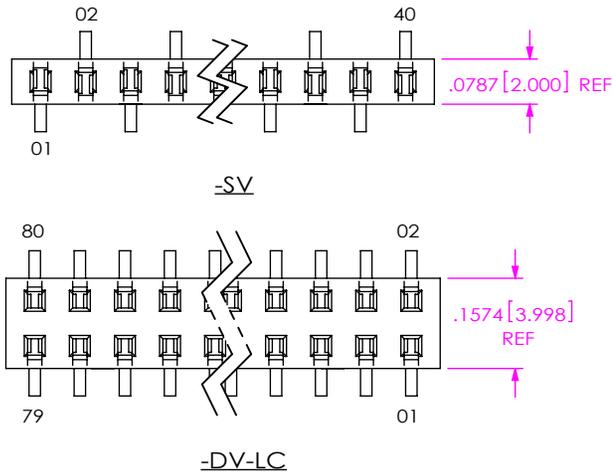


DO NOT SCALE FROM THIS PRINT

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



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
- LT: 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

PACKAGING

- BLANK: TUBES (SEE NOTE 13)
- TR: TAPE & REEL (SEE NOTES 14 & 15) (SEE FIG 8, SHT 4) (AVAILABLE ON 2-36 POS ONLY)
- FR: FULL REEL QTY TAPE & REEL (SEE NOTES 14 & 15) (SEE FIG 8, SHT 4) (AVAILABLE ON 2-36 POS ONLY)

PICK & PLACE PAD

- P: PICK & PLACE PAD (ONLY AVAILABLE ON -SV & -DV, 4 POS MIN) (-SV: USE PPP-09; -DV: USE PPP-03; SEE FIG 5, SHT 3)
- M: METAL PICK & PLACE PAD (ONLY AVAILABLE ON -DV) (USE LMP-03, SEE FIG 7, 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)

POLARIZING OPTION

-XX INDICATES POSITION No (USE PK-02-N)

OPTION

- LC: LOCKING CLIP (NOT AVAILABLE ON -SV) (USE LC-06-TM, SEE FIG 1, FIG 2 & 3, SHT 2 & NOTES 6 & 7)
- A: MOLDED ALIGNMENT PIN (AVAILABLE ON -DV ONLY) (USE MMS-XX-D-VXX, SEE FIG 4, SHT 3)

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

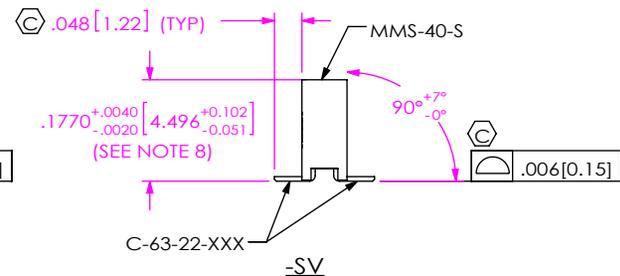
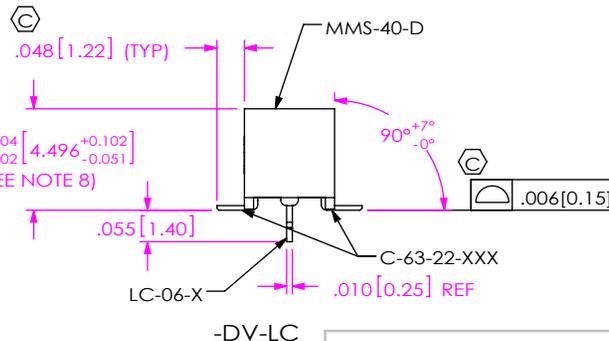
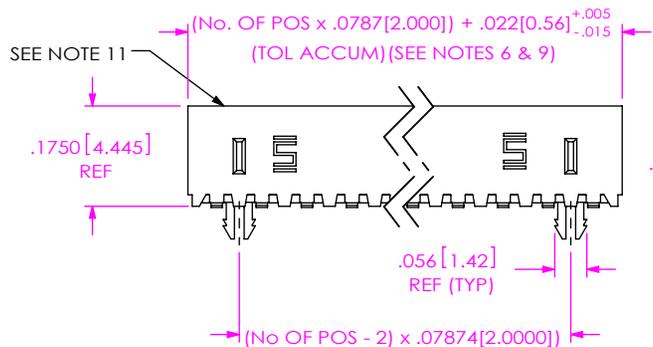
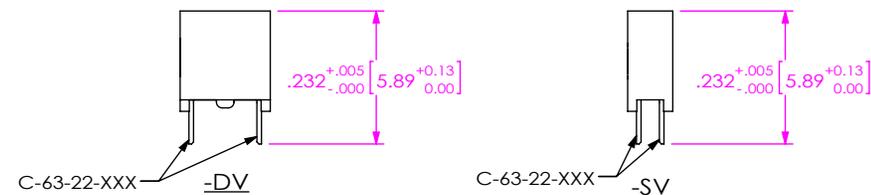


FIG 1
MMS-140-02-XXX-XV-LC SHOWN

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, NO FLASH CAN EXTEND BELOW SOLDER TAILS.
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-02-N TO BE INSERTED FROM THIS SIDE.
12. 4 POSITION PART WITH -P OPTION MUST SHIP IN -TR PACKAGING.
13. TUBES ARE STANDARD PACKAGING.
14. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM
15. ATTACH LABEL TO EACH REEL



IN-PROCESS

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

DECIMALS	ANGLES
.XX: ±.01 [0.3]	2°
.XXX: ±.005 [0.13]	
.XXXX: ±.0020 [0.051]	

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1
INSULATOR: VECTRA E130I, COLOR: BLACK
CONTACT: PHOS BRONZE

DESCRIPTION: 2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM
DWG. NO.

MMS-1XX-02-XXX-XX-XX-XX-X-XX
BY: BRATCHER 04/01/1994 SHEET 1 OF 4



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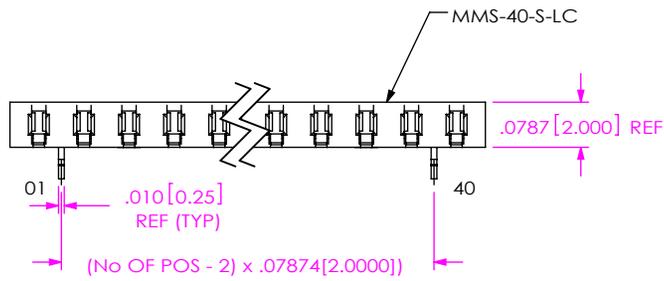


FIG 2
MMS-140-02-XXX-SH-LC SHOWN

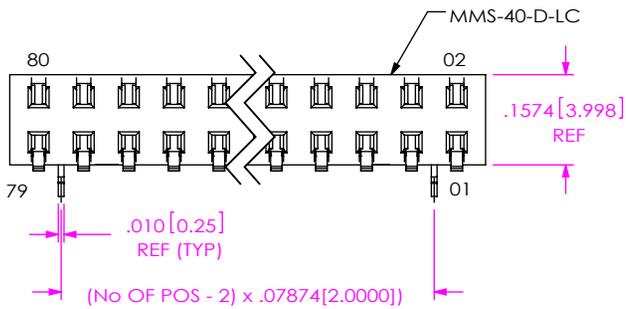
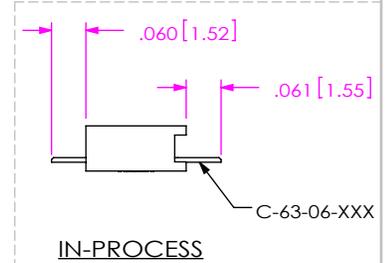
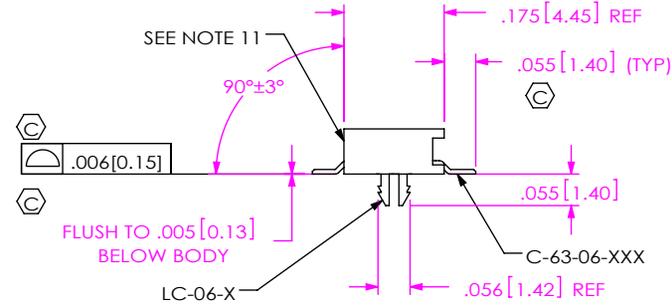
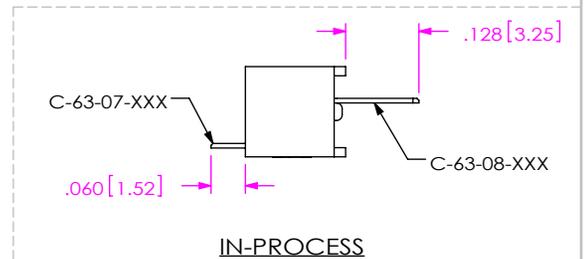
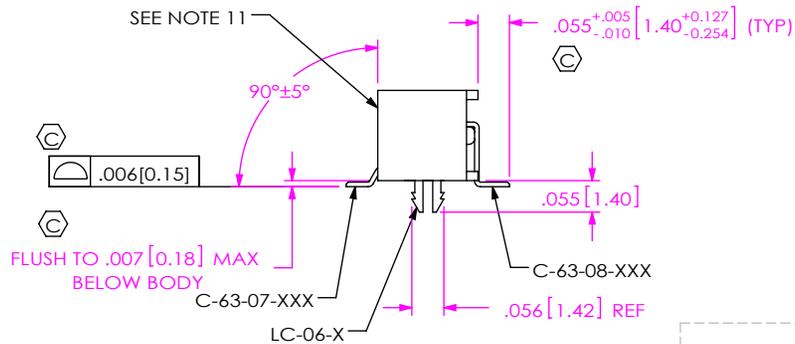


FIG 3
MMS-140-02-XXX-DH-LC SHOWN



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 SHEET SCALE: 3:1

DESCRIPTION:
 2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM
 DWG. NO.
MMS-1XX-02-XXX-XX-XX-XX-X-XX

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

"R" = USED MEASURED DIMENSION
 "S" = ("R" - .118[3.00]) / 2

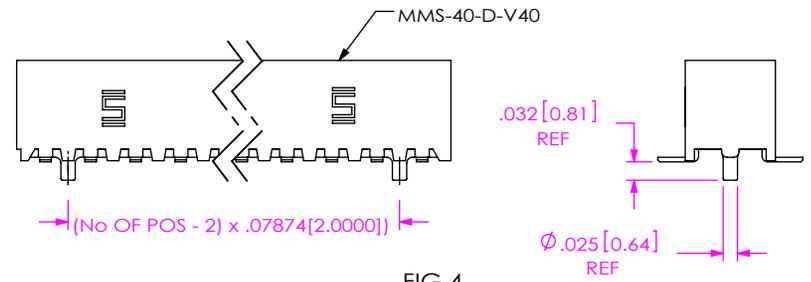
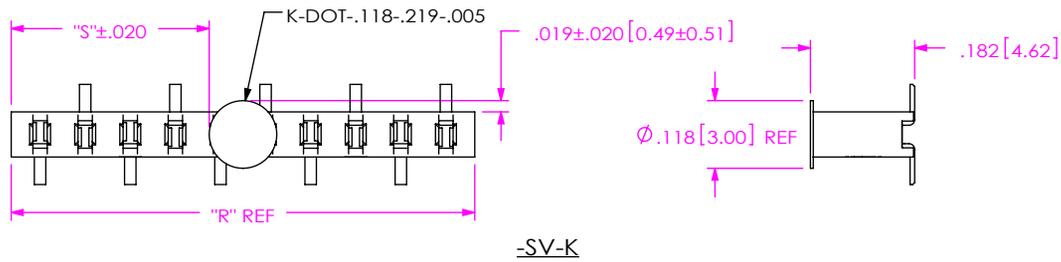


FIG 4
 -A: MOLDED ALIGNMENT PIN
 ONLY AVAILABLE ON -DV
 (MMS-140-02-XXX-DV-A SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

"M" = USED MEASURED DIMENSION
 "P" = ("M" - .2165[5.50]) / 2

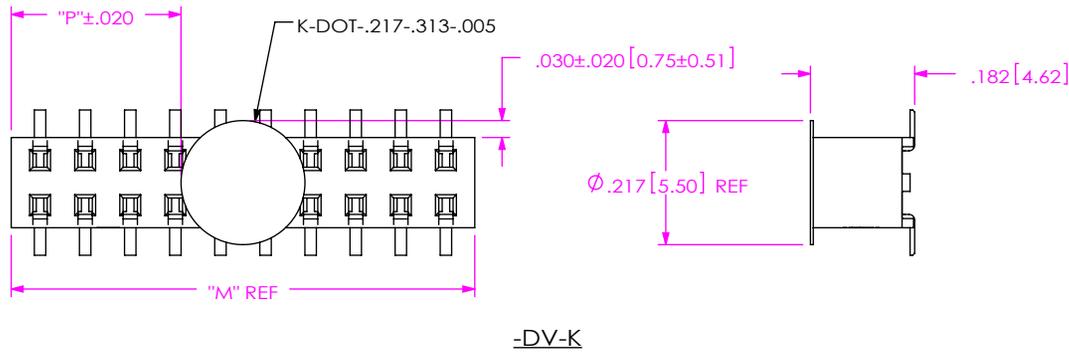


FIG 6
 -K: POLYIMIDE FILM PAD
 ONLY AVAILABLE ON -SV & -DV
 (MMS-140-02-XXX-XV-K SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

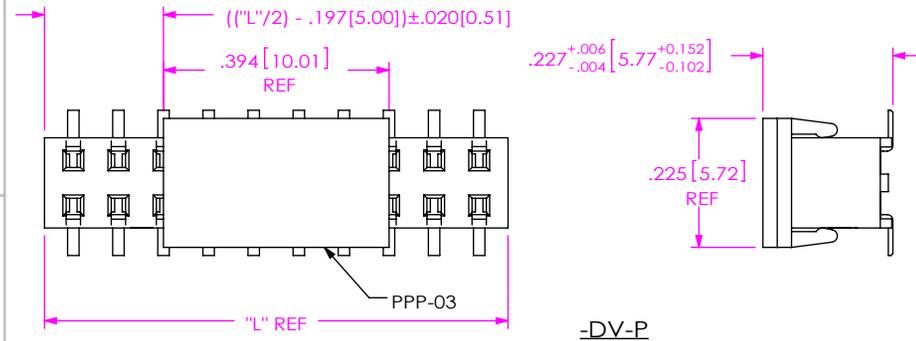
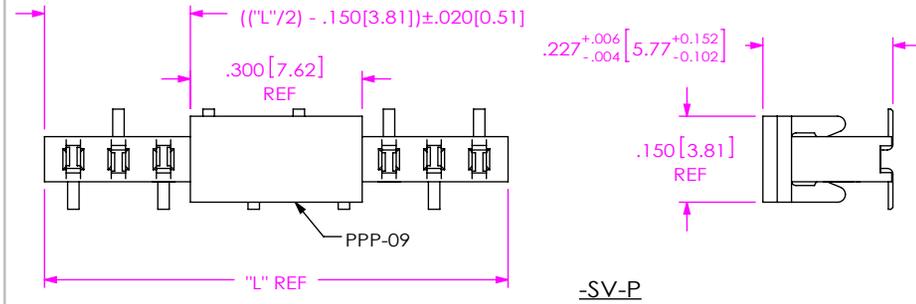


FIG 5
 -P: PICK & PLACE PAD
 ONLY AVAILABLE ON -SV & -DV
 (MMS-140-02-XXX-XV-P SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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

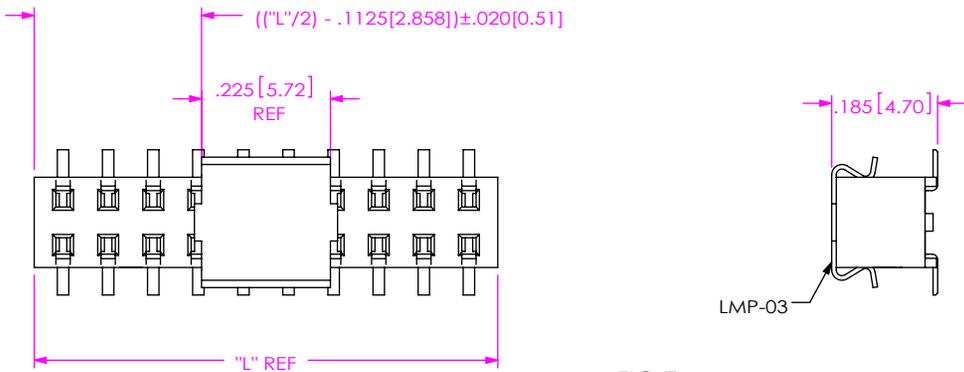


FIG 7
 -M: METAL PICK & PLACE PAD
 ONLY AVAILABLE ON -DV
 (MMS-140-02-XXX-DV-M SHOWN)
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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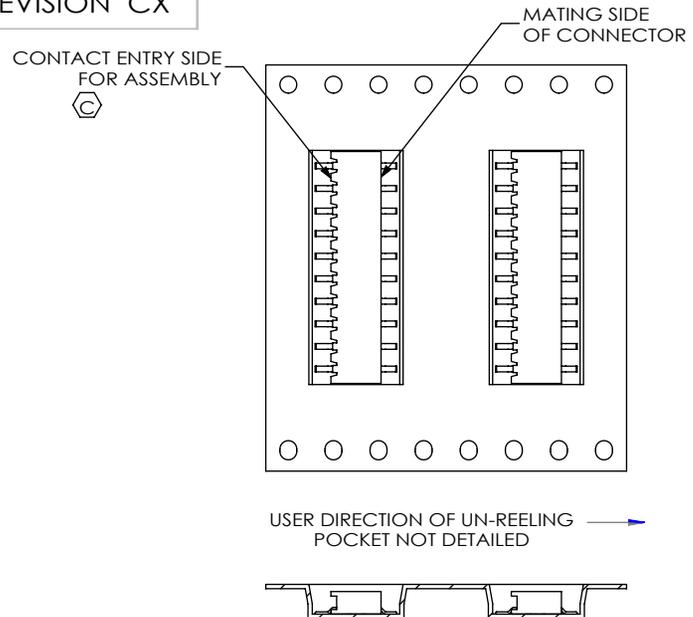
SHEET SCALE: 3:1

DESCRIPTION:
 2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

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

BY: BRATCHER 04/01/1994 SHEET 3 OF 4

REVISION CX



MMS-110-02-XXX-SH SHOWN FOR ORIENTATION OF -SH & -DH STYLES
(MMS-103-02-X-LC, POS 1 TO FACE ROUND HOLES)

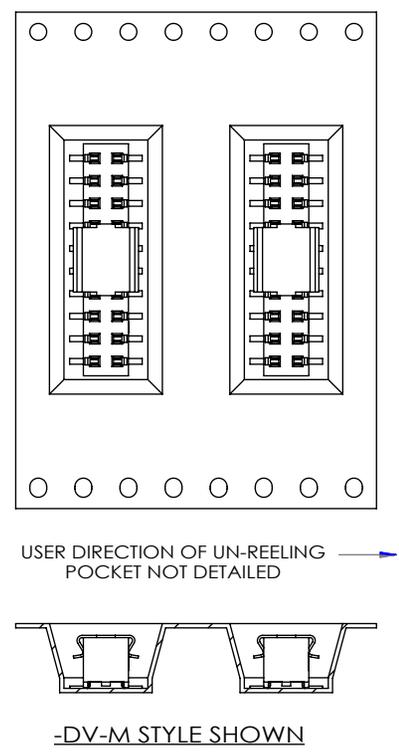
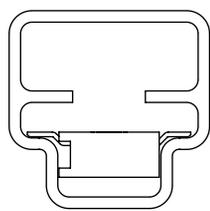
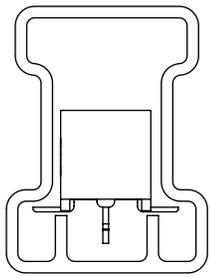


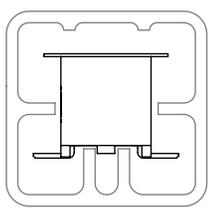
FIG 8
-TR: TAPE & REEL PACKAGING



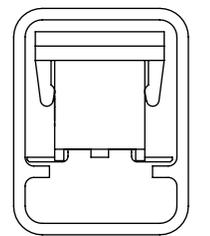
**SH, -SH-LC
**SH STYLE SHOWN



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



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

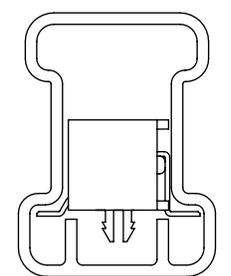


-DV-P, -DV-LC-P, -DV-A-P
-DV-P STYLE SHOWN

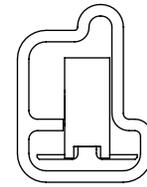
FIG 9
TUBE PACKAGING OPTIONS

TABLE 2 (#1 POSITION TO BE TUBED IN DIRECTION OF ARROW)		
LEAD STYLE	PACKAGING TUBE	PLUG
-DV, -DV-LC, -DV-A	PT-1-24-02-17	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-1-24-13-09	TP-24
-SV-K	PT-1-24-03-63	TP-24

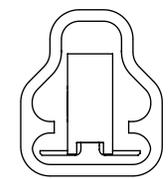
* SEE NOTE 10
*** SEE NOTE 12



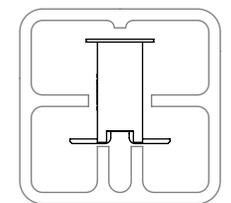
-DH-LC



-SV (-02 THRU -04 POS ONLY)



-SV (NOT -02 THRU -04 POS)



-SV-K

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DESCRIPTION:
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DWG. NO.
MMS-1XX-02-XXX-XX-XX-XX-X-XX
BY: BRATCHER 04/01/1994 SHEET 4 OF 4