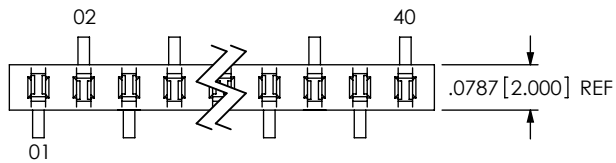
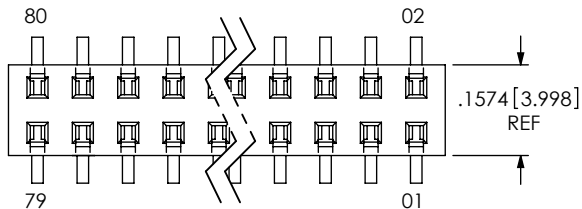


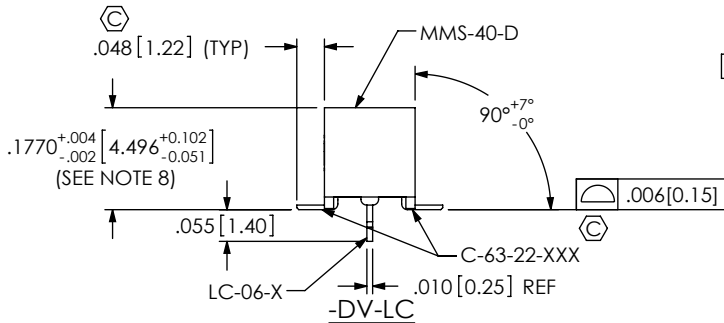
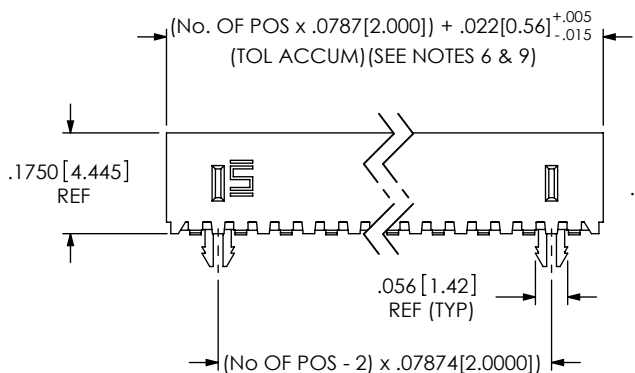
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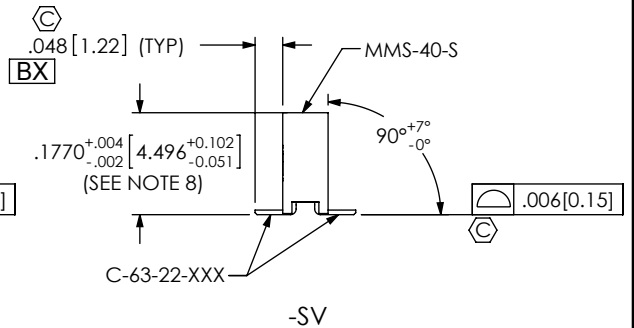
-SV



-DV-LC

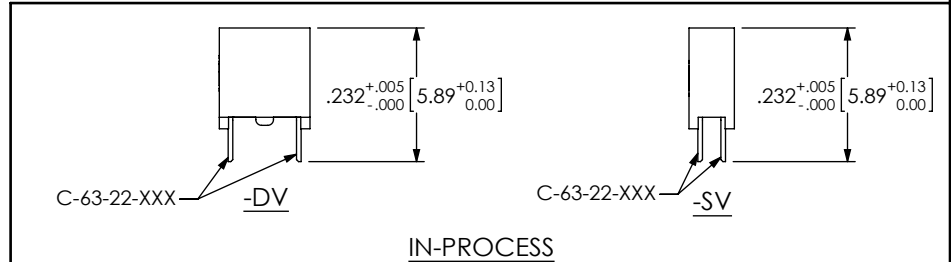


-DV-LC



-SV

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



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

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-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-XXX, SEE FIG 4, SHT 2)
- K: POLYIMIDE FILM PAD
(AVAILABLE ONLY ON -SV, 3 POS MIN &
-DV, 4 POS MIN)
(USE K-500-300, SEE FIG 6, SHT 3)
- TR: TAPE & REEL PACKAGING
(SEE FIG 8, 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

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.
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.

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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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:1	DESCRIPTION: 2mm SURFACE MOUNT BOX CONNECTOR STRIP ASM
INSULATOR: VECTRA E130I, COLOR: BLACK CONTACT: PHOS BRONZE	DWG. NO. MMS-1XX-02-XXX-XX-XX-XXX
	BY: BRATCHER 04/01/1994 SHEET 1 OF 4

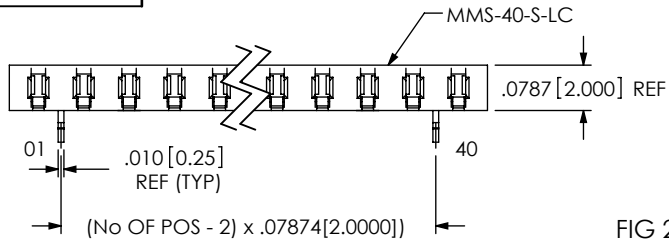


FIG 2
MMS-140-02-XXX-SH-LC SHOWN

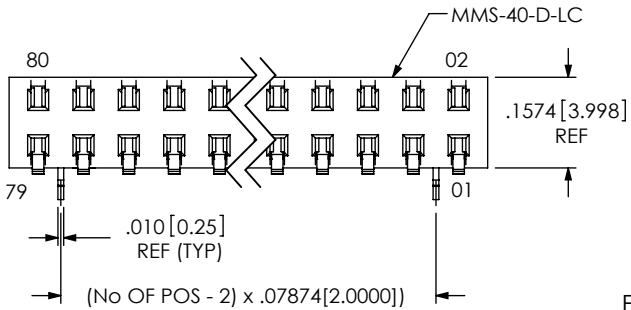
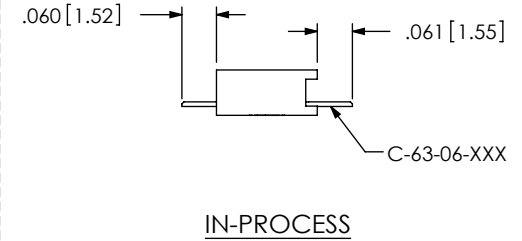
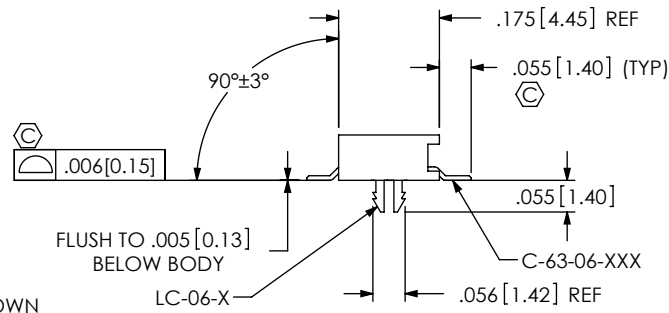
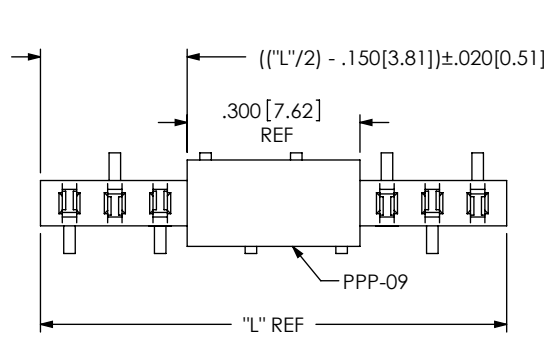
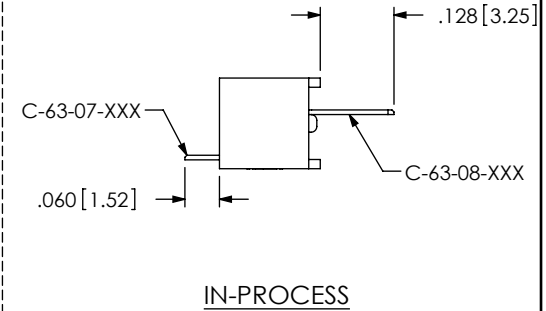
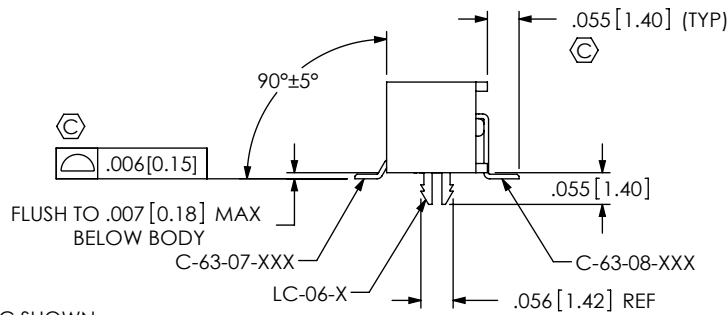
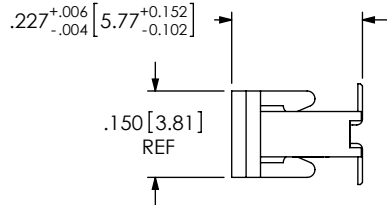


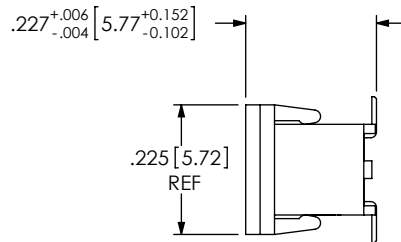
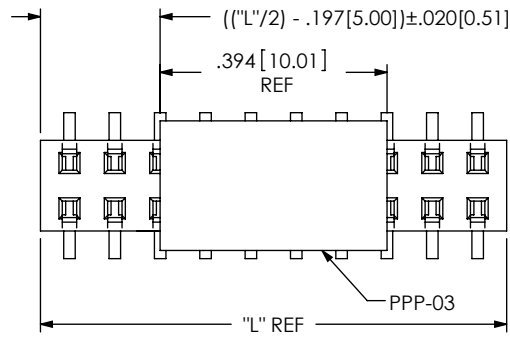
FIG 3
MMS-140-02-XXX-DH-LC SHOWN



"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
SAME AS FIG 1, EXCEPT AS SHOWN

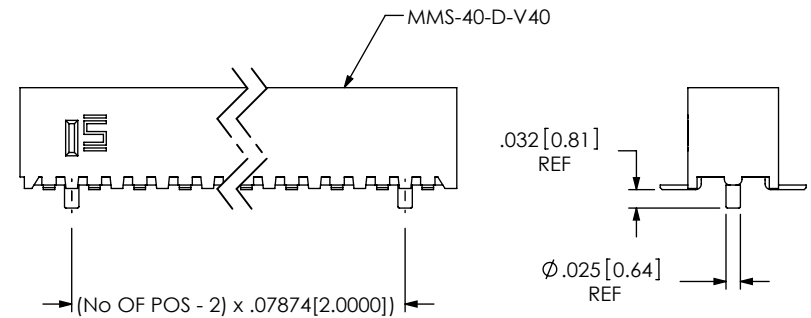


FIG 4
-A: MOLDED ALIGNMENT PIN
ONLY AVAILABLE ON -DV
MMS-140-02-XXX-DV-A SHOWN
SAME AS FIG 1, EXCEPT AS SHOWN

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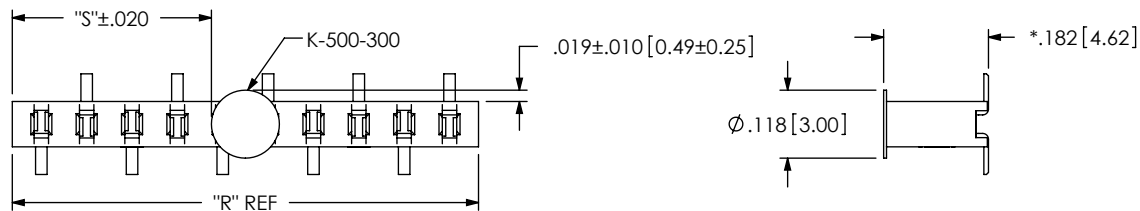
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DWG. NO.
MMS-1XX-02-XXX-XX-XX-XXX

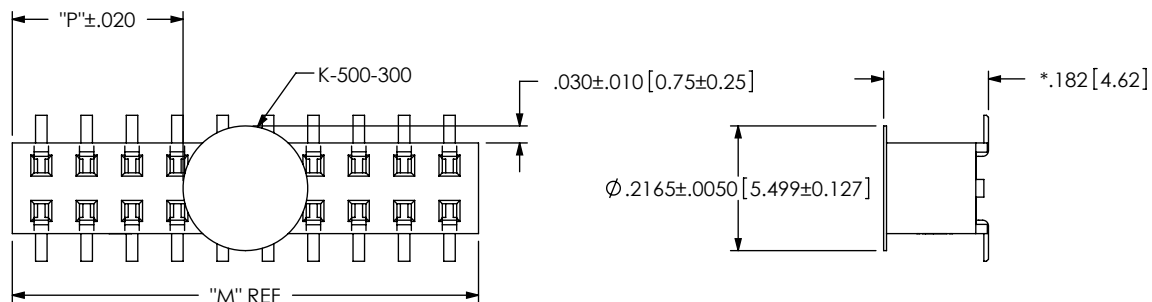
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"R" = USED MEASURED DIMENSION
 "S" = ("R" - .118[3.00]) / 2
 *DIM WILL BE .187[4.75] IF POLARIZATION KEY IS UNDER PAD.



-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
 SAME AS FIG 1, EXCEPT AS SHOWN

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

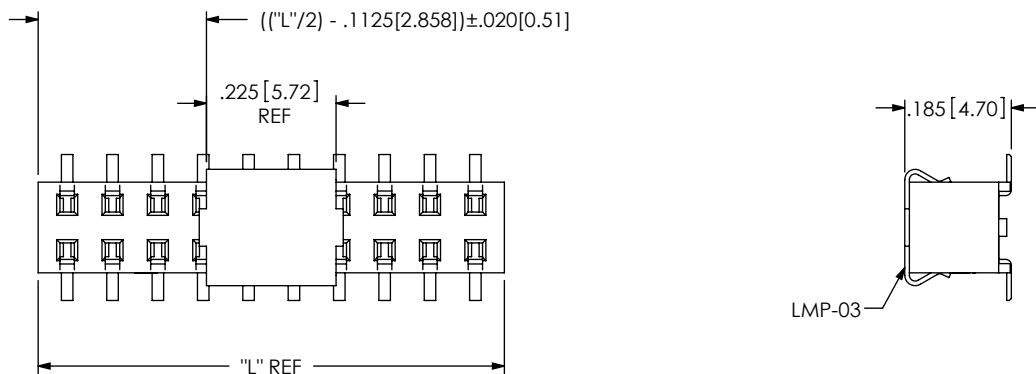


FIG 7
 -M: METAL PICK & PLACE PAD
 ONLY AVAILABLE ON -DV
 MMS-140-02-XXX-DV-M SHOWN
 SAME AS FIG 1, EXCEPT AS SHOWN

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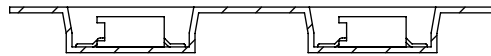
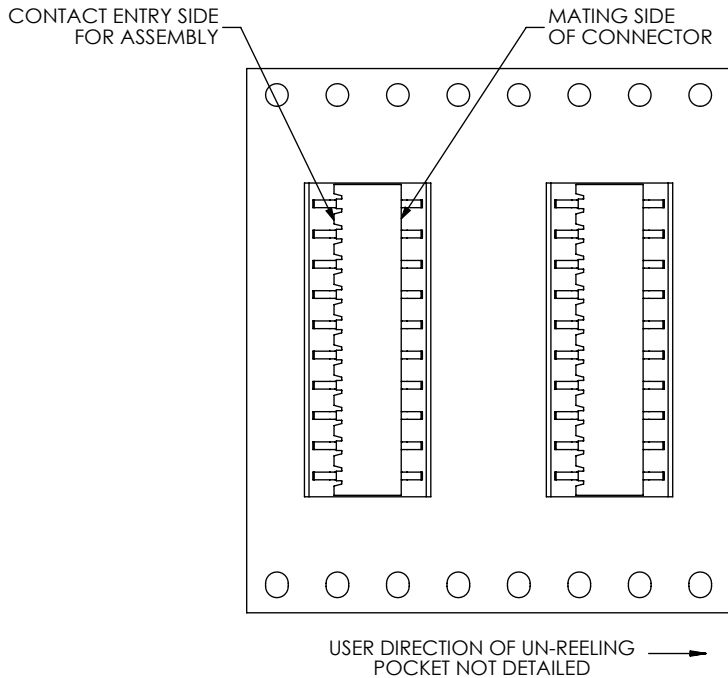
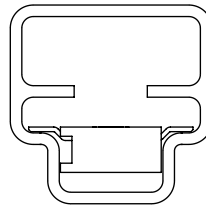
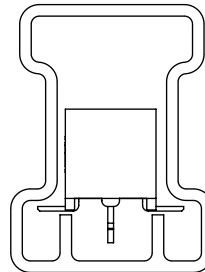


FIG 8
 -TR: TAPE & REEL PACKAGING
 MMS-110-02-XXX-SH SHOWN FOR ORIENTATION OF -SH & -DH STYLES
 (MMS-103-02-X-LC, POS 1 TO FACE ROUND HOLES)

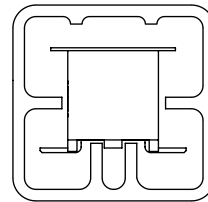
FIG 9
 TUBE PACKAGING OPTIONS



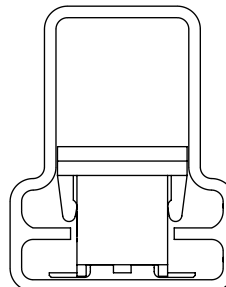
**** -SH, -SH-LC**
**** -SH STYLE SHOWN**



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



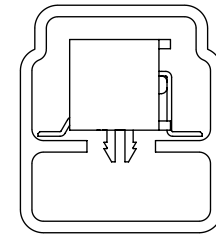
-DV-K, -DV-LC-K, -DV-A-K
-DV-K STYLE SHOWN



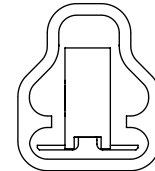
-DV-P, -DV-LC-P, -DV-A-P
-DV-P STYLE SHOWN

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-1-24-03-15	TP-03
** -SH, -SH-LC	PT-1-24-02-16	TP-24
-DH	PT-1-24-03-16	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-24-02
-SV-P	PT-1-24-02-16	TP-24
-SV-K	PT-1-24-03-63	TP-24

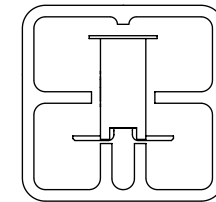
**SEE NOTE 10



-DH-LC



-SV (NOT -02 THRU -04 POS)



-SV -K

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