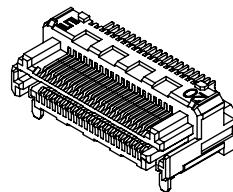
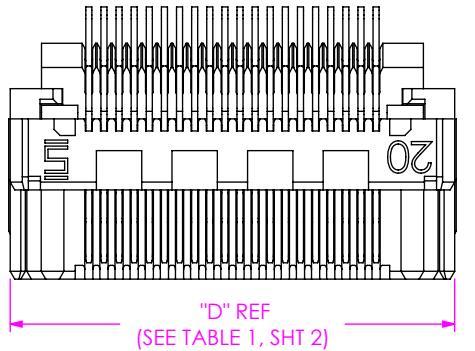


DO NOT  
SCALE FROM  
THIS PRINTDESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]NO OF POSITIONS  
-05, -10, -20, -30, -40, -50LEAD STYLE  
-01: RIGHT ANGLE ONLY  
-L1: LUBRICATED  
(SEE TABLE 2, SHT 5)  
(SEE NOTE 11)

## PLATING SPECIFICATION

- L: 10 $\mu$ " LIGHT SELECTIVE GOLD ON CONTACT AREA, MATTE TIN ON TAIL
- F: 3 $\mu$ " FLASH SELECTIVE GOLD ON CONTACT AREA, MATTE TIN ON TAIL
- S: 30 $\mu$ " FLASH SELECTIVE GOLD ON CONTACT AREA, MATTE TIN ON TAIL
- H: 30 $\mu$ " HEAVY GOLD ON CONTACT AREA, 3 $\mu$ " GOLD ON TAIL
- LTL: 10 $\mu$ " LIGHT SELECTIVE GOLD ON CONTACT AREA, LEAD TIN ON TAIL

TAPE &amp; REEL (SEE NOTES 6 &amp; 9)

-TR: TAPE &amp; REEL

-FR: FULL REEL QTY. TAPE &amp; REEL

## OPTION

-K: POLYAMIDE FILM  
(USE K-DOT-177-281-005)  
(NOT AVAILABLE WITH -05 POS  
WHEN -N OPTION SELECTED)

## SHIELD

-S: WITH SHIELD  
-N: WITHOUT SHIELD

## TAIL OPTION

-DH: RIGHT ANGLE

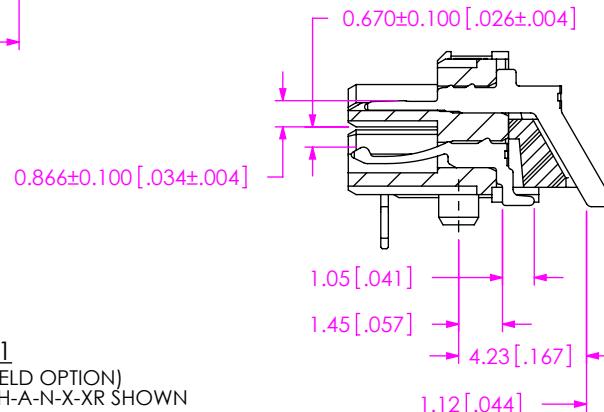
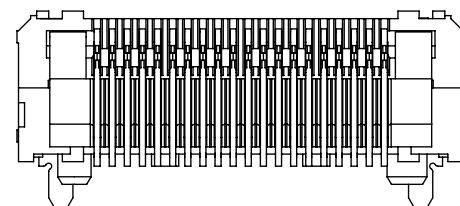
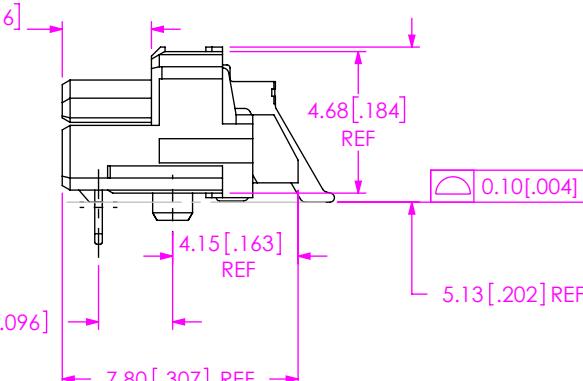
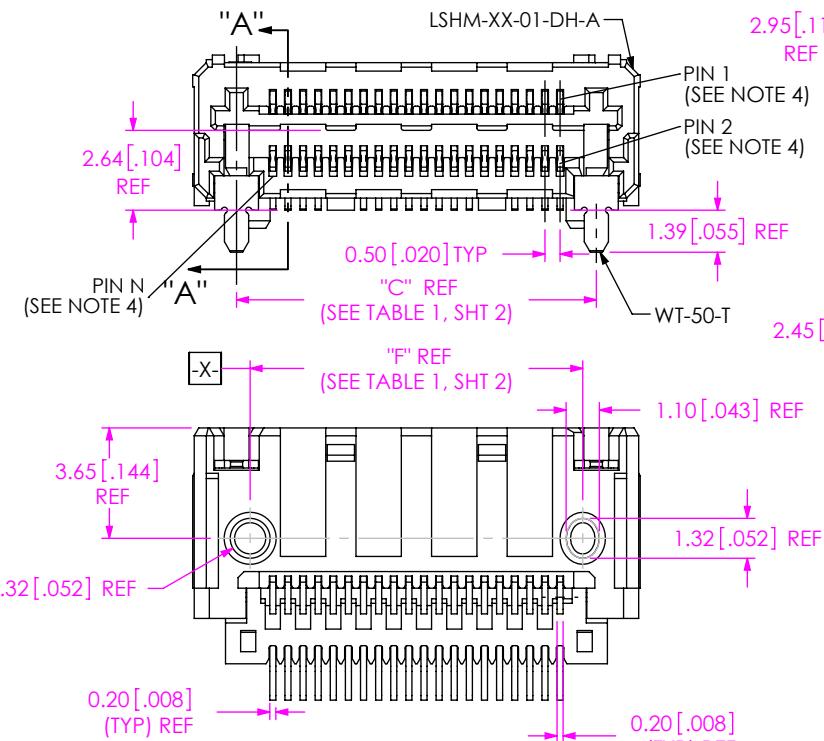


FIG 1  
(WITHOUT SHIELD OPTION)  
LSHM-1XX-X1-XXX-DH-A-N-X-XR SHOWN

NOTES:

- ① REPRESENTS A CRITICAL DIMENSION.
- REFER TO COMPONENT PRINTS FOR MAX BURR ALLOWANCE.
- MINIMUM PUSHOUT FORCE: BOTH CONTACT AND WELD TAB ARE 2.22 N [.5 LBS].
- WHEN MATING WITH ANOTHER LSHM-DH, PIN 01 WILL MATE WITH CONTACT 02 ON MATING CONNECTOR. WHEN MATING WITH A LSHM-DV, PIN 01 WILL MATE WITH PIN N, WHERE N=TOTAL NUMBER OF POSITIONS MULTIPLY BY TWO.
- MEASURE FROM TOP OF VERTICAL WALL.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- FOR APPLICATIONS REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT [IPG@SAMTEC.COM](mailto:IPG@SAMTEC.COM).
- USE -Z- DATUM ZONE ONLY FOR MEASUREMENTS.
- ATTACH LABEL TO EACH REEL.
- IT NEEDS TO INSPECT BOTTOM ROW CONTACTS, TOP ROW CONTACTS, TWO WELD TAB WT-135-X.
- CLEANING OF THE CONNECTOR MAY REMOVE LUBRICANT.  
MASKING OF THE CONNECTOR CONTACTS IS RECOMMENDED PRIOR TO ANY WASH/CLEANING PROCESS.

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN  
MILLIMETERS [INCHES].  
TOLERANCES ARE:  
DECIMALS ANGLES  
X.X: ±0.3 [.01] 2°  
X.XX: ±0.13 [.005]  
X.XXX: ±0.051 [.0020]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.2  
INSULATOR: BLACK, LCP, UL 94 V0  
TERMINAL: PHOS BRONZE  
SHIELD: STAINLESS STEEL  
WELD TAB: COPPER

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

DESCRIPTION: 0.50mm TERMINAL/SOCKET COMBO  
DWG. NO. LSHM-1XX-XX-XXX-DH-A-X-X-X-XR  
BY: AGEN H 10/30/2008 SHEET 1 OF 5

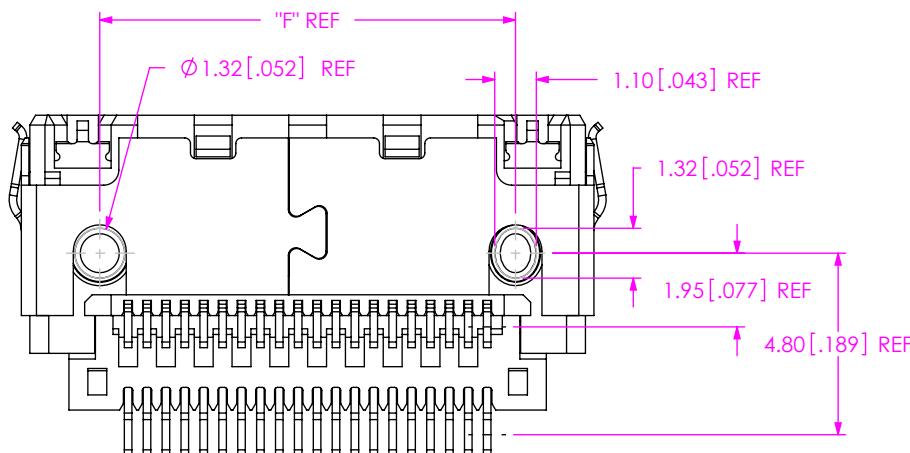
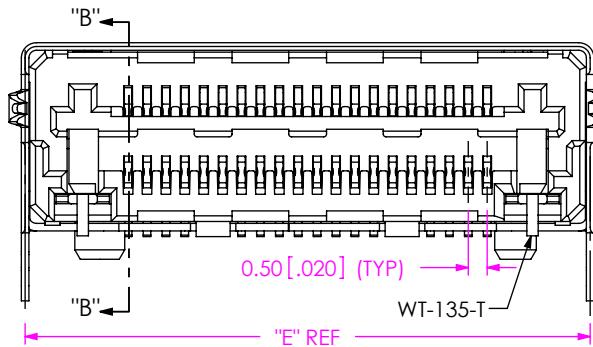
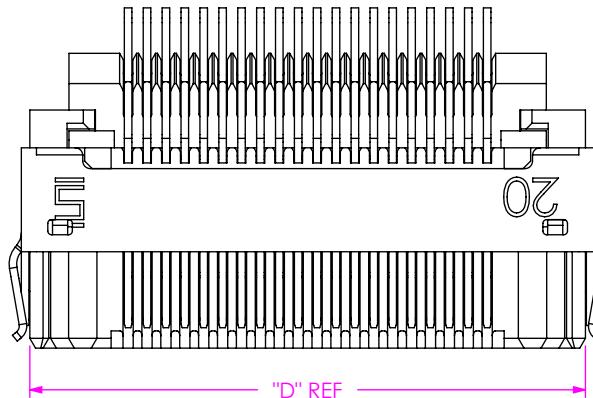
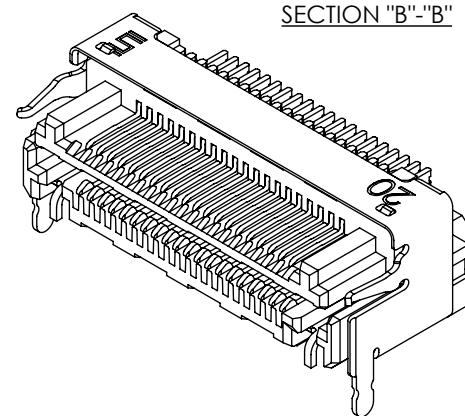
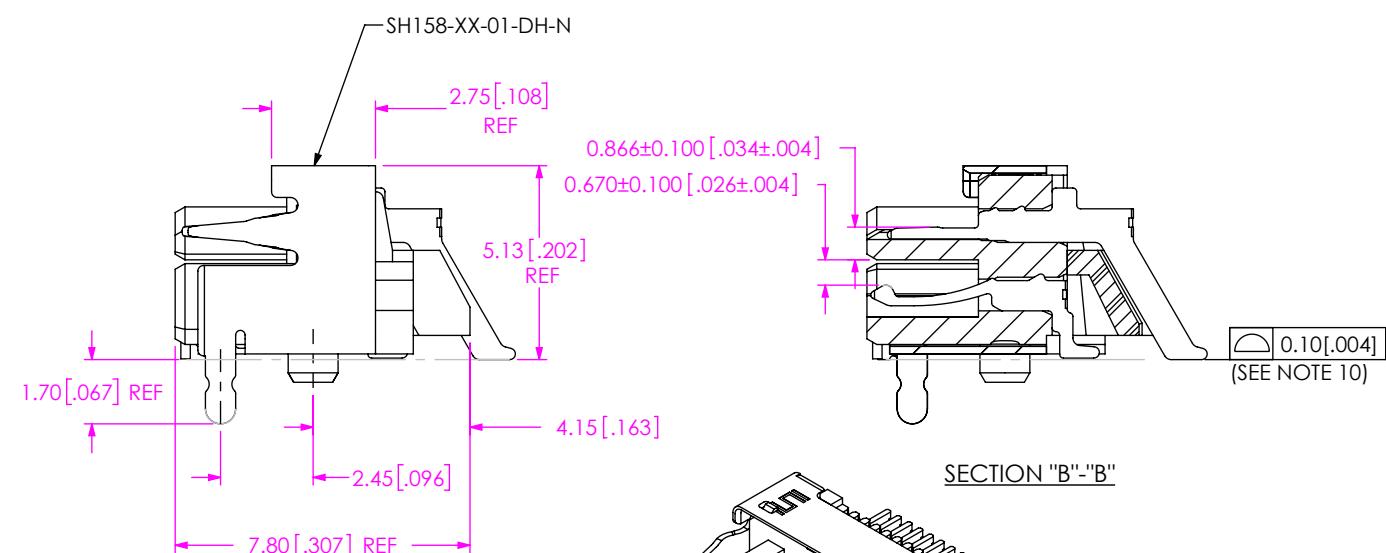


FIG 2  
(SHIELD OPTION)  
LSHM-1XX-X1-XXX-DH-A-S-X-XR SHOWN

TABLE 1

No OF POS	"C"	"D"	"E"	"F"	"G"
-05	4.40 [0.173]	7.20 [0.283]	7.45 [0.293]	3.50 [0.138]	1.35 [0.053]
-10	6.90 [0.272]	9.70 [0.382]	9.95 [0.392]	6.00 [0.236]	2.60 [0.102]
-20	11.90 [0.469]	14.70 [0.579]	14.95 [0.589]	11.00 [0.433]	5.10 [0.201]
-30	16.90 [0.665]	19.70 [0.776]	19.95 [0.785]	16.00 [0.630]	7.60 [0.299]
-40	21.90 [0.862]	24.70 [0.972]	24.95 [0.982]	21.00 [0.827]	10.10 [0.398]
-50	26.90 [1.059]	29.70 [1.169]	29.95 [1.179]	26.00 [1.024]	12.60 [0.496]



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e-Mail: info@SAMTEC.com code 55322

**Samtec**

DESCRIPTION: 0.50mm TERMINAL/SOCKET COMBO  
DWG. NO.  
LSHM-1XX-XX-XXX-DH-A-X-X-XR  
BY: AGEN H 10/30/2008 SHEET 2 OF 5

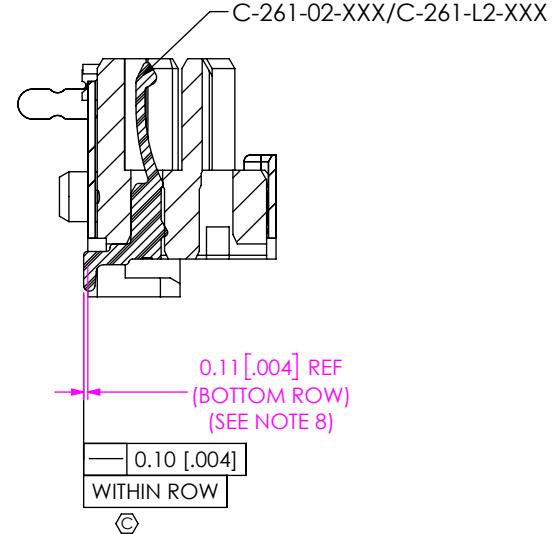
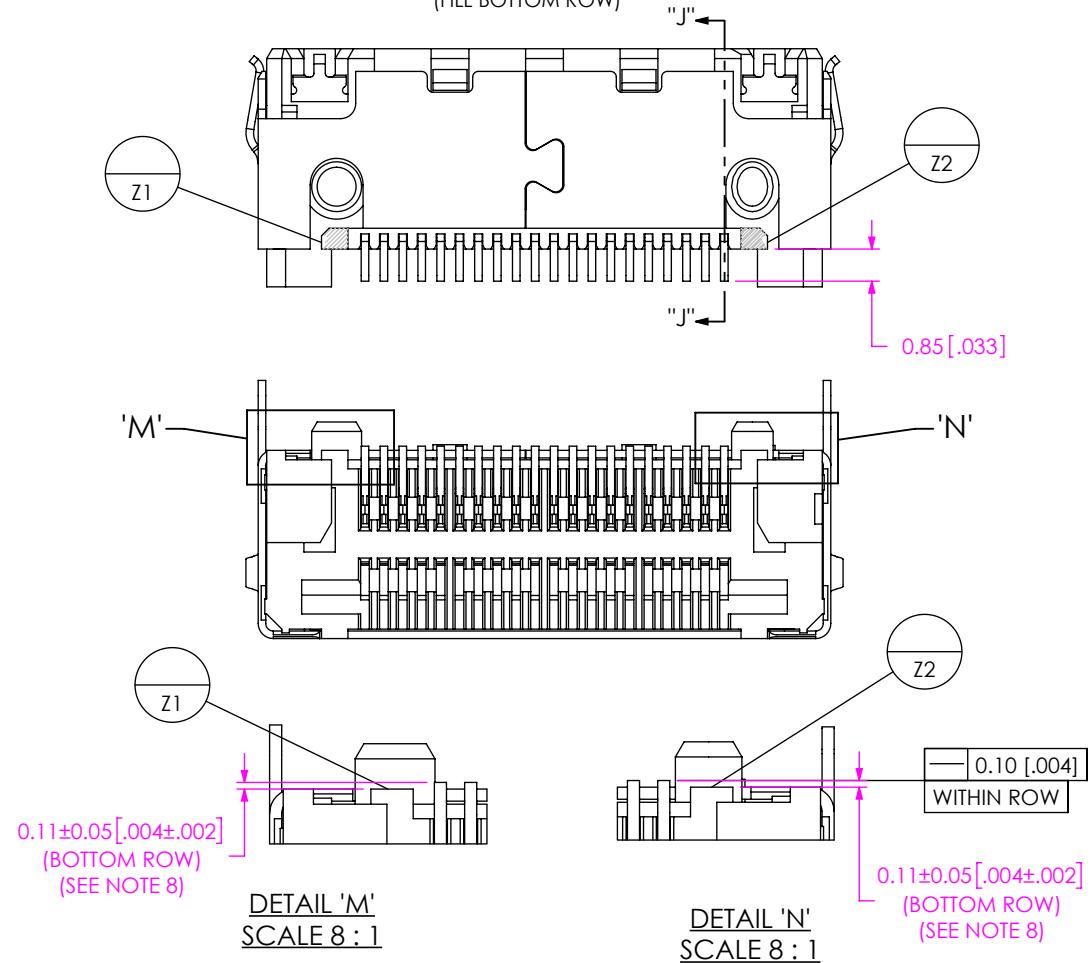
INSPECTION VIEW 1  
(FILL BOTTOM ROW)

FIG 4  
(IN PROCESS 1)  
(SEE INSPECTION VIEW 1 FOR ORIENTATION AND CPC'S)

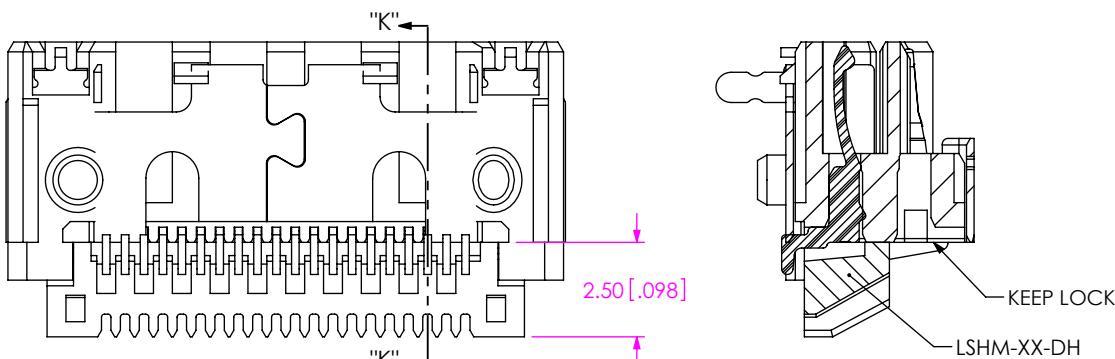


FIG 5  
(IN PROCESS 2)

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LSHM-1XX-XX-XXX-DH-A-X-X-XR  
BY: AGEN H 10/30/2008 SHEET 3 OF 5

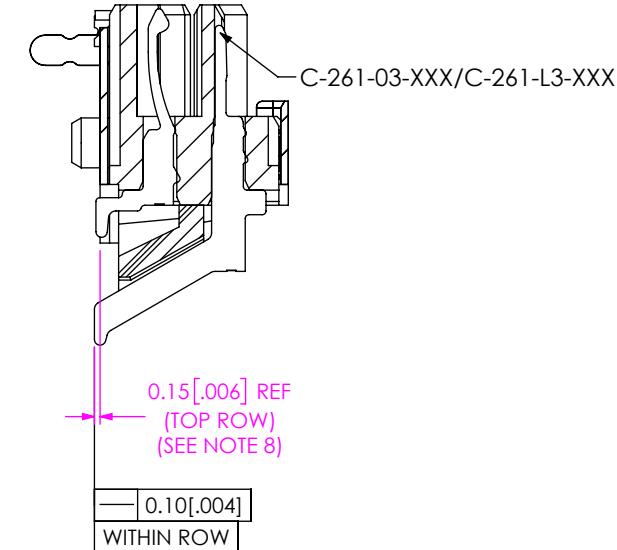
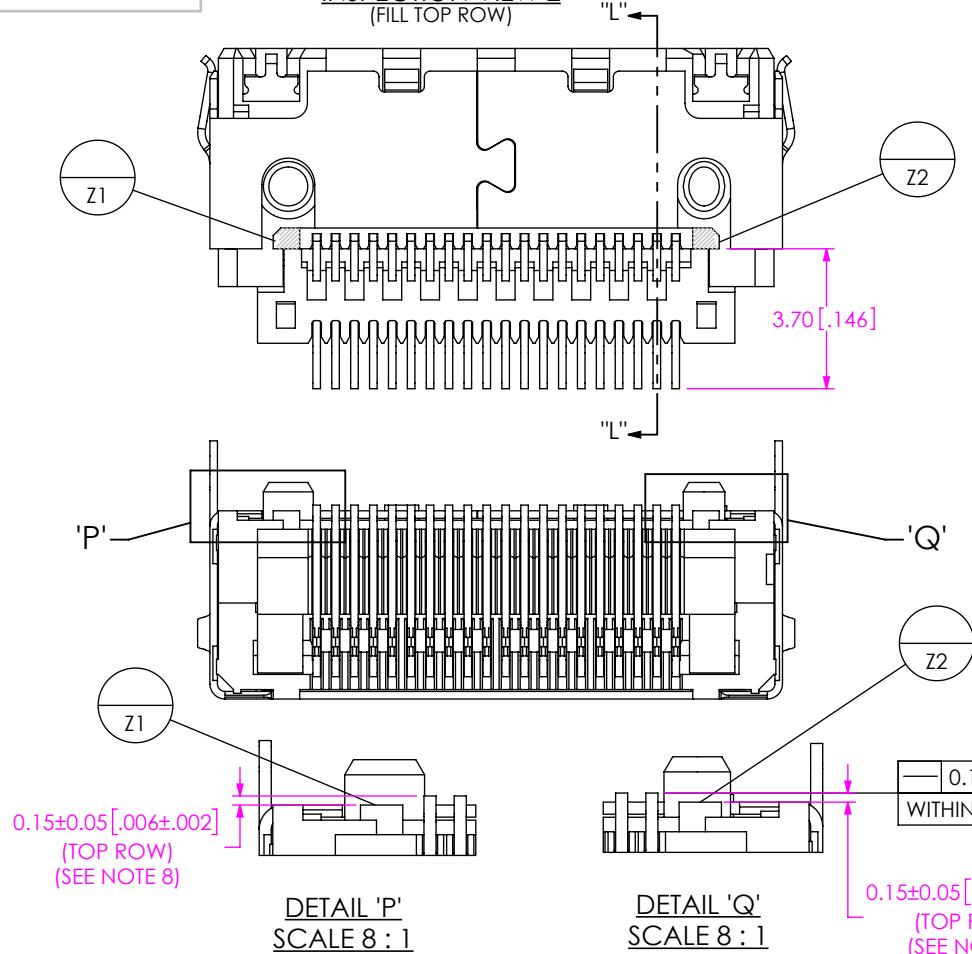
INSPECTION VIEW 2  
(FILL TOP ROW)

FIG 6  
(IN PROCESS 3)  
(SEE INSPECTION VIEW 2 FOR ORIENTATION AND CPC'S)

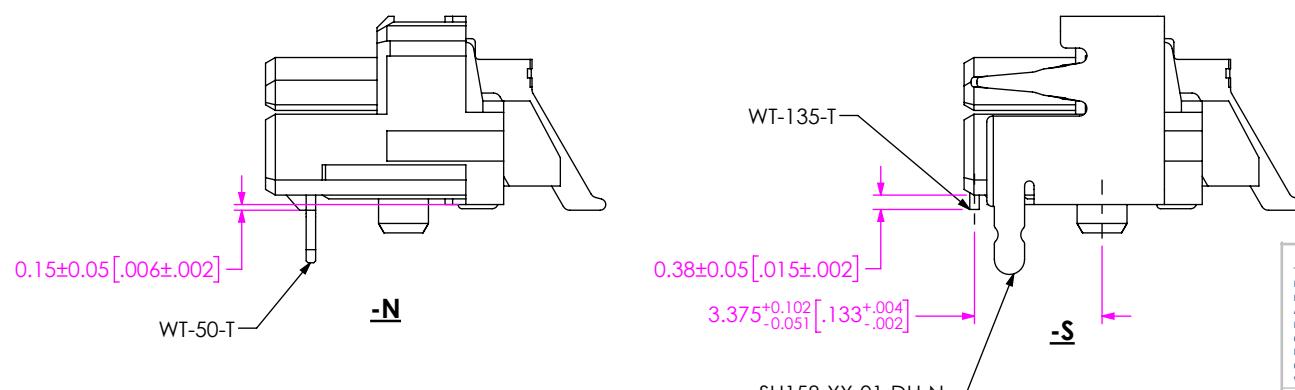


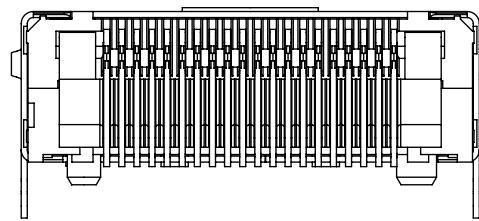
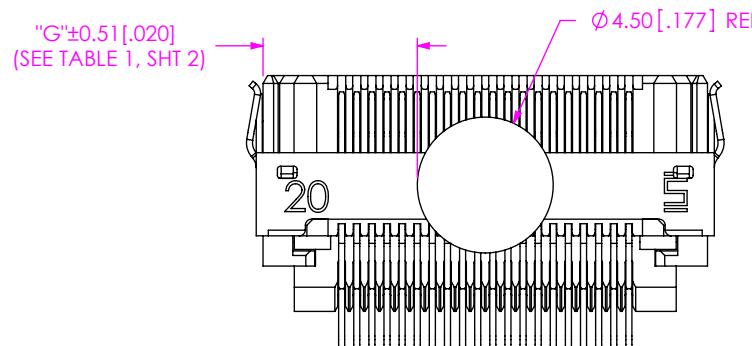
FIG 7  
(IN PROCESS 4)

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DWG. NO. LSHM-1XX-XX-XXX-DH-A-X-X-XR



**FIG 8**  
LSHM-1XX-X1-XXX-DH-A-S-X-XR SHOWN

TABLE 2	
LEAD STYLE	CONTACT
-01	C-261-02-XXX
	C-261-03-XXX
-L1	C-261-L2-XXX
	C-261-L3-XXX

C:\enterprisevault\DWG\MISC\MKTG\LSHM-1XX-XX-XXX-DH-A-X-X-XR-MKT.SLDDRW

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