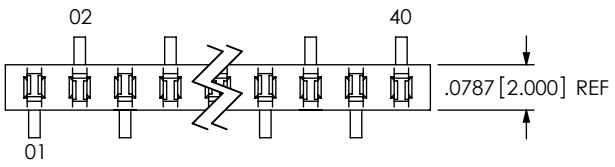
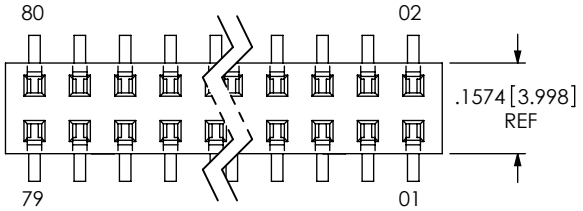
REVISION CL

DO NOT SCALE FROM THIS PRINT



-SV



-DV-LC

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

No OF POSITIONS
-02 THRU -40 (PER ROW)

LEAD STYLE
-02: SURFACE MOUNT

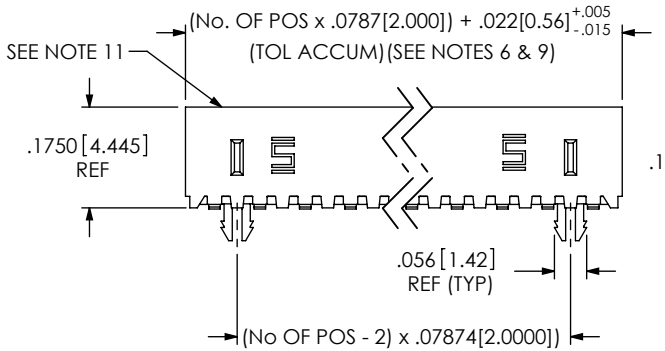
PLATING SPECIFICATION
-S: 30µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL
-L: 10µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL
-F: 3µ" SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL
** -T: MATTE TIN OVER ENTIRE CONTACT
-LTL: 10µ" SELECTIVE GOLD IN CONTACT AREA, TIN LEAD (90/10 ±5%) TAIL
-SM: 30µ"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

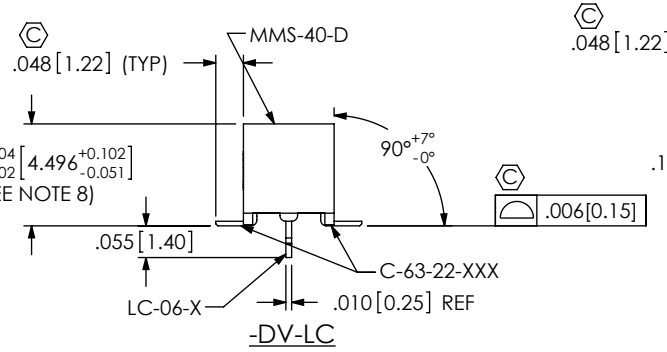
** = AVAILABLE TO EXISTING CUSTOMERS ONLY

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

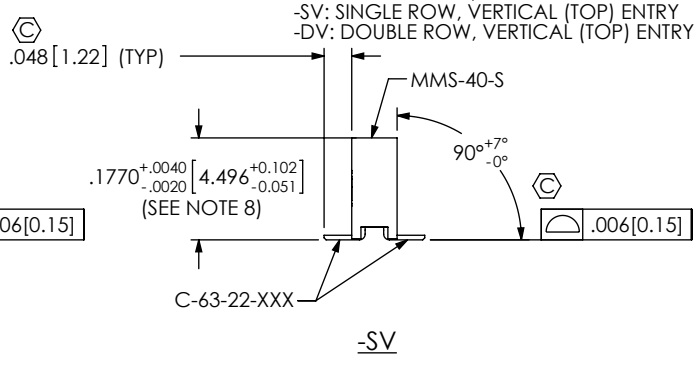
OPTION
-LC: LOCKING CLIP (NOT AVAILABLE ON -SV) (USE LC-06-TM, SEE FIG 1, FIG 2 & 3, SHT 2 & NOTES 6 & 7)
-P: PICK & PLACE PAD (ONLY AVAILABLE ON -SV & -DV, 4 POS MIN) (-SV: USE PPP-09; -DV: USE PPP-03; SEE FIG 5, SHT 2)
-M: METAL PICK & PLACE PAD (ONLY AVAILABLE ON -DV) (USE LMP-03, SEE FIG 7, SHT 3)
-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)

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



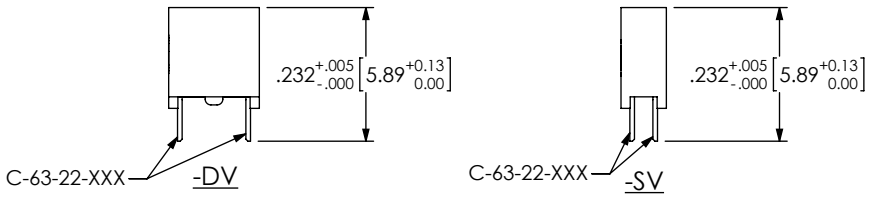


-DV-LC



-SV

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



IN-PROCESS

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 POSITON 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.

c:\enterprisevault\DWG\MISC\MKTG\MMS-1XX-02-XXX-XX-XX-XXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS: .XX: ±.01 [.3] .XXX: ±.005 [.13] .XXXX: ±.0020 [.051]
ANGLES: 2°

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.

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

MATERIAL: INSULATOR: VECTRA E130i, COLOR: BLACK
CONTACT: PHOS BRONZE

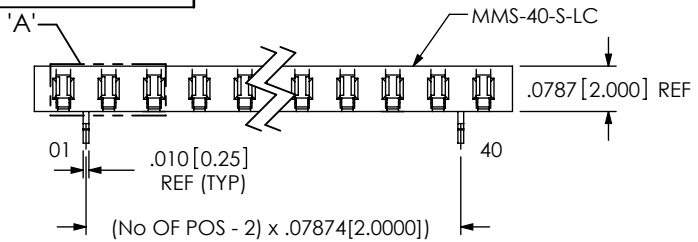
DO NOT SCALE DRAWING SHEET SCALE: 3:1

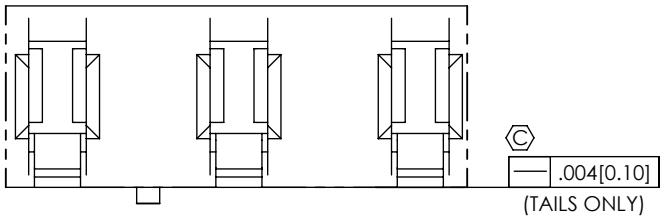
DESCRIPTION: 2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

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

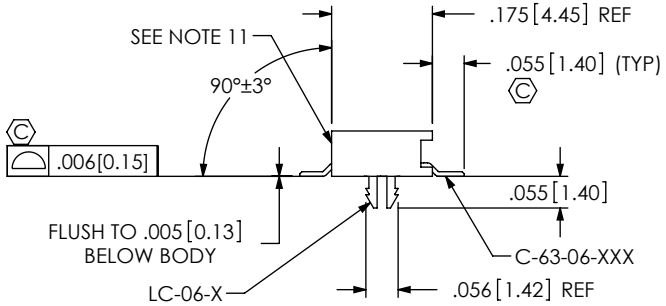
BY: BRATCHER 04/01/1994 SHEET 1 OF 4

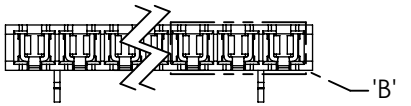
REVISION CL

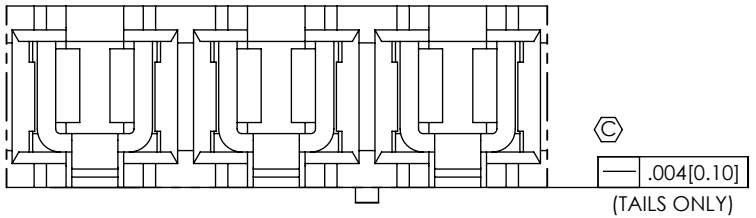




DETAIL 'A'
SCALE 12 : 1

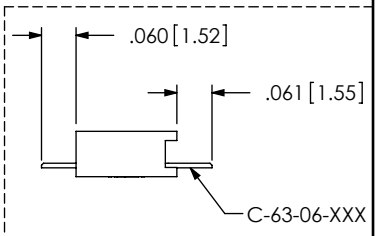




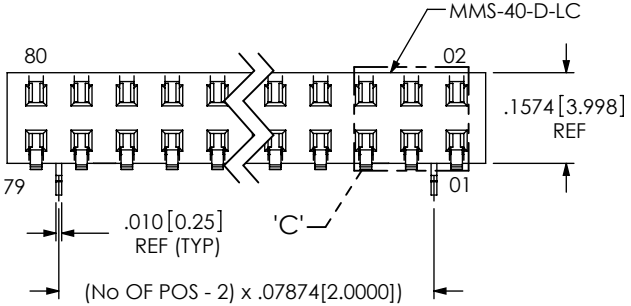


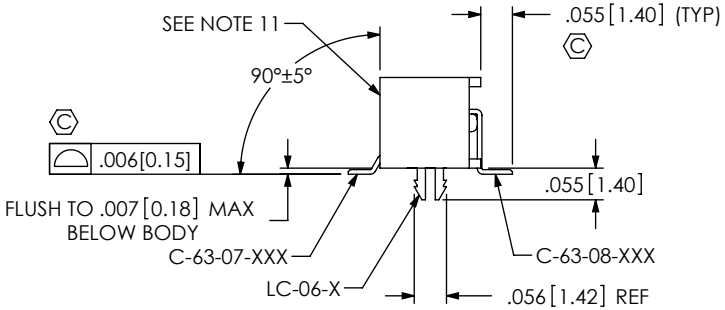
DETAIL 'B'
SCALE 12 : 1

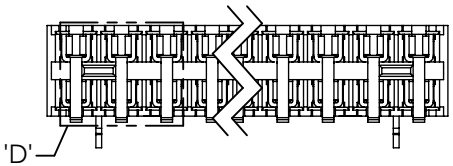
FIG 2
MMS-140-02-XXX-SH-LC SHOWN

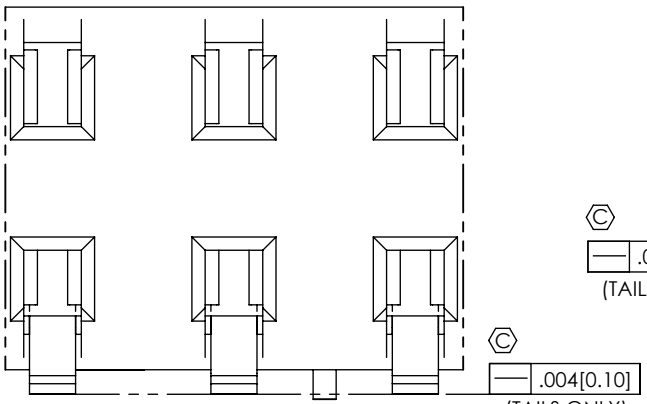


IN-PROCESS

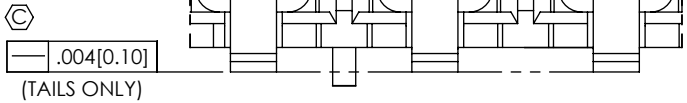






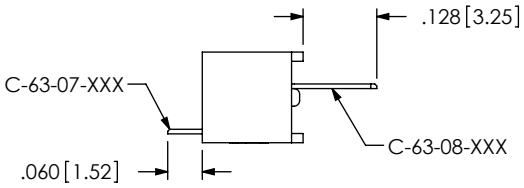


DETAIL 'C'
SCALE 12 : 1



DETAIL 'D'
SCALE 12 : 1

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



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

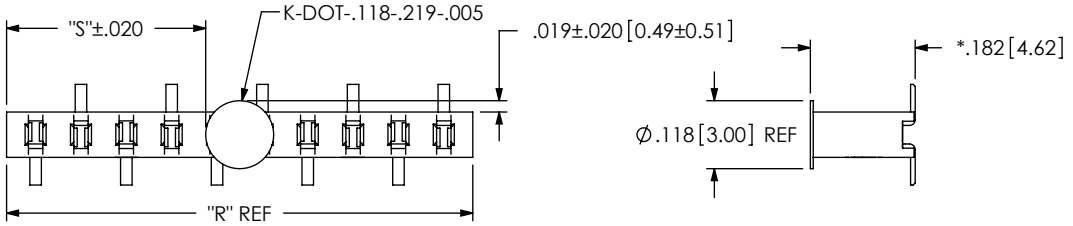
DWG. NO.
MMS-1XX-02-XXX-XX-XX-XXX

BY: BRATCHER 04/01/1994

c:\enterprisevault\DWG\MISC\MKTG\MMS-1XX-02-XXX-XX-XX-XXX-MKT.SLDDRW

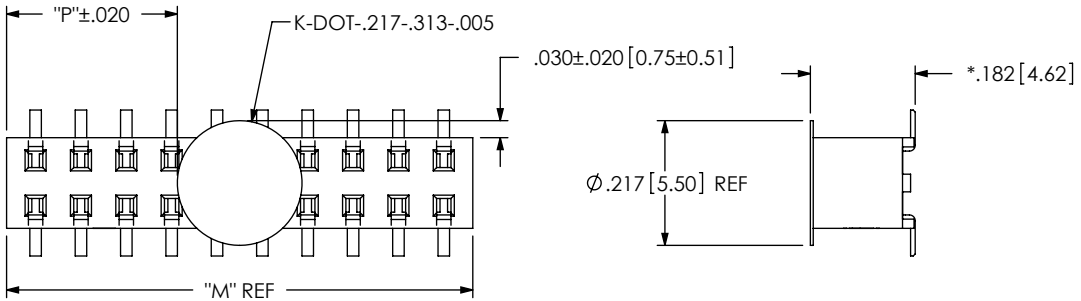
REVISION CL

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



-SV-K

"M" = USED MEASURED DIMENSION
"P" = ("M" - .2165[5.50]) / 2
*DIM WILL BE .187[4.75] IF POLARIZATION KEY IS UNDER PAD.



-DV-K

FIG 6
-K: POLYIMIDE FILM PAD
ONLY AVAILABLE ON -SV & -DV
(MMS-140-02-XXX-XV-K SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

"L" = (No OF POSITIONS x .07874[2.0000]) + .022[0.56]

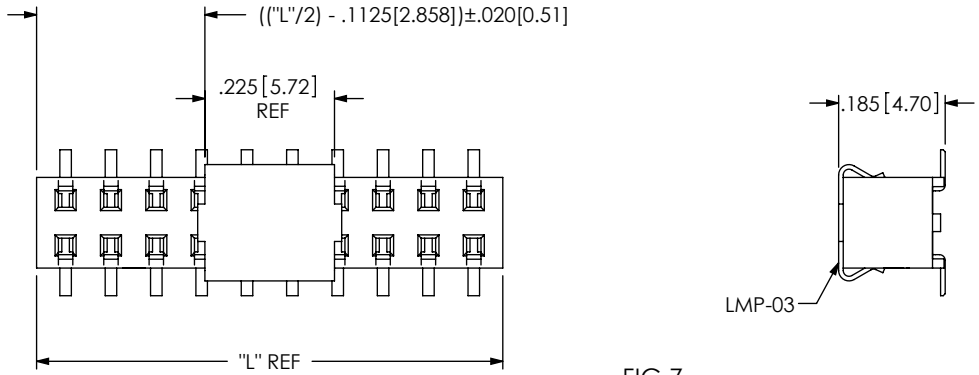


FIG 7
-M: METAL PICK & PLACE PAD
ONLY AVAILABLE ON -DV
(MMS-140-02-XXX-DV-M SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

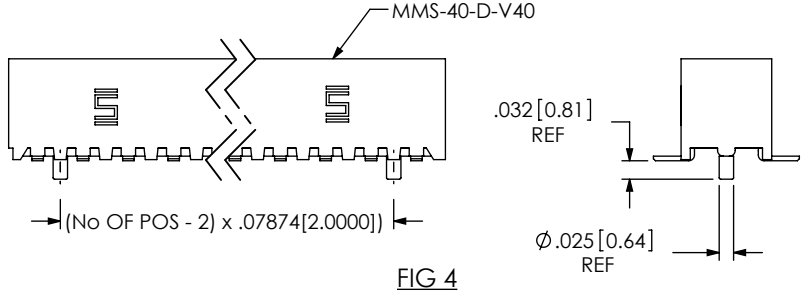
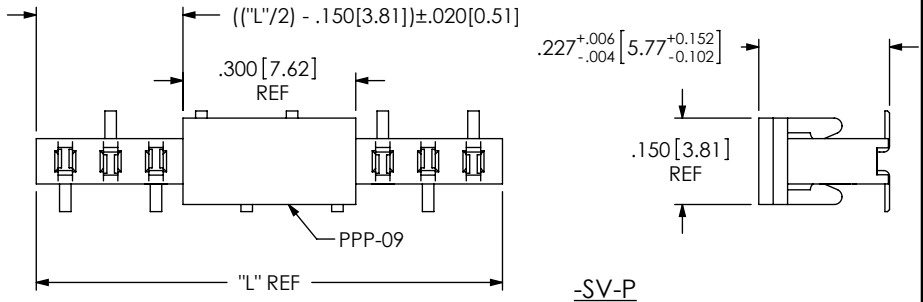
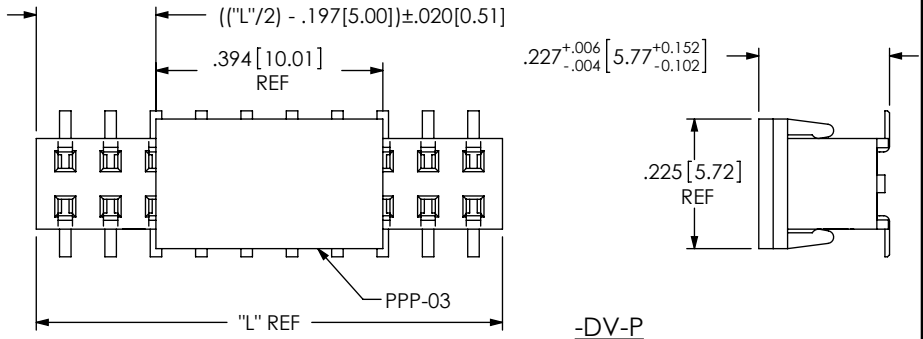


FIG 4
-A: MOLDED ALIGNMENT PIN
ONLY AVAILABLE ON -DV
(MMS-140-02-XXX-DV-A SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

"L" = (No OF POSITIONS x .07874[2.0000]) + .022[0.56]



-SV-P



-DV-P

FIG 5
-P: PICK & PLACE PAD
ONLY AVAILABLE ON -SV & -DV
(MMS-140-02-XXX-XV-P SHOWN)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

c:\enterprisevault\DWG\MISC\MKTG\MMS-1XX-02-XXX-XX-XX-XXX-MKT.SLDDRW

REVISION CL

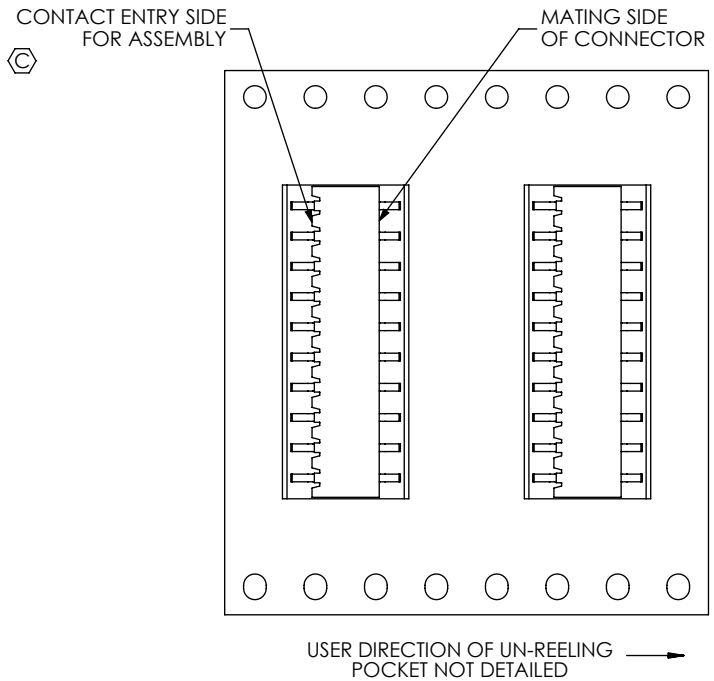
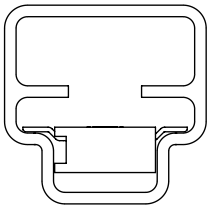
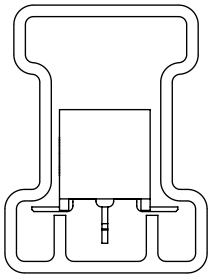


FIG 8
-TR: TAPE & REEL PACKAGING
MMS-110-02-XXX-SH SHOWN FOR ORIENTATION OF -SH & -DH STYLES
(MMS-103-02-X-LC, POS 1 TO FACE ROUND HOLES)

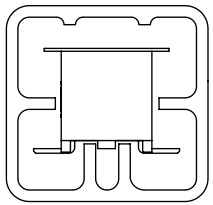
FIG 9
TUBE PACKAGING OPTIONS



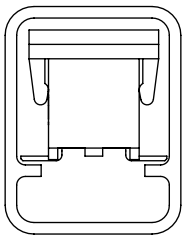
**-SH, -SH-LC
**-SH STYLE SHOWN



-DV (NOT 4 POS), -DV-LC, -DV-A
-DV-LC STYLE SHOWN



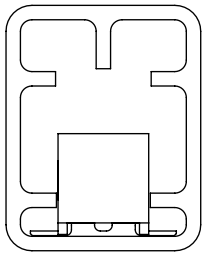
-DV-K, -DV-LC-K, -DV-A-K
-DV-K STYLE SHOWN



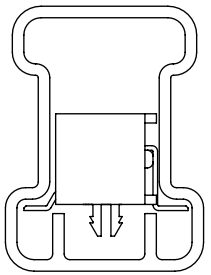
-DV-P, -DV-LC-P, -DV-A-P
-DV-P STYLE SHOWN

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

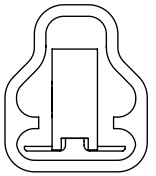
**SEE NOTE 10



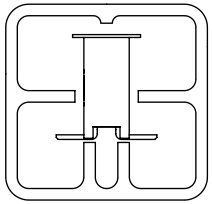
-DV (4 POS ONLY)



-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

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 4 OF 4

c:\enterprisevault\DWG\MISC\MKTG\MMS-1XX-02-XXX-XX-XX-XXX-MKT.SLDDRW