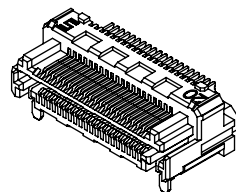
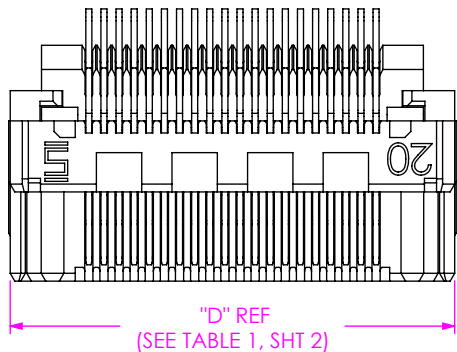


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]

LSHM-1XX-XX-XXX-DH-A-X-X-XR



No OF POSITIONS
-05, -10, -20, -30, -40, -50

LEAD STYLE
-01: RIGHT ANGLE ONLY
-L1: LUBRICATED
(SEE TABLE 2, SHT 5)

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

TAPE & REEL (SEE NOTES 6 & 9)
-TR: TAPE & REEL
-FR: FULL REEL QTY. TAPE & 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

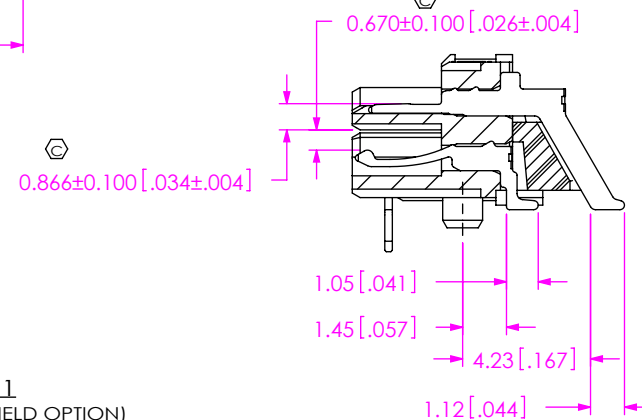
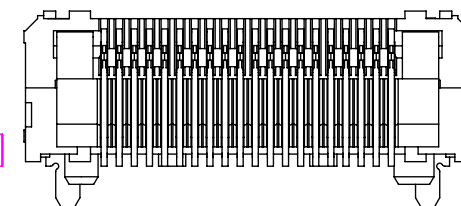
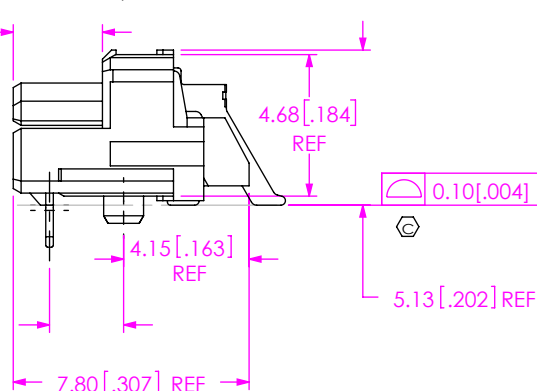
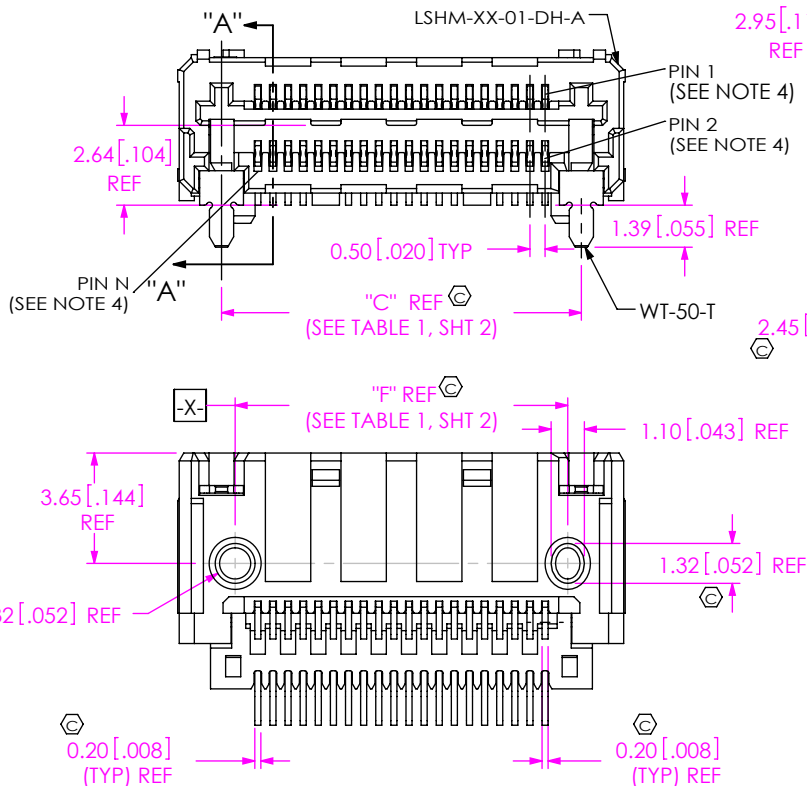


FIG 1 (WITHOUT SHIELD OPTION) LSHM-1XX-X1-XXX-DH-A-N-X-XR SHOWN

SECTION "A"-"A" SCALE 4:1

- NOTES:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
 2. REFER TO COMPONENT PRINTS FOR MAX BURR ALLOWANCE.
 3. MINIMUM PUSHOUT FORCE: BOTH CONTACT AND WELD TAB ARE 2.22 N [.5 LBS].
 4. 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.
 5. MEASURE FROM TOP OF VERTICAL WALL.
 6. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 7. FOR APPLICATIONS REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT IPG@SAMTEC.COM.
 8. USE -Z- DATUM ZONE ONLY FOR MEASUREMENTS.
 9. ATTACH LABEL TO EACH REEL.
 10. IT NEEDS TO INSPECT BOTTOW ROW CONTACTS, TOP ROW CONTACTS, TWO WELD TAB WT-135-X.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES]. TOLERANCES ARE:
DECIMALS ANGLES
X.X: ±0.3 [.01]
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 code 55322	
DESCRIPTION: 0.50mm TERMINAL/SOCKET COMBO	
DWG. NO. LSHM-1XX-XX-XXX-DH-A-X-X-XR	
BY: AGEN H	10/30/2008
SHEET 1 OF 5	

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]

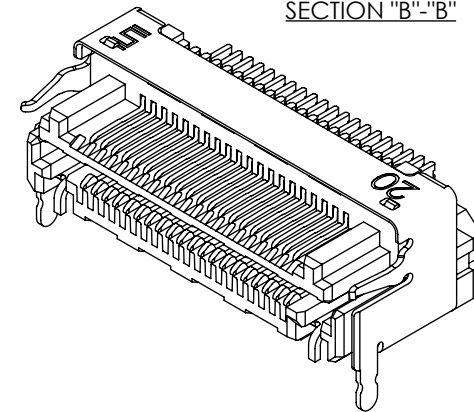
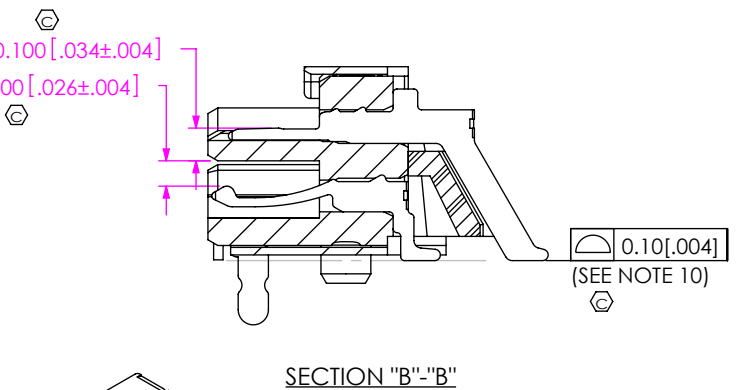
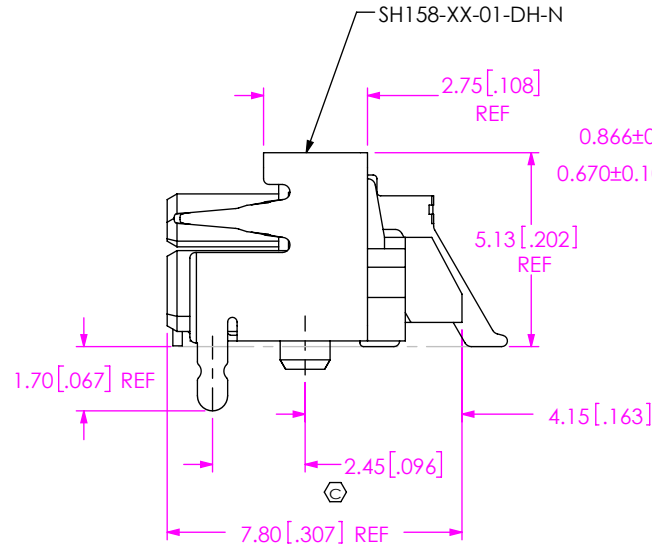
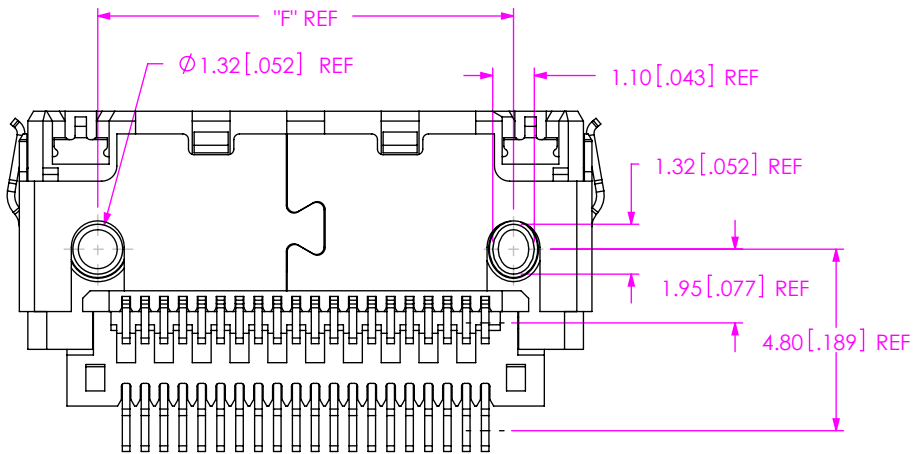
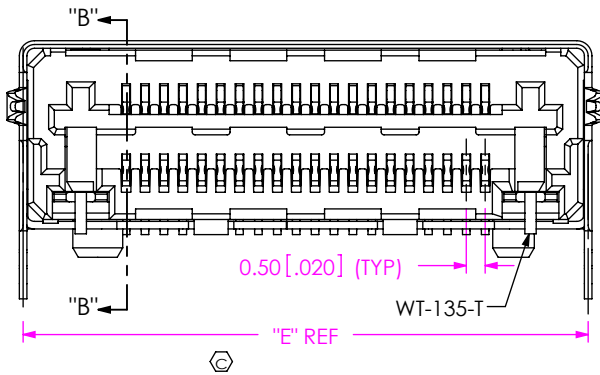
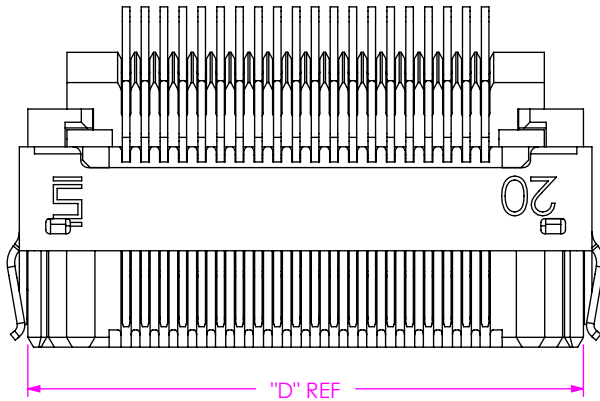


FIG 2
(SHIELD OPTION)
LSHM-1XX-X1-XXX-DH-A-S-X-XR SHOWN

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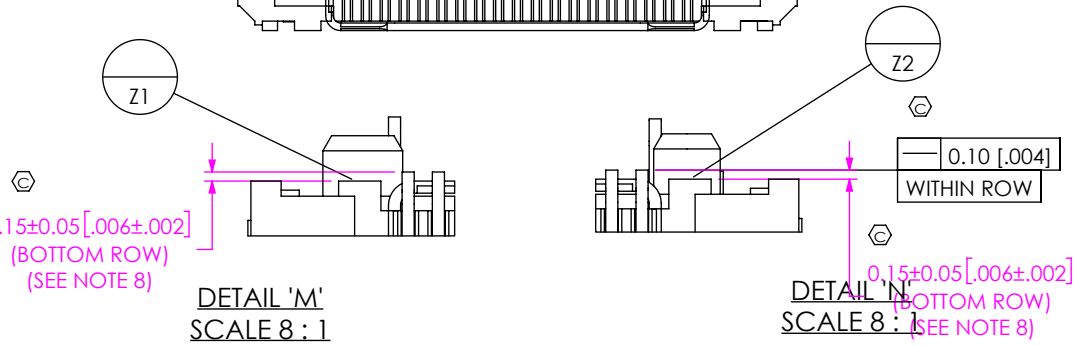
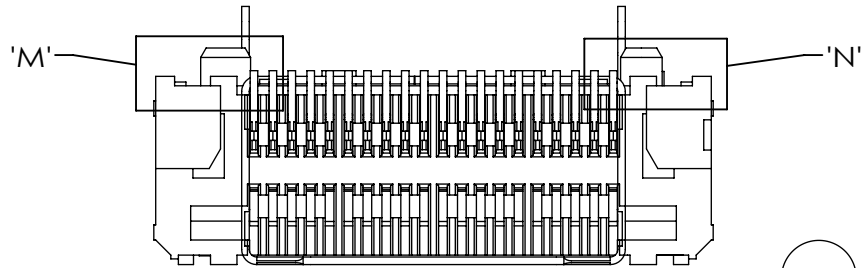
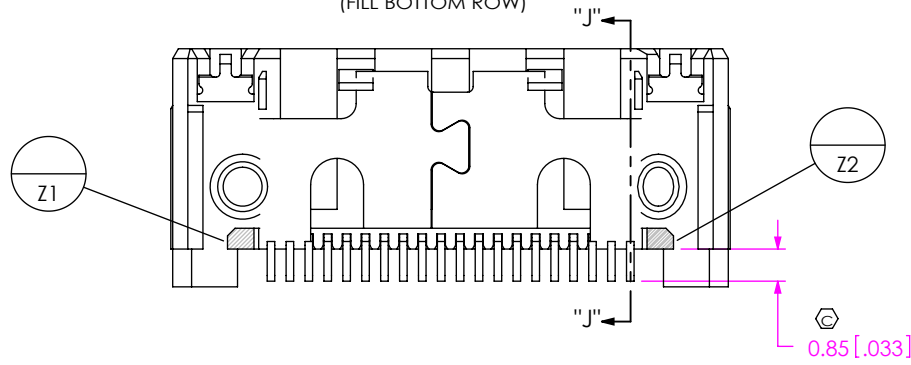
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SHEET SCALE: 1:0.2

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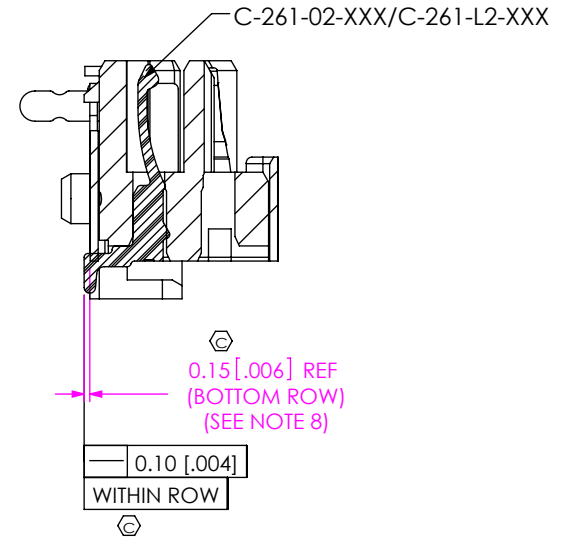
DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO
DWG. NO.
LSHM-1XX-XX-XXX-DH-A-X-X-XR
BY: AGEN H 10/30/2008 SHEET 2 OF 5

INSPECTION VIEW 1
(FILL BOTTOM ROW)



DETAIL 'M'
SCALE 8:1

DETAIL 'N'
SCALE 8:1



SECTION "J"

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

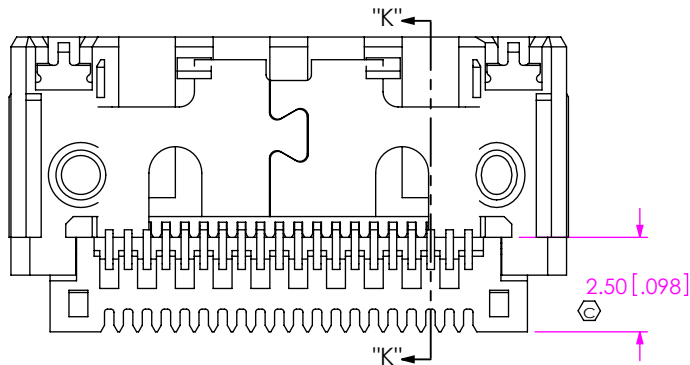
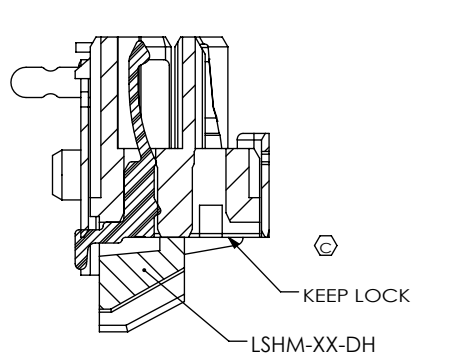


FIG 5
(IN PROCESS 2)



SECTION "K"-"K"

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SHEET SCALE: 5:1

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

DWG. NO.
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)

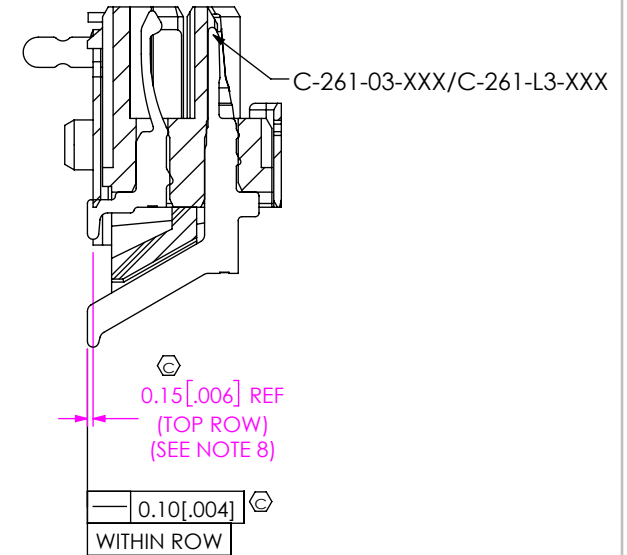
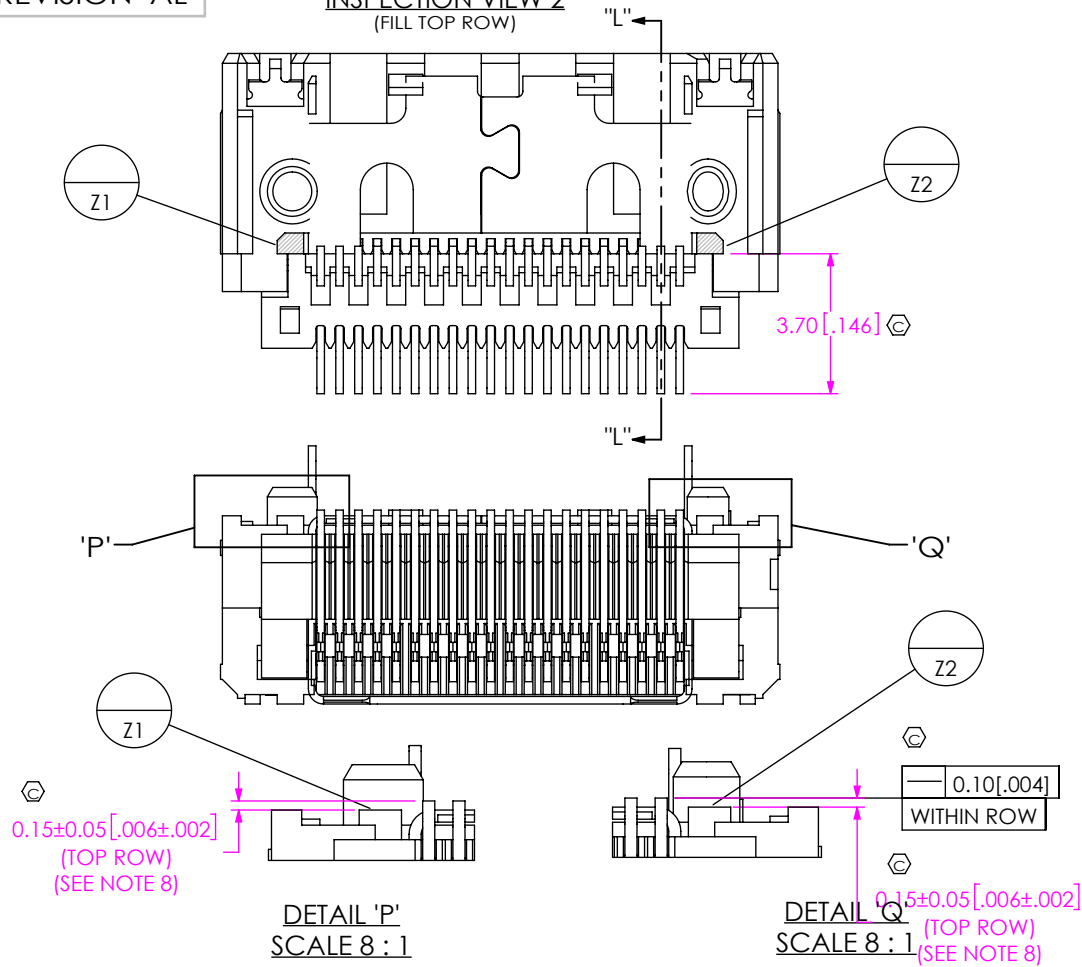


FIG 6
(IN PROCESS 3)
(SEE INSPECTION VIEW 2 FOR ORIENTATION AND CPC'S)

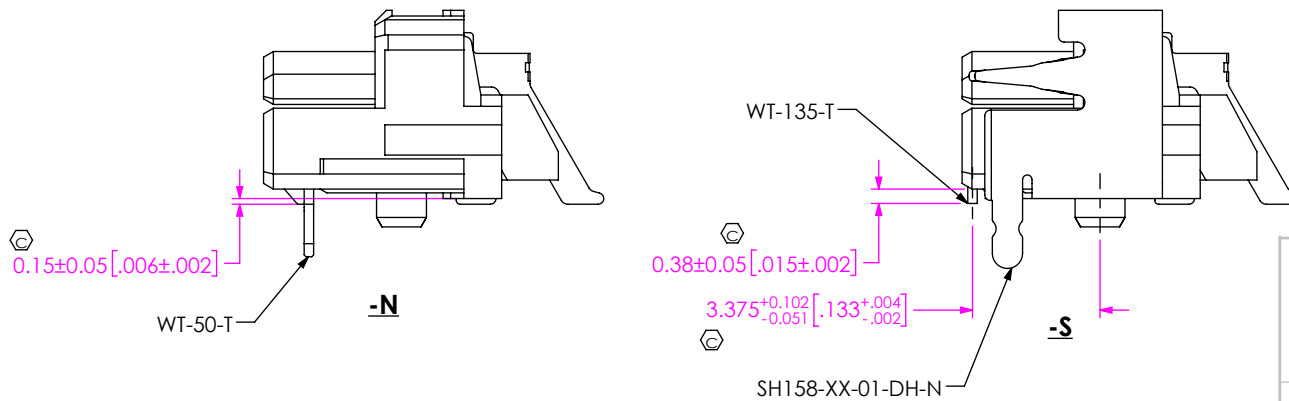


FIG 7
(IN PROCESS 4)

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

BY: AGEN H 10/30/2008 SHEET 4 OF 5

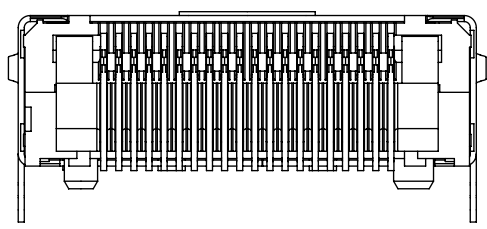
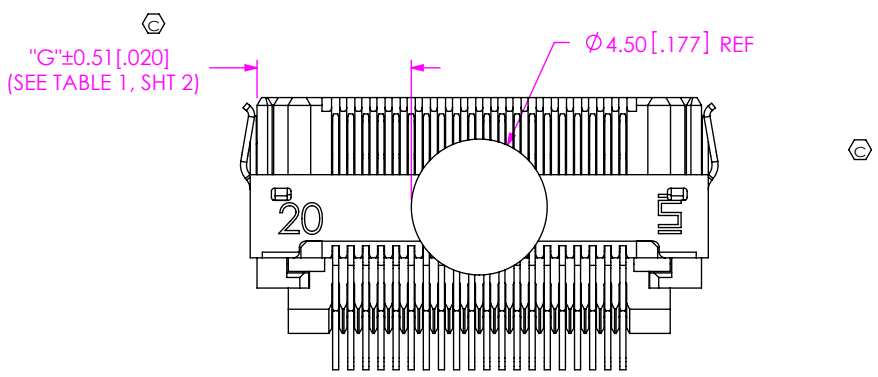


FIG 8
LSHM-1XX-X1-XXX-DH-A-S-X-XR SHOWN

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

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

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 BY: AGEN H 10/30/2008 SHEET 5 OF 5