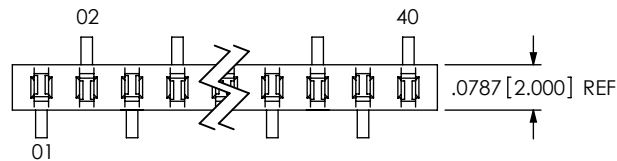
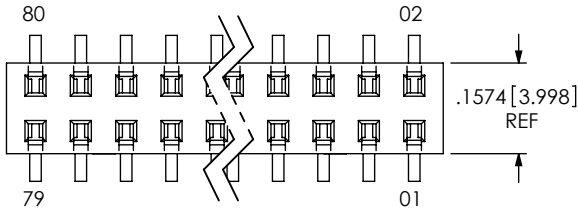


DO NOT  
SCALE FROM  
THIS PRINT


-SV



-DV-LC

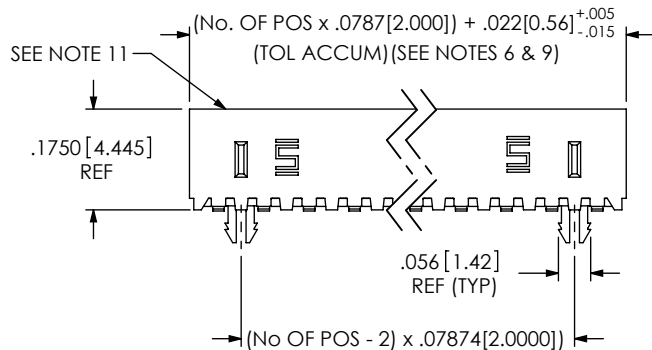


FIG 1  
MMS-140-02-XXX-XV-LC SHOWN

## 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 ASSEMBLIES TO TABLE 2, REGARDLESS OF POSITION.
11. PK-02-N TO BE INSERTED FROM THIS SIDE.

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

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

LEAD STYLE  
-02: SURFACE MOUNT

POLARIZING OPTION  
-XXX INDICATES POSITION No  
(USE PK-02-N)

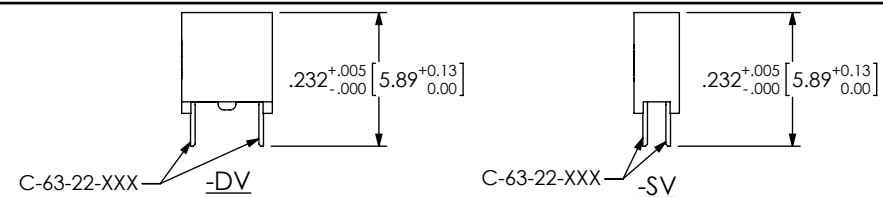
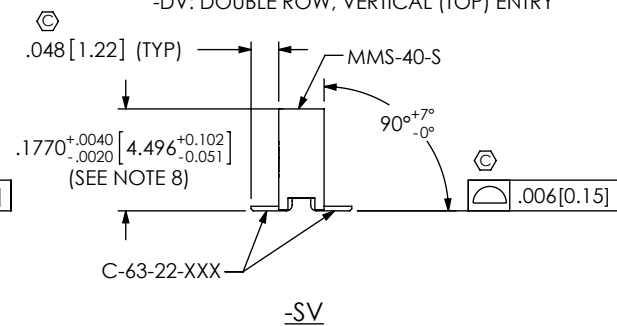
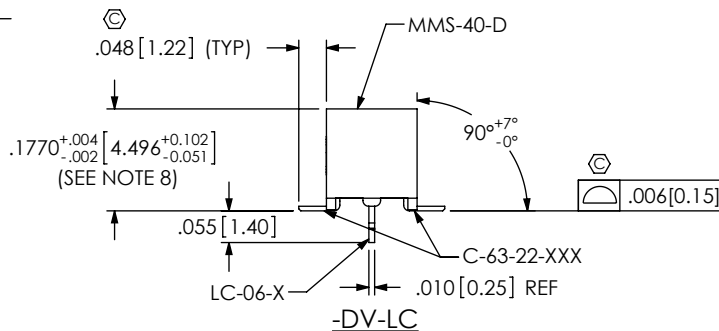
## OPTION

- LC: LOCKING CLIP  
(NOT AVAILABLE ON -SV)  
(USE LC-06-TM, SEE FIG 1,  
FIG 2 & 3, SHT 2 & NOTES 6 & 7)
- 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)
- 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

\*\* = AVAILABLE TO EXISTING CUSTOMERS ONLY



IN-PROCESS

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 SHEET SCALE: 3:1

INSULATOR: VECTRA E130I, COLOR: BLACK  
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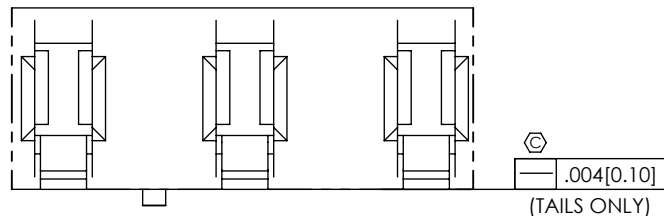
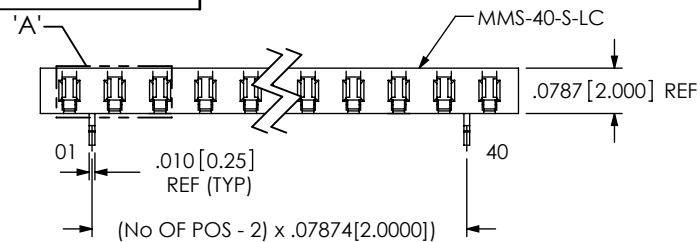
2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

DWG. NO.

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

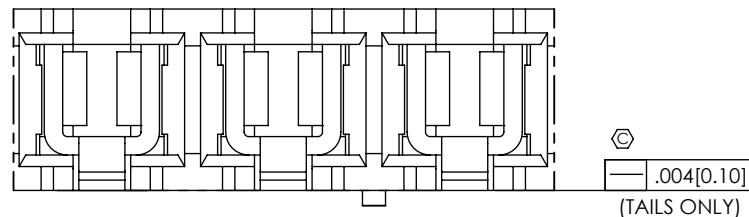
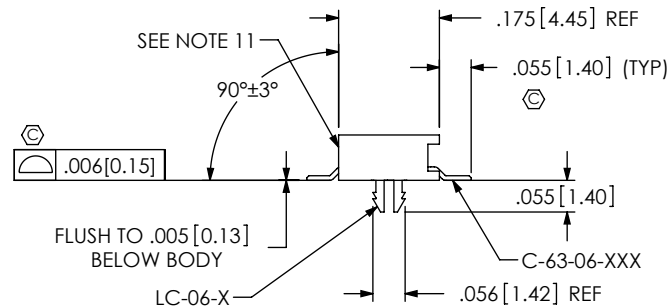
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# REVISION CQ

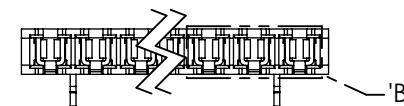


DETAIL 'A'  
SCALE 12 : 1

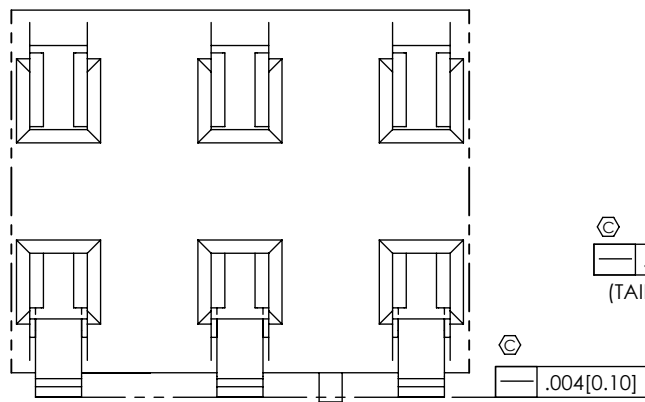
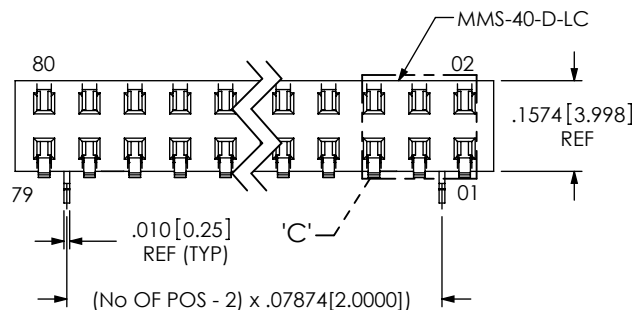
FIG 2  
MMS-140-02-XXX-SH-LC SHOWN



DETAIL 'B'  
SCALE 12 : 1

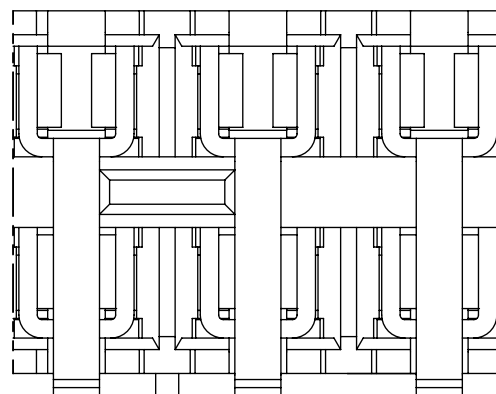
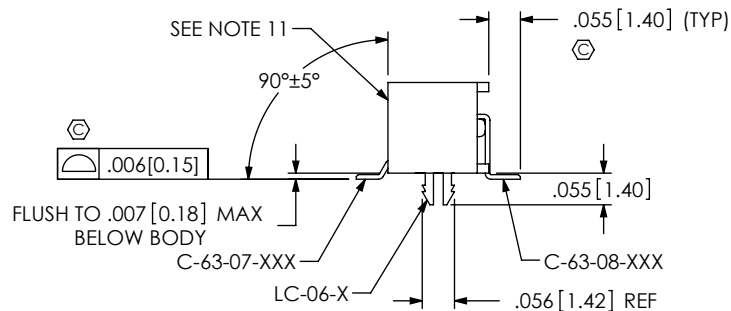


IN-PROCESS

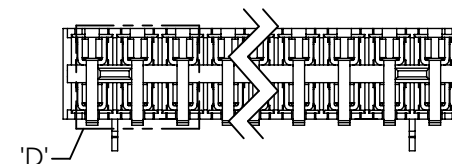


DETAIL 'C'  
SCALE 12 : 1

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



DETAIL 'D'  
SCALE 12 : 1



IN-PROCESS

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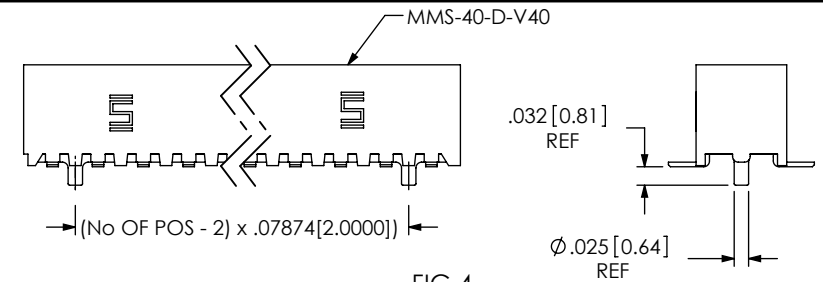
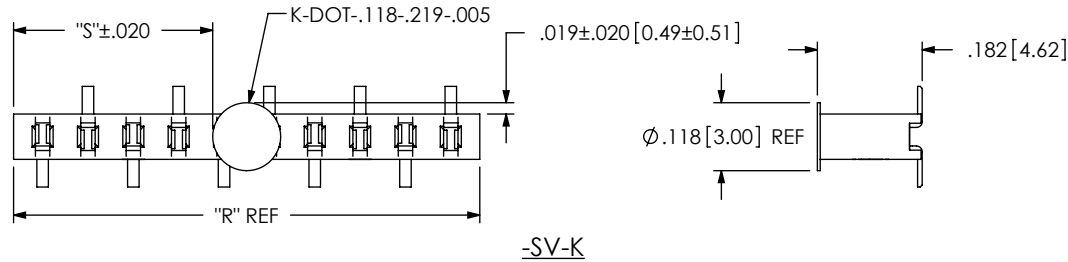
DESCRIPTION:  
2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

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

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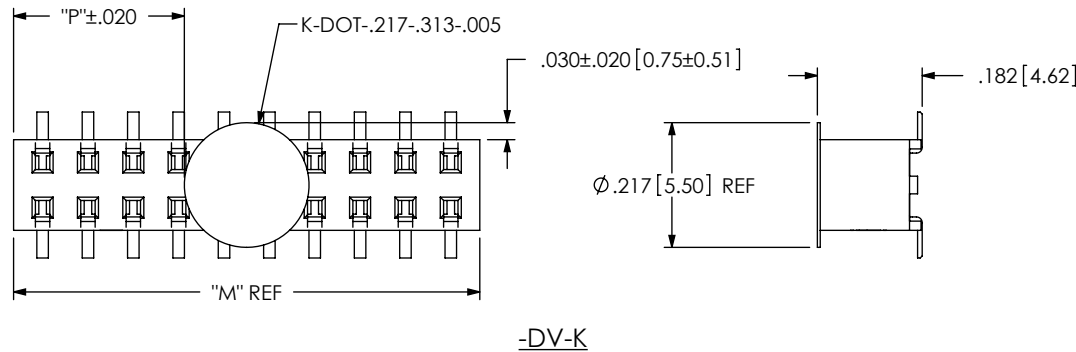
# REVISION CQ

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



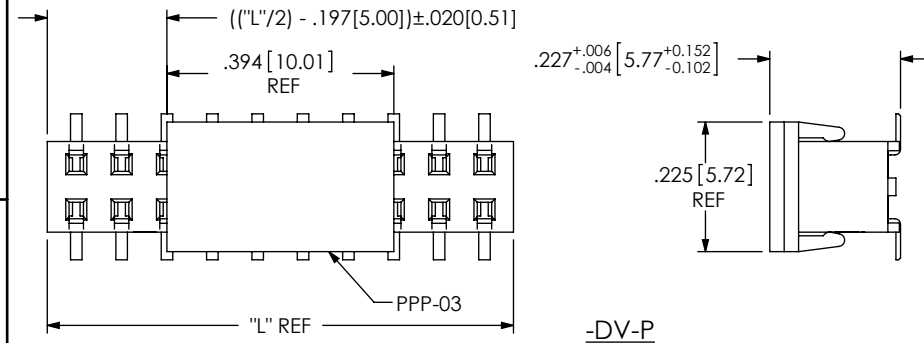
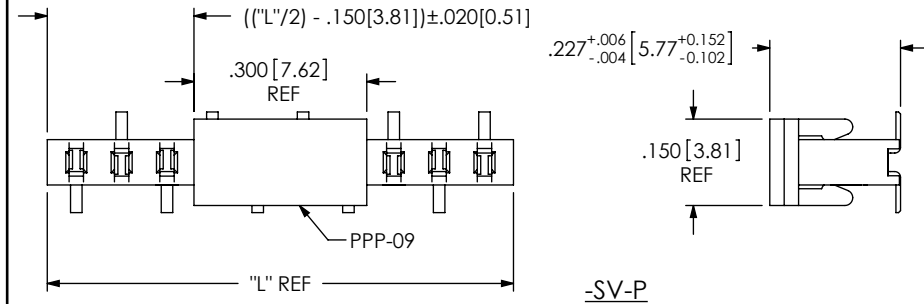
**FIG 4**  
 -A: MOLDED ALIGNMENT PIN  
 ONLY AVAILABLE ON -DV  
 (MMS-140-02-XXX-DV-A SHOWN)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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



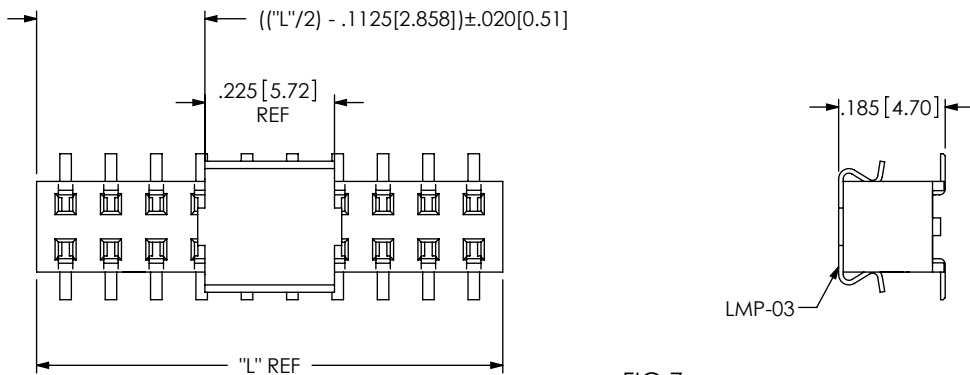
**FIG 6**  
 -K: POLYIMIDE FILM PAD  
 ONLY AVAILABLE ON -SV & -DV  
 (MMS-140-02-XXX-XV-K SHOWN)  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

"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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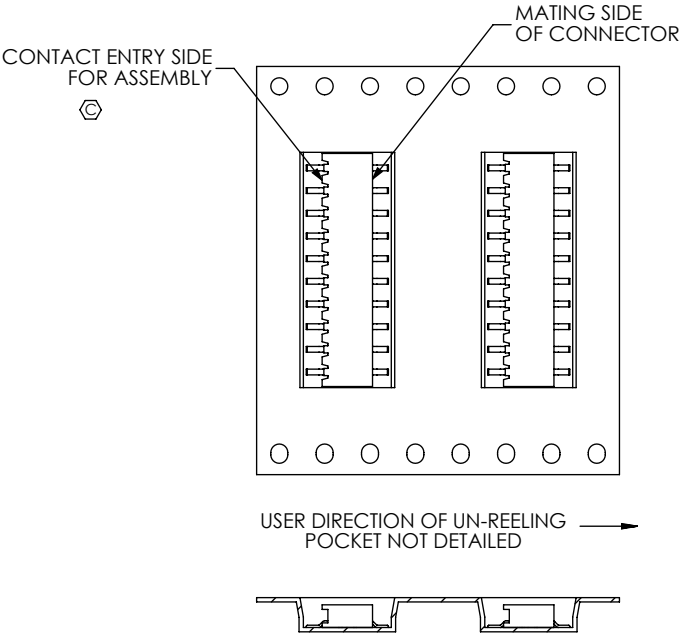
SHEET SCALE: 3:1

DESCRIPTION:  
 2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM

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

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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)

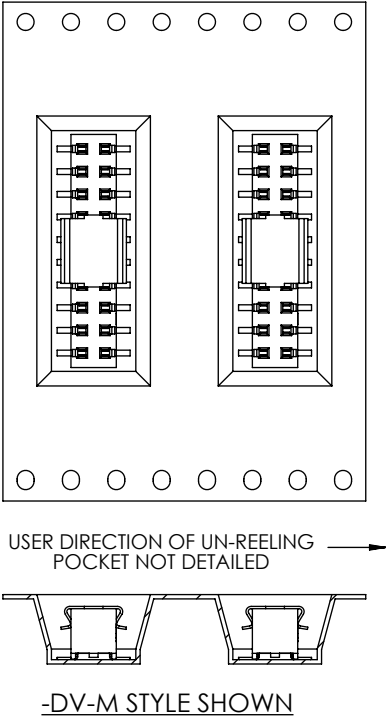
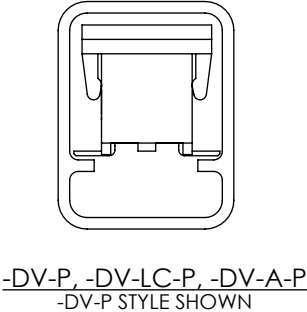
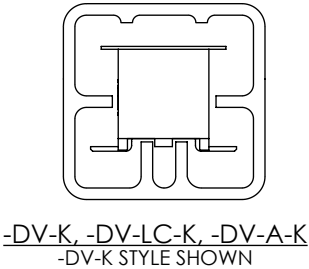
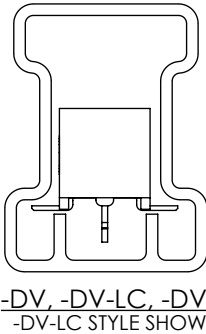
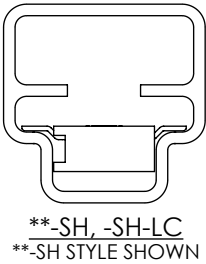
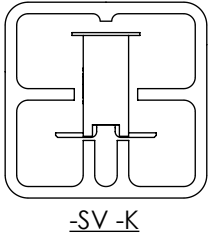
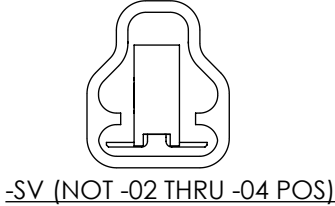
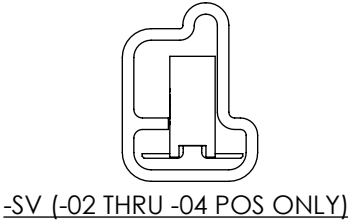
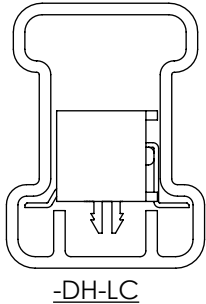


FIG 9  
TUBE PACKAGING OPTIONS



| TABLE 2 (#1 POSITION TO BE TUBED IN DIRECTION OF ARROW) |                |       |
|---------------------------------------------------------|----------------|-------|
| LEAD STYLE                                              | PACKAGING TUBE | PLUG  |
| -DV, -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



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