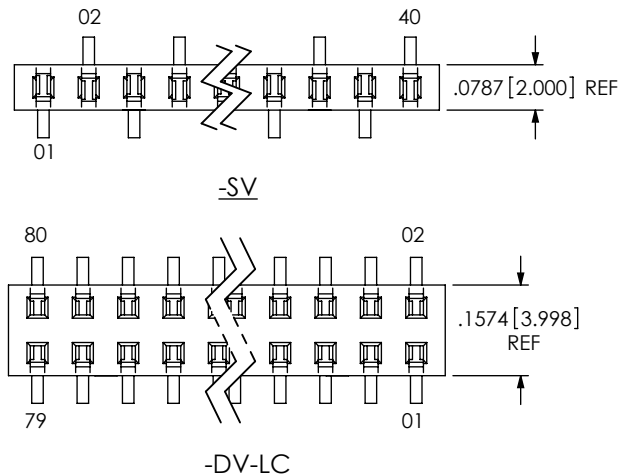


DO NOT
SCALE FROM
THIS PRINT



No OF POSITIONS

-02 THRU -40
(PER ROW)

LEAD STYLE

-02: SURFACE MOUNT

POLARIZING OPTION

-XXX INDICATES POSITION No
(USE PK-07-N)

OPTION

- LC: LOCKING CLIP
(NOT AVAILABLE ON -SV)
(USE LC-06-TM, SEE FIG 1,
FIG 2 & 3, SHT 2 & NOTES 6 & 7)
- P: PICK & PLACE PAD
(ONLY AVAILABLE ON -SV & -DV, 4 POS MIN)
(-SV: USE PPP-09; -DV: USE PPP-03;
SEE FIG 5, SHT 2)
- M: METAL PICK & PLACE PAD
(ONLY AVAILABLE ON -DV)
(USE LMP-03, SEE FIG 7, SHT 3)
- A: MOLDED ALIGNMENT PIN
(AVAILABLE ON -DV ONLY)
(USE MMS-XX-D-VXX, SEE FIG 4, SHT 3)
- K: POLYIMIDE FILM PAD
(AVAILABLE ON 3 POS MIN,
FOR -SV USE K-DOT-.118-.219-.005,
FOR -DV USE K-DOT-.217-.313-.005)
(SEE FIG 6, SHT 3)
- TR: TAPE & REEL PACKAGING
(SEE FIG 8, SHT 4)
(AVAILABLE ON 2-36 POS ONLY)

PLATING SPECIFICATION

- S: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN TAIL
- L: 10μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN TAIL
- F: 3μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN TAIL
- ** -T: MATTE TIN OVER ENTIRE CONTACT
- LTL: 10μ" SELECTIVE GOLD IN CONTACT AREA,
TIN LEAD (90/10 ±5%) TAIL
- SM: 30μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN TAIL
- LM: 10μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN TAIL
- FM: 3μ" SELECTIVE GOLD IN CONTACT AREA,
MATTE TIN TAIL
- ** -TM: MATTE TIN OVER ENTIRE CONTACT
- H: 30μ" GOLD IN CONTACT AREA,
3μ" GOLD ON TAIL

ENTRY/ROW SPECIFICATION

- SH: SINGLE ROW, HORIZONTAL ENTRY
- DH: DOUBLE ROW, HORIZONTAL ENTRY
- SV: SINGLE ROW, VERTICAL (TOP) ENTRY
- DV: DOUBLE ROW, VERTICAL (TOP) ENTRY

** = AVAILABLE TO EXISTING CUSTOMERS ONLY

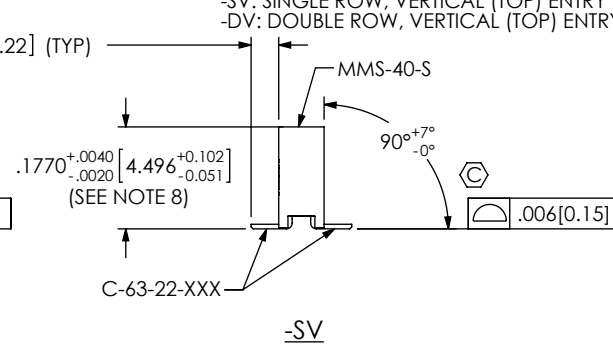
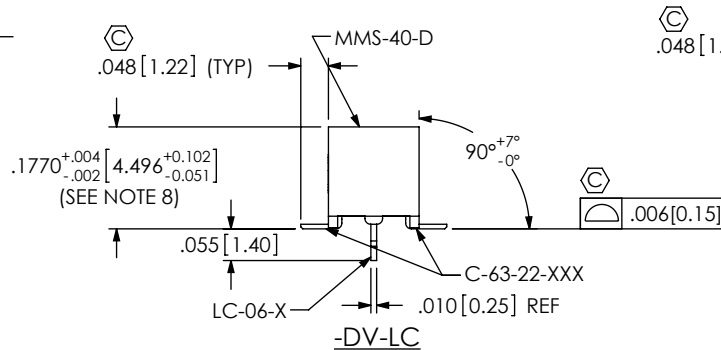
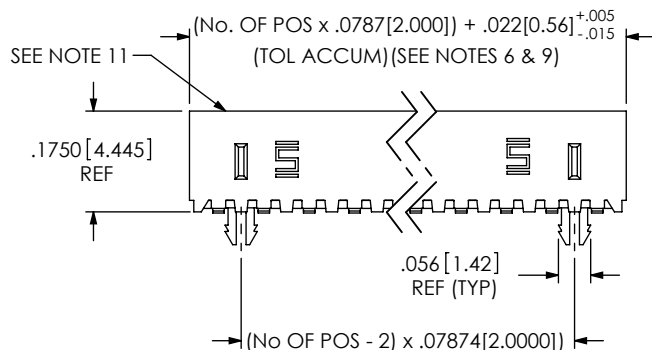
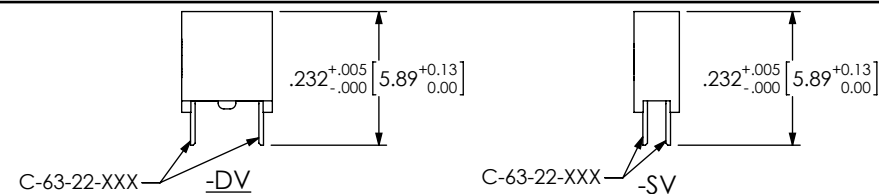


FIG 1
MMS-140-02-XXX-XV-LC SHOWN

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM ALLOWABLE SWAY: 2° IN EITHER DIRECTION
3. MAXIMUM BURR ALLOWANCE: .003[0.08]
4. MAXIMUM CUT FLASH: .020[0.51]
5. MINIMUM RETENTION FORCE: SINGLE ROW: .5 LB, DOUBLE ROW: 1 LB
6. CUT BODIES FROM MMS-40-D OR MMS-40-S FOR ALL STYLES EXCEPT -LC.
FOR -LC, USE POSITIONALIZED BODIES. 3 POSITION -DV-LC PARTS WILL HAVE 1 LOCKING CLIP.
7. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS
NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL
PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
8. THIS DIMENSION TO BE MEASURED AT BEND.
9. FOR -SV LEAD STYLE, EVEN POSITION CUTS LOSE 2 POSITIONS PER CUT; ODD
POSITION CUTS LOSE 1 POSITION PER CUT.
10. LEAD STYLE -02-SH, POSITIONS 2 THRU 4 TO BE PACKAGED IN BOXES. ALL OTHER ROW
SPECIFICATIONS SHOULD BE TUBED ACCORDING TO TABLE 2, REGARDLESS OF POSITION.
11. PK-07-N TO BE INSERTED FROM THIS SIDE.



IN-PROCESS

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES
.XX: ±.01 [.3] 2°
.XXX: ±.005 [.13]
.XXXX: ±.0020 [.051]

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1

INSULATOR: VECTRA E130I, COLOR: BLACK
CONTACT: PHOS BRONZE

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:

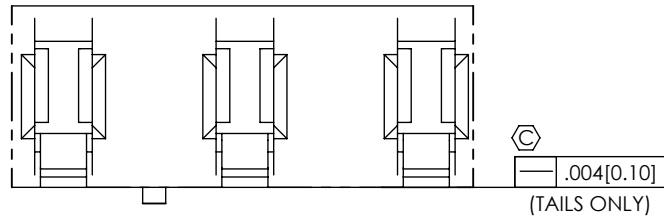
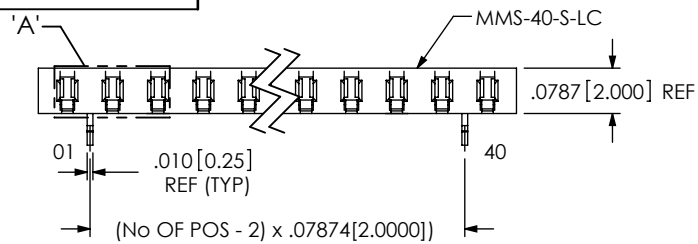
2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

DWG. NO.

MMS-1XX-02-XXX-XX-XX-XXX

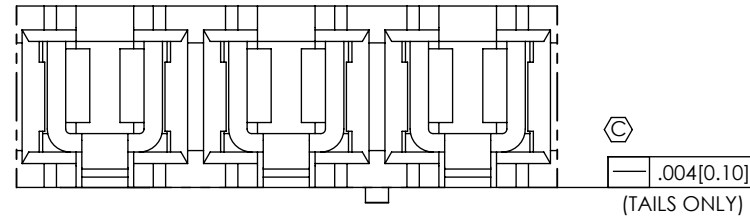
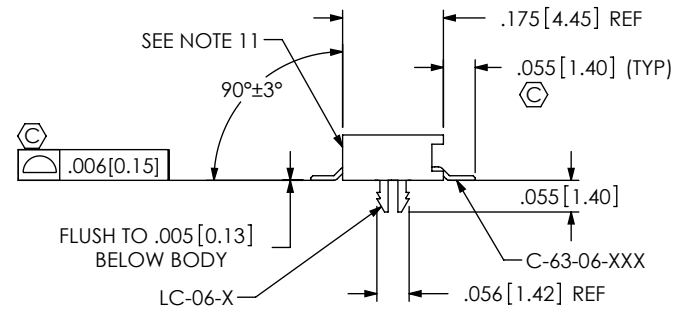
BY: BRATCHER 04/01/1994 SHEET 1 OF 4

REVISION CL

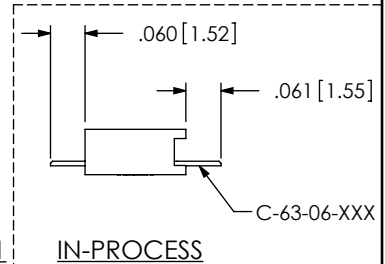


DETAIL 'A'
SCALE 12 : 1

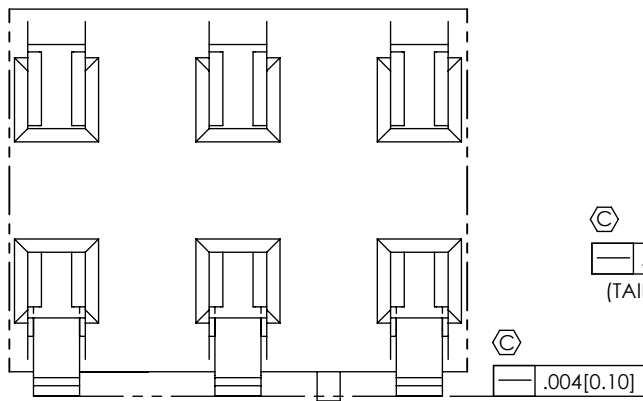
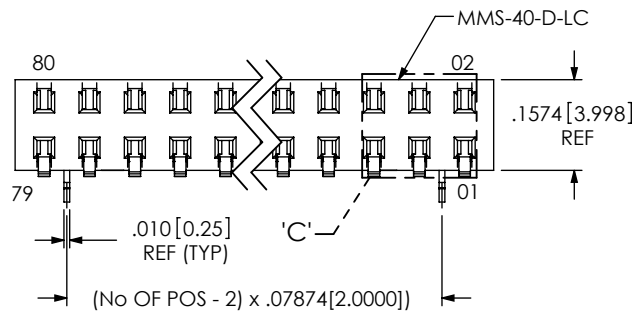
FIG 2
MMS-140-02-XXX-SH-LC SHOWN



DETAIL 'B'
SCALE 12 : 1

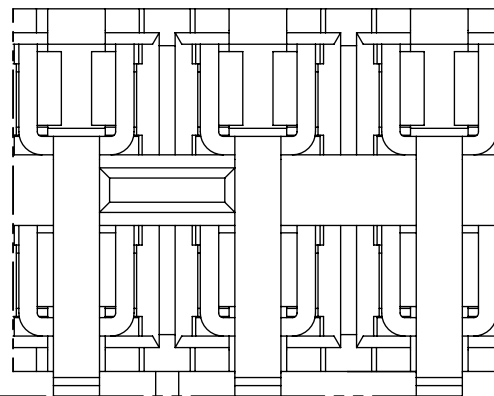
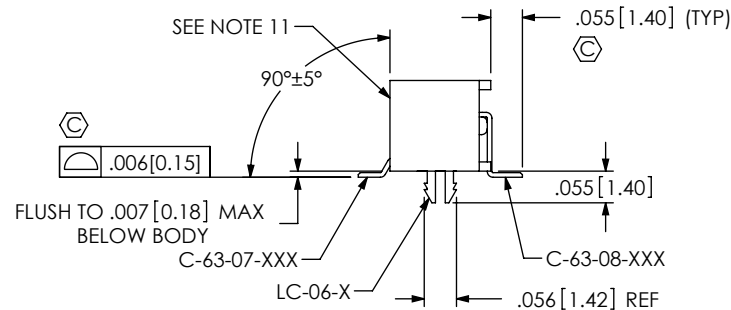


IN-PROCESS

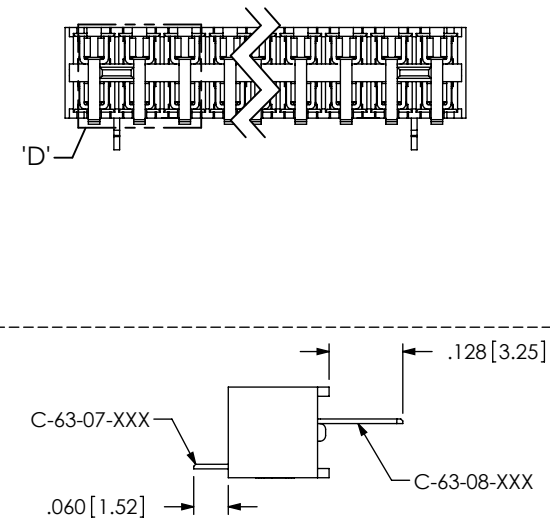


DETAIL 'C'
SCALE 12 : 1

FIG 3
MMS-140-02-XXX-DH-LC SHOWN



DETAIL 'D'
SCALE 12 : 1



IN-PROCESS

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

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

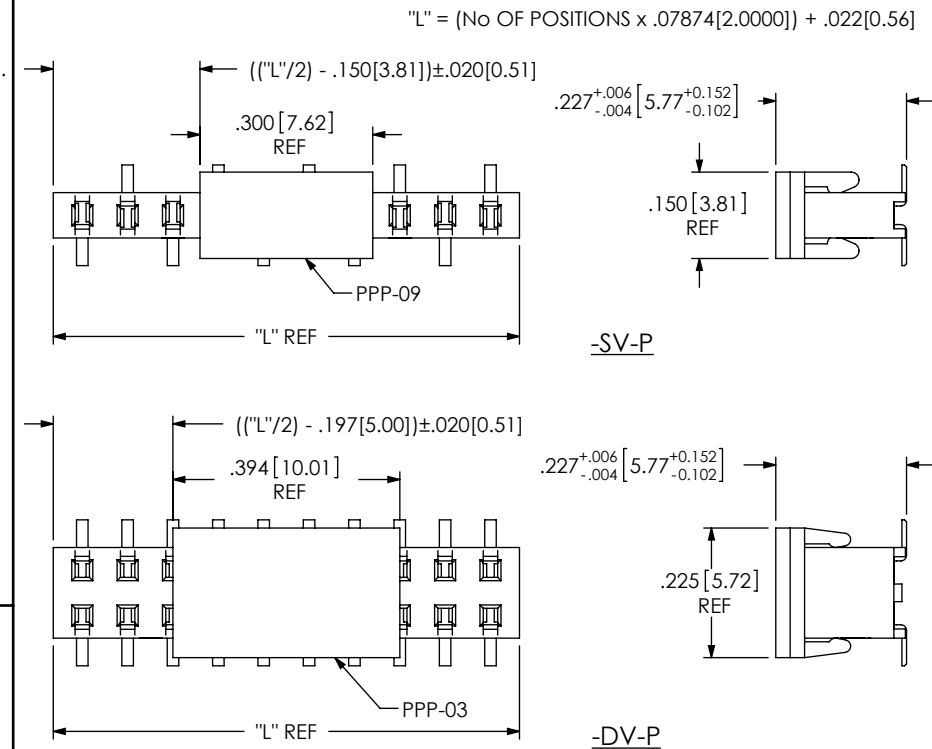
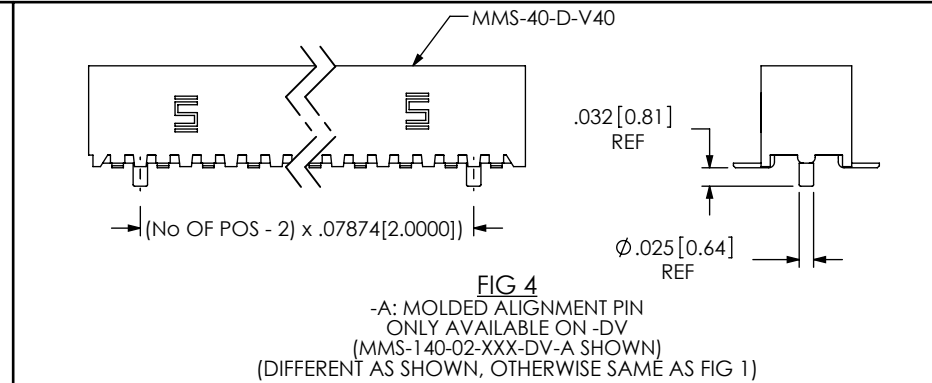
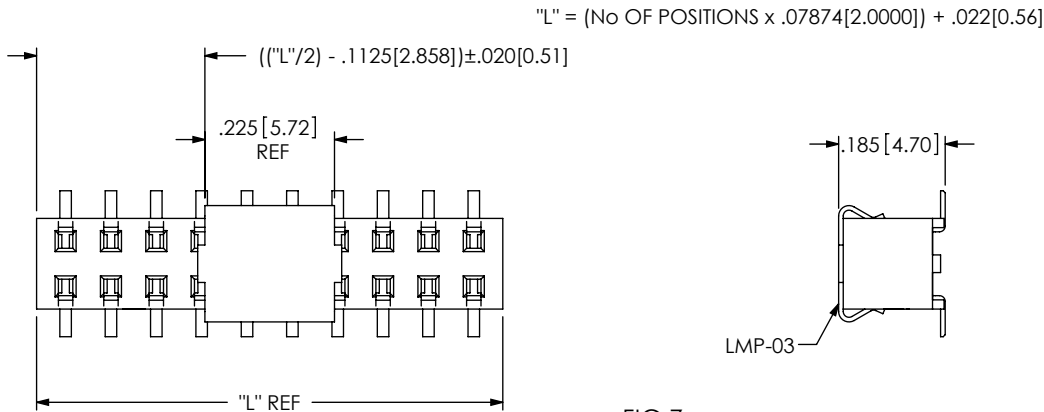
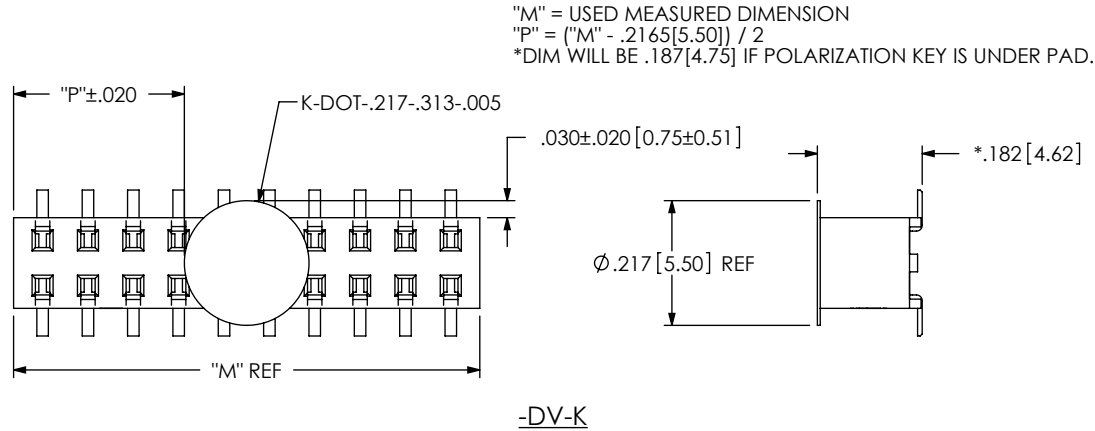
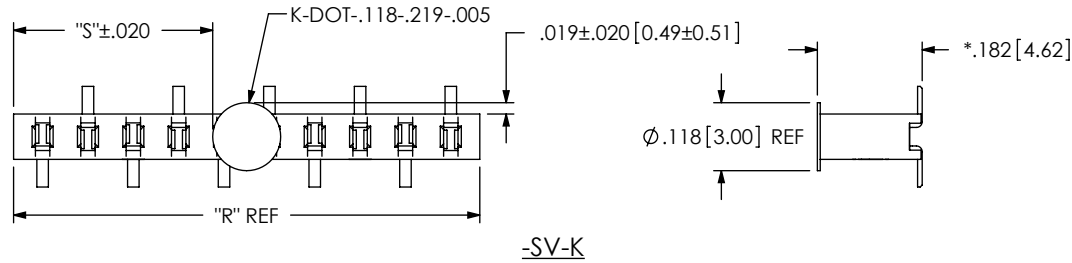
DESCRIPTION:
2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

DWG. NO.
MMS-1XX-02-XXX-XX-XX-XXX

BY: BRATCHER 04/01/1994 SHEET 2 OF 4

c:\enterprise\dwg\MISC\MKTG\MMS-1XX-02-XXX-XX-XX-XXX-MKT.SLDDRW

"R" = USED MEASURED DIMENSION
 "S" = ("R" - .118[3.00]) / 2
 *DIM WILL BE .187[4.75] IF POLARIZATION KEY IS UNDER PAD.



PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION
 CONFIDENTIAL AND PROPRIETARY TO
 SAMTEC, INC. AND SHALL NOT BE REPRODUCED
 OR TRANSFERRED TO OTHER DOCUMENTS OR
 DISCLOSED TO OTHERS OR USED FOR ANY
 PURPOSE OTHER THAN THAT WHICH IT WAS
 OBTAINED WITHOUT THE EXPRESSED WRITTEN
 CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

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:

2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

DWG. NO.

MMS-1XX-02-XXX-XX-XX-XXX

BY: BRATCHER 04/01/1994

SHEET 3 OF 4

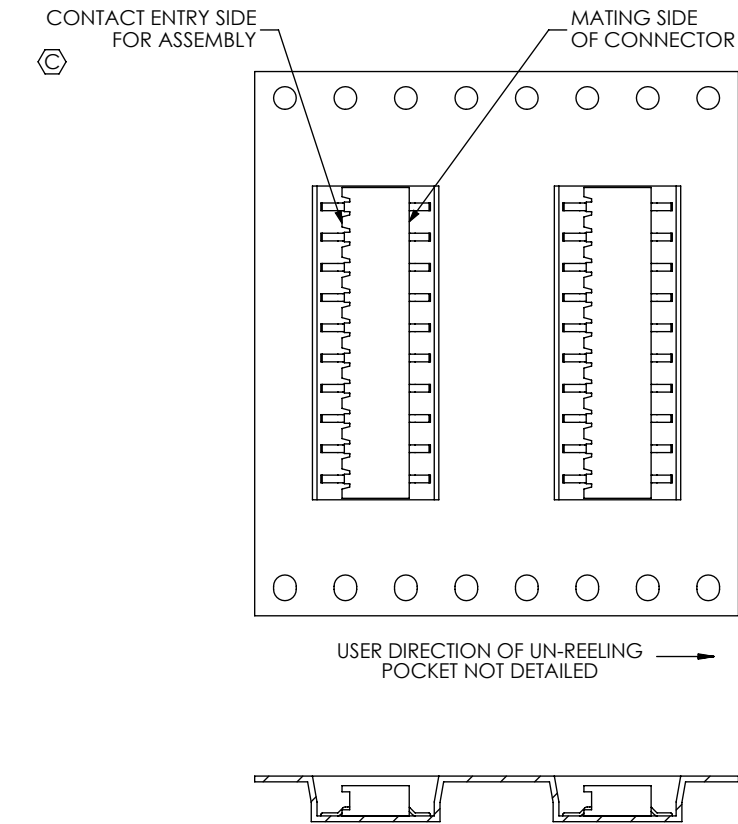


FIG 8
-TR: TAPE & REEL PACKAGING
MMS-110-02-XXX-SH SHOWN FOR ORIENTATION OF -SH & -DH STYLES
(MMS-103-02-X-LC, POS 1 TO FACE ROUND HOLES)

FIG 9
TUBE PACKAGING OPTIONS

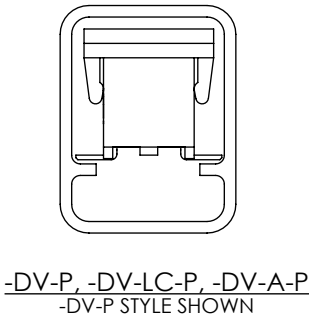
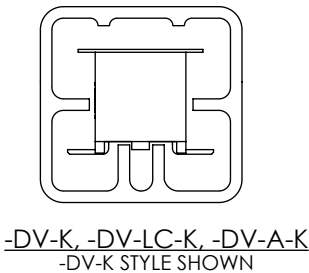
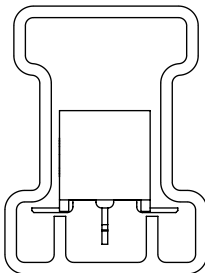
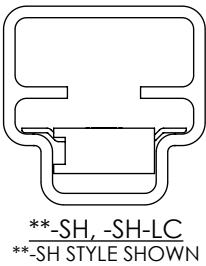
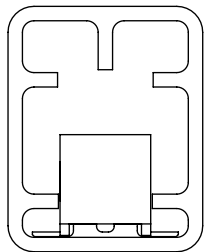
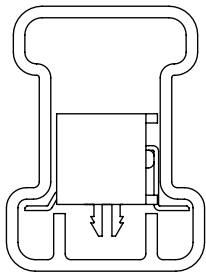


TABLE 2 (#1 POSITION TO BE TUBED IN DIRECTION OF ARROW)		
LEAD STYLE	PACKAGING TUBE	PLUG
-DV (NOT 4 POS), -DV-LC, -DV-A	PT-1-24-02-17	TP-09
-DV (4 POS ONLY)	PT-1-24-01-118	TP-09
-DV-M, -DV-LC-M, -DV-A-M	PT-1-24-01-63	TP-24
-DV-K, -DV-LC-K, -DV-A-K	PT-1-24-02-63	TP-24
-DV-P, -DV-LC-P, -DV-A-P	PT-BKT001	TP-09
**SH, -SH-LC	PT-1-24-02-16	TP-24
-DH	PT-1-24-02-17	TP-03
-DH-P, -DH-K	PT-1-24-06-17	TP-24
-DH-LC	PT-1-24-02-17	TP-09
-SV (NOT -02 THRU -04 POS)	PT-1-24-01-16	TP-12
-SV (-02 THRU -04 POS ONLY)	PT-1-24-01-68	TP-12
-SV-P	PT-1-24-02-16	TP-24
-SV-K	PT-1-24-03-63	TP-24

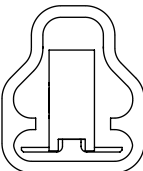
**SEE NOTE 10



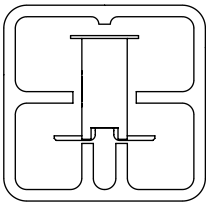
-DV (4 POS ONLY)



-DH-LC



-SV (NOT -02 THRU -04 POS)



-SV-K

PROPRIETARY NOTE
THIS DOCUMENT CONTAINS INFORMATION
CONFIDENTIAL AND PROPRIETARY TO
SAMTEC, INC. AND SHALL NOT BE REPRODUCED
OR TRANSFERRED TO OTHER DOCUMENTS OR
DISCLOSED TO OTHERS OR USED FOR ANY
PURPOSE OTHER THAN THAT WHICH IT WAS
OBTAINED WITHOUT THE EXPRESSED WRITTEN
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 3:1

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

DESCRIPTION:
2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

DWG. NO.
MMS-1XX-02-XXX-XX-XX-XXX

BY: BRATCHER 04/01/1994 SHEET 4 OF 4