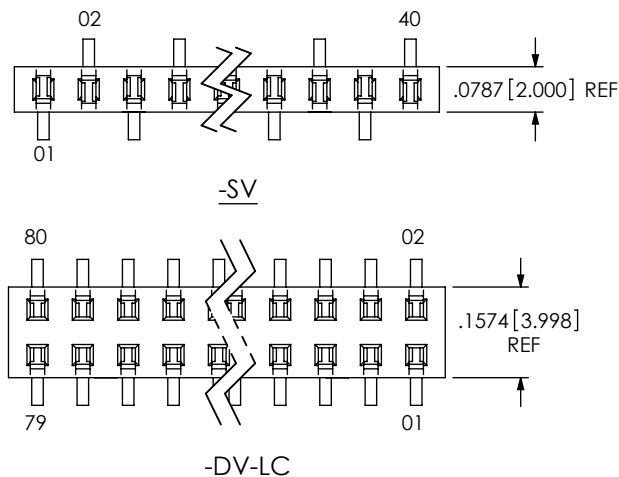


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THIS PRINT

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

No OF POSITIONS
-02 THRU -40
(PER ROW)LEAD STYLE
-02: SURFACE MOUNTPOLARIZING OPTION
-XXX INDICATES POSITION No
(USE PK-07-N)

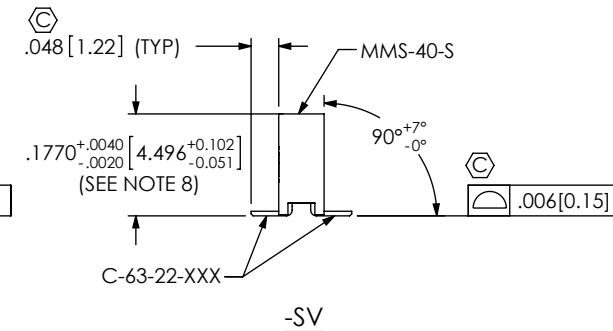
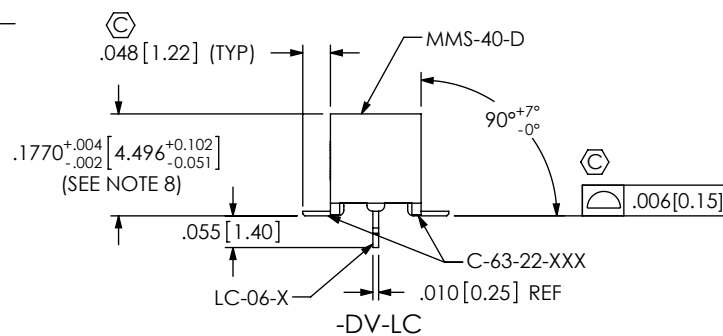
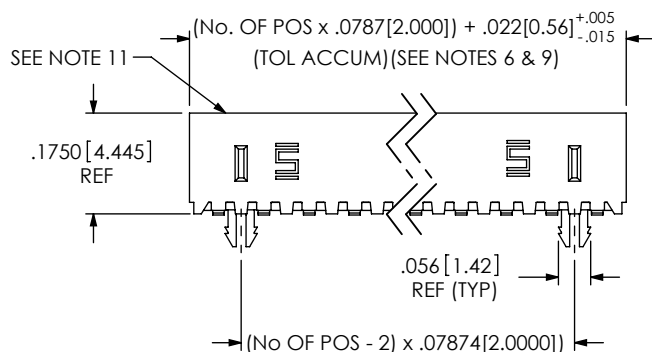
OPTION

- 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 ONLY ON -SV, 3 POS MIN
(USE K-DOT-.118-.219-.005)
-DV, 4 POS MIN, (USE K-DOT-.217-.313-.005)
(SEE FIG 6, SHT 3)
- TR: TAPE & REEL PACKAGING
(SEE FIG 8, SHT 3)

ENTRY/ROW SPECIFICATION

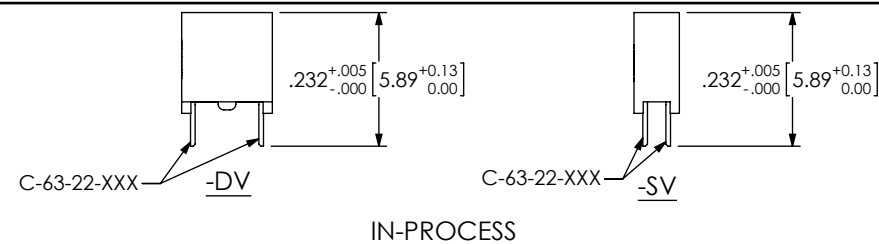
PLATING SPECIFICATION

- 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

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.

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

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MATERIAL: DO NOT SCALE DRAWING

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

SHEET SCALE: 3:1

DESCRIPTION:

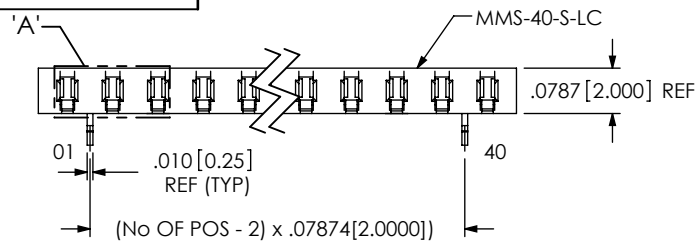
2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

DWG. NO.

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

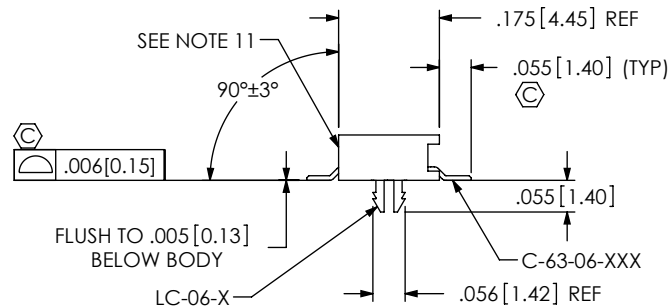
BY: BRATCHER 04/01/1994

SHEET 1 OF 4

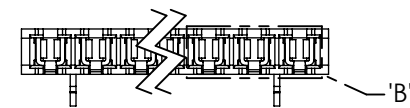


DETAIL 'A'
SCALE 12:1

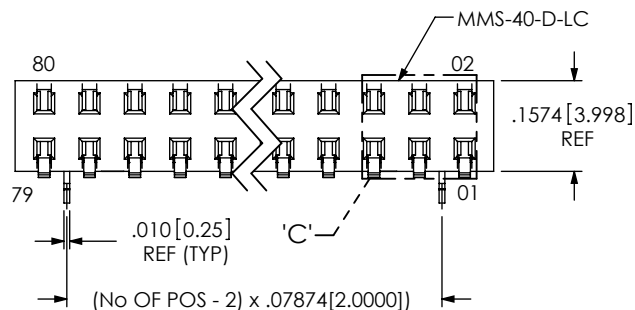
FIG 2
MMS-140-02-XXX-SH-LC SHOWN



DETAIL 'B'
SCALE 12:1

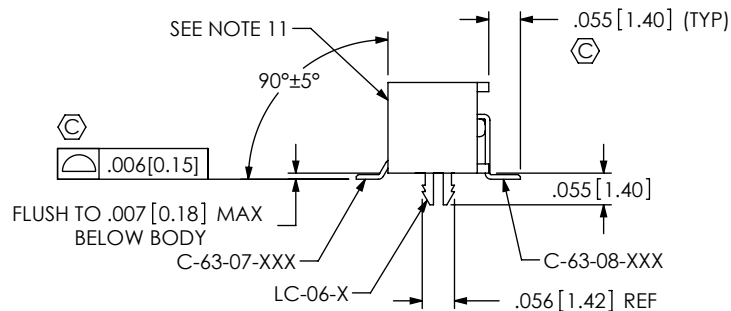


IN-PROCESS

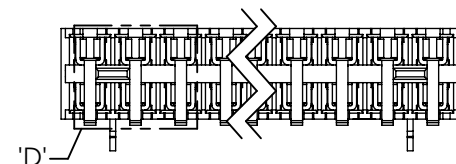


DETAIL 'C'
SCALE 12:1

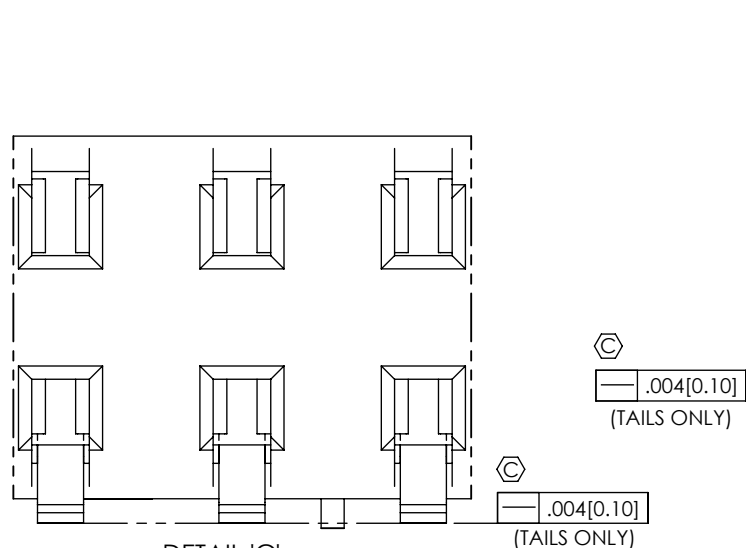
FIG 3
MMS-140-02-XXX-DH-LC SHOWN



DETAIL 'D'
SCALE 12:1



IN-PROCESS



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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

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

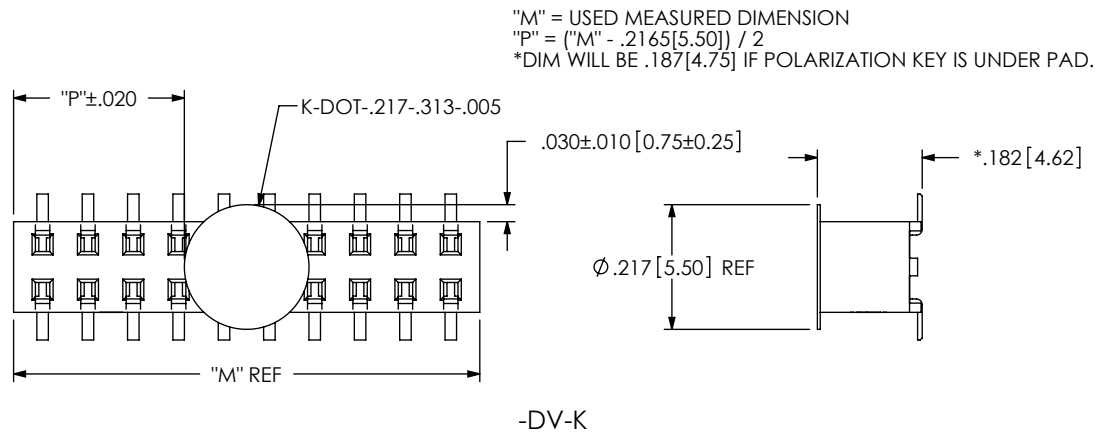
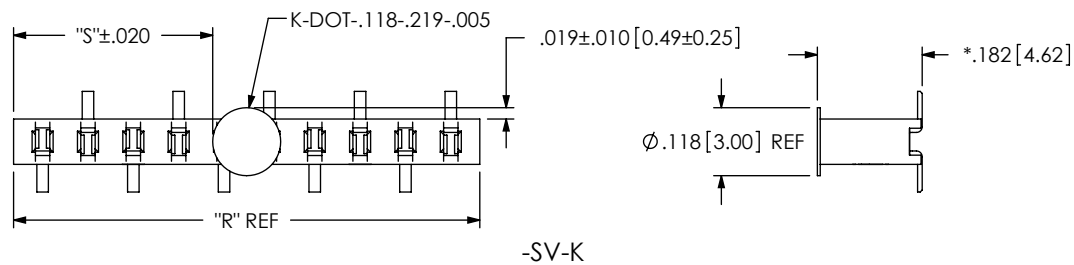
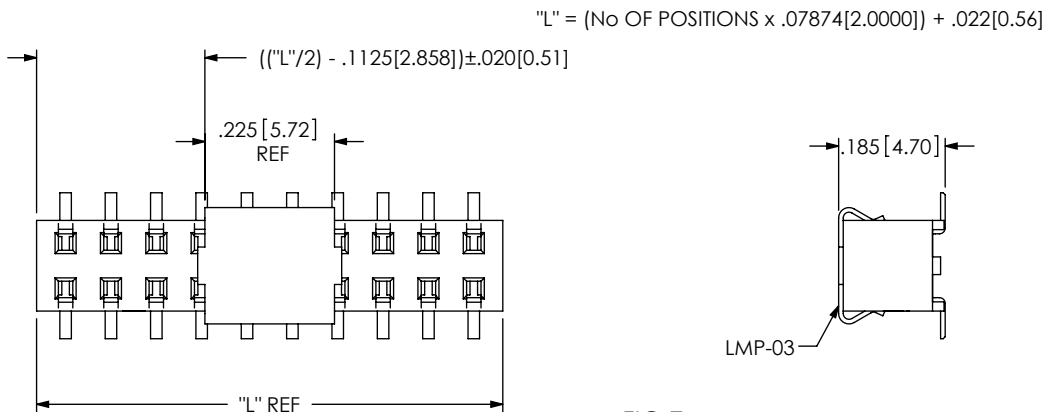


FIG 6
 -K: POLYIMIDE FILM PAD
 ONLY AVAILABLE ON -SV & -DV
 (MMS-140-02-XXX-XV-K SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



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

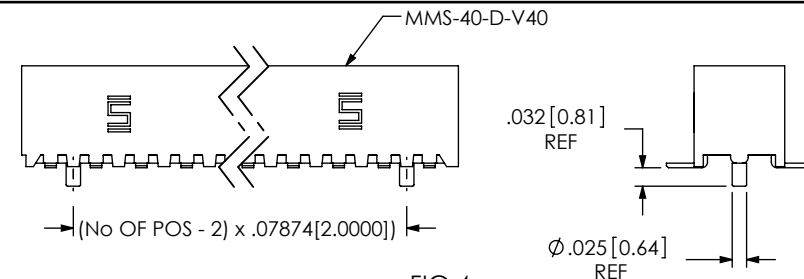


FIG 4
 -A: MOLDED ALIGNMENT PIN
 ONLY AVAILABLE ON -DV
 (MMS-140-02-XXX-DV-A SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

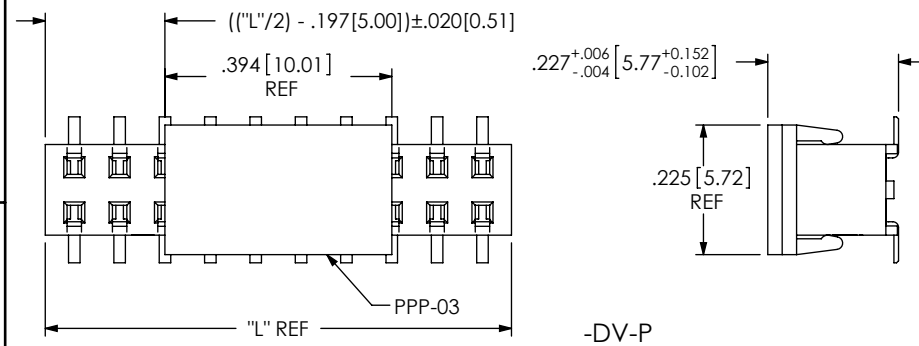
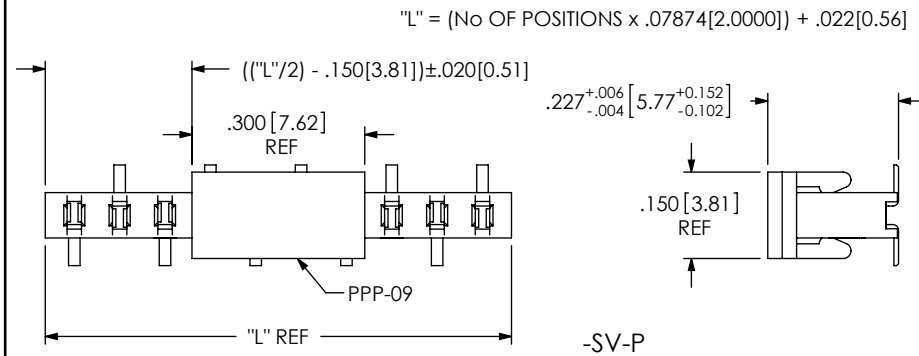


FIG 5
 -P: PICK & PLACE PAD
 ONLY AVAILABLE ON -SV & -DV
 (MMS-140-02-XXX-XV-P SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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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

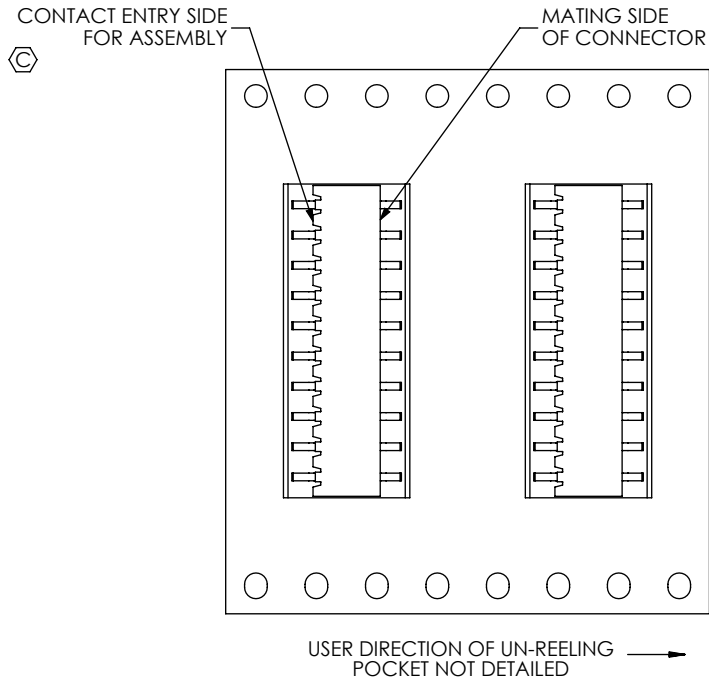
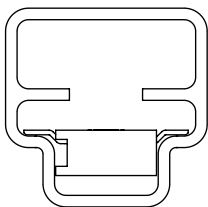
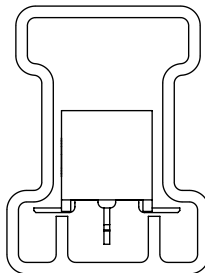


FIG 8
-TR: TAPE & REEL PACKAGING
MMS-110-02-XXX-SH SHOWN FOR ORIENTATION OF -SH & -DH STYLES
(MMS-103-02-X-LC, POS 1 TO FACE ROUND HOLES)

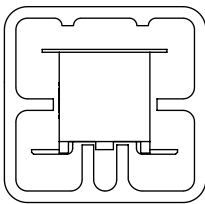
FIG 9
TUBE PACKAGING OPTIONS



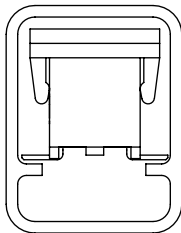
**SH, -SH-LC
**SH STYLE SHOWN



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



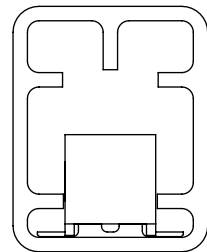
-DV-K, -DV-LC-K, -DV-A-K
-DV-K STYLE SHOWN



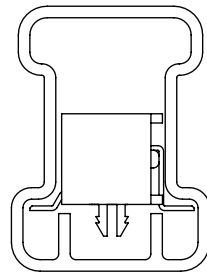
-DV-P, -DV-LC-P, -DV-A-P
-DV-P STYLE SHOWN

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

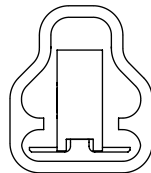
**SEE NOTE 10



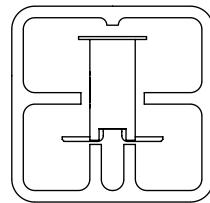
-DV (4 POS ONLY)



-DH-LC



-SV (NOT -02 THRU -04 POS)



-SV-K

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	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