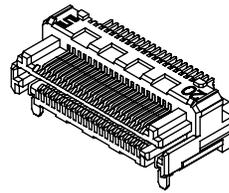
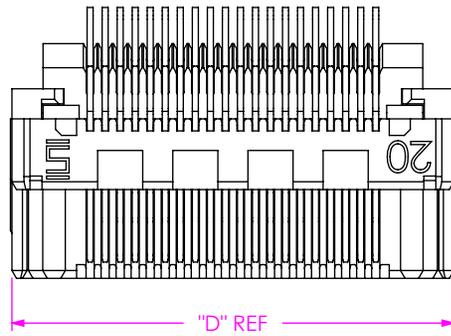


**DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**

LSHM-1XX-XX-X-DH-A-X-X-TR

DO NOT
SCALE FROM
THIS PRINT



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

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

PACKAGING
-TR: TAPE & REEL
(SEE NOTE 6)

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

SHIELD
-S: WITH SHIELD
(NO WT IS TO BE USED)
-N: WITHOUT SHIELD

TAIL OPTION
-DH: RIGHT ANGLE

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

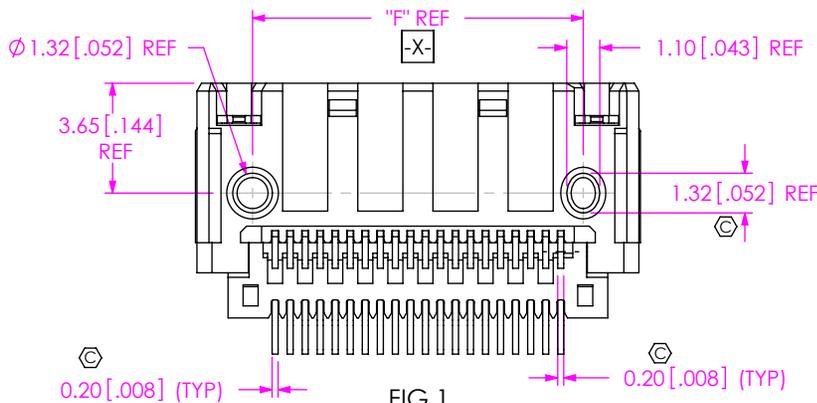
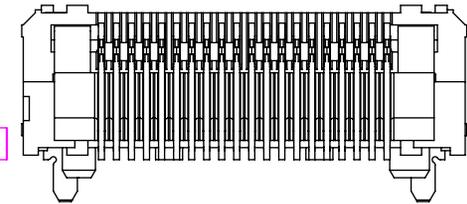
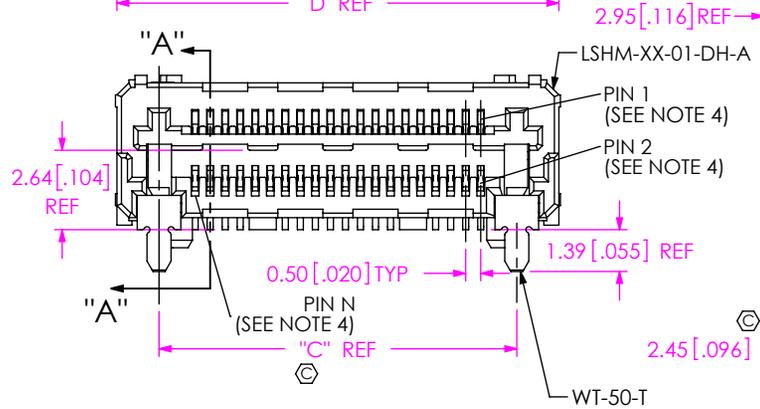


FIG 1
LSHM-1XX-X1-XX-DH-A-N-X-XX SHOWN

- NOTES:
1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
 2. BURR ALLOWANCE: .038[.0015].
 3. MINIMUM PUSHOUT FORCE; TERMINALS: 2.22 N [.5 LBS], CONTACTS: 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
 5. MEASURE FROM TOP OF VERTICAL WALL.
 6. FOR QUANTITIES UP TO 49 PCS., NO LEADER, TRAILER OR REEL WILL BE SUPPLIED. FOR QUANTITIES OF 50-124 PCS., NO LEADER OR TRAILER WILL BE SUPPLIED.
 7. FOR APPLICATIONS REQUIRING TWO OR MORE CONNECTORS PER BOARD, CONTACT IPG@SAMTEC.COM.
 8. USE -Z- DATUM ZONE ONLY FOR MEASUREMENTS.

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

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

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

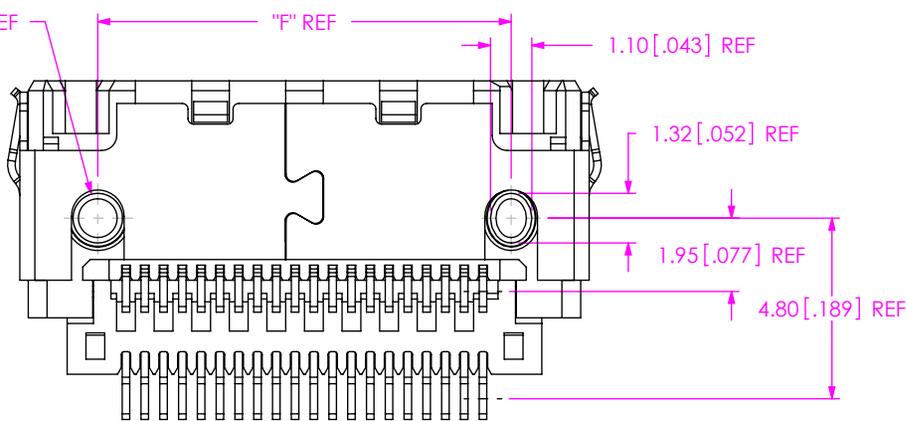
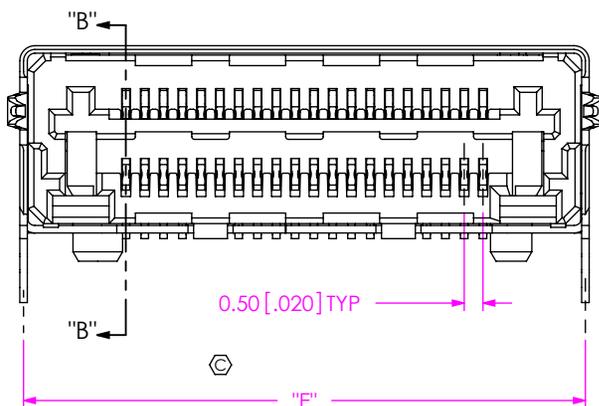
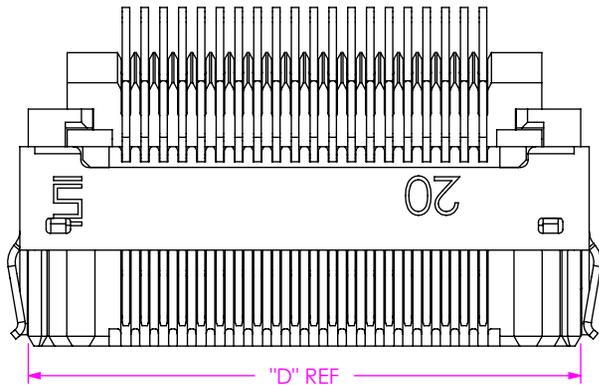
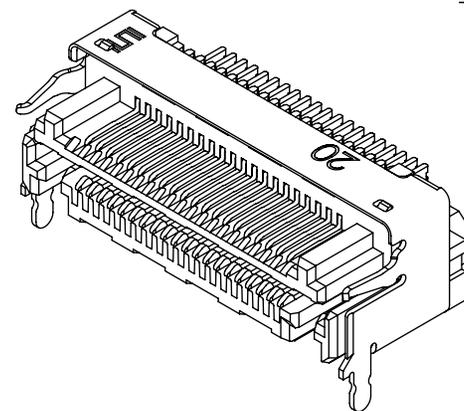
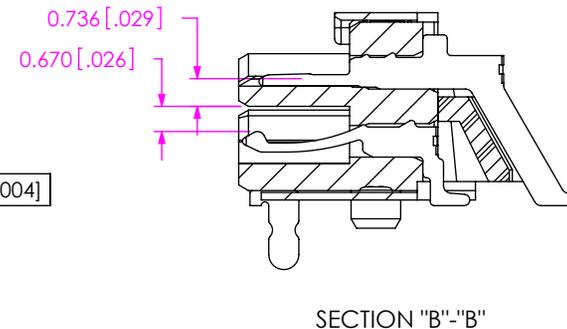
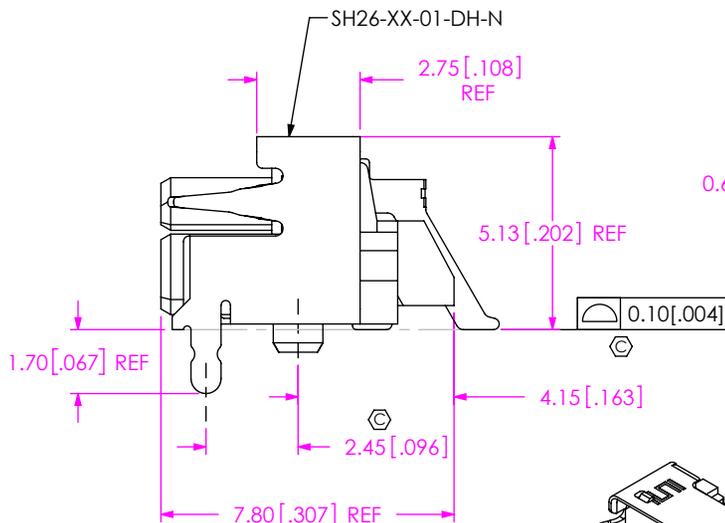


FIG 2
(SHIELD OPTION)
LSHM-1XX-X1-XX-DH-A-S-XX-XX SHOWN

F:\DWG\MISC\MKTG\LSHM-1XX-XX-X-DH-A-X-X-TR-MKT.SLDRW

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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SHEET SCALE: 1:0.2



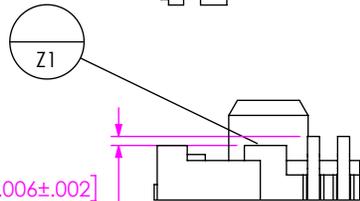
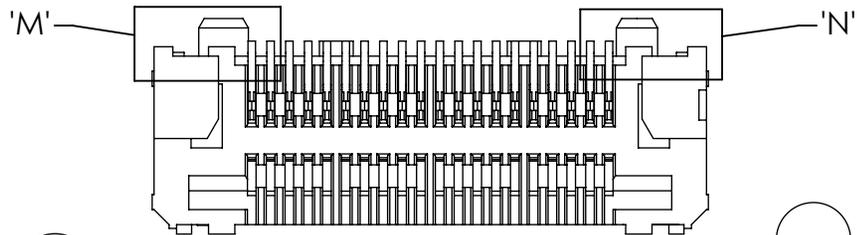
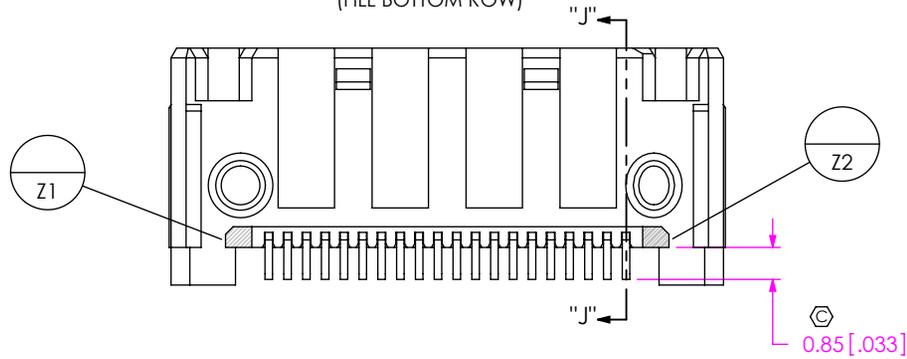
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

DWG. NO.
LSHM-1XX-XX-X-DH-A-X-X-TR

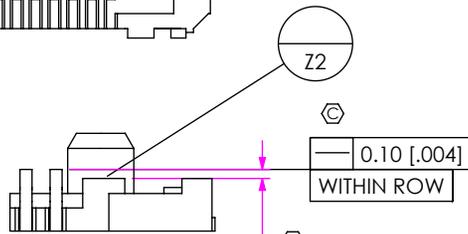
BY: AGEN H 10/30/2008 SHEET 2 OF 5

INSPECTION VIEW 1
(FILL BOTTOM ROW)



DETAIL 'M'
SCALE 8 : 1

$0.15 \pm 0.05 [0.006 \pm 0.002]$
(BOTTOM ROW)
(SEE NOTE 8)

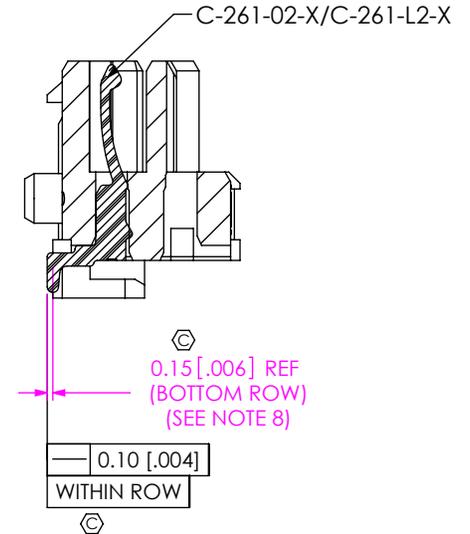


DETAIL 'N'
SCALE 8 : 1

$0.15 \pm 0.05 [0.006 \pm 0.002]$
(BOTTOM ROW)
(SEE NOTE 8)

$0.85 [0.033]$

$0.10 [0.004]$
WITHIN ROW



$0.15 [0.006]$ REF
(BOTTOM ROW)
(SEE NOTE 8)

$0.10 [0.004]$
WITHIN ROW

SECTION "

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

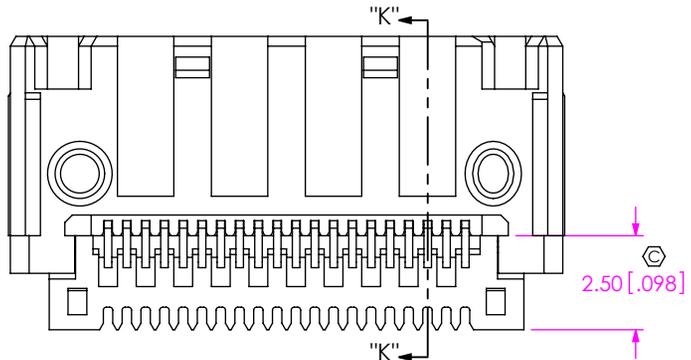
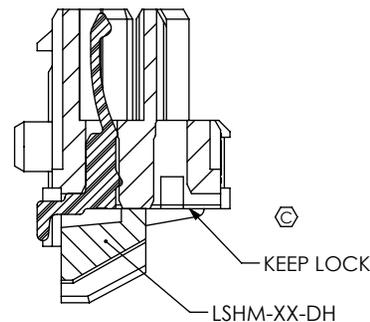


FIG 5
(IN PROCESS 2)



SECTION "K"- "K"

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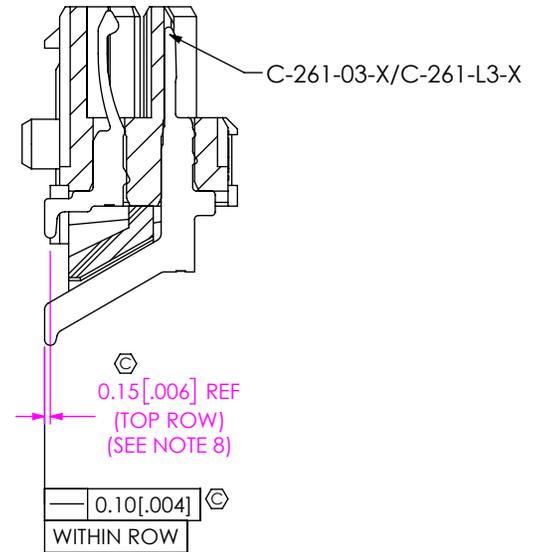
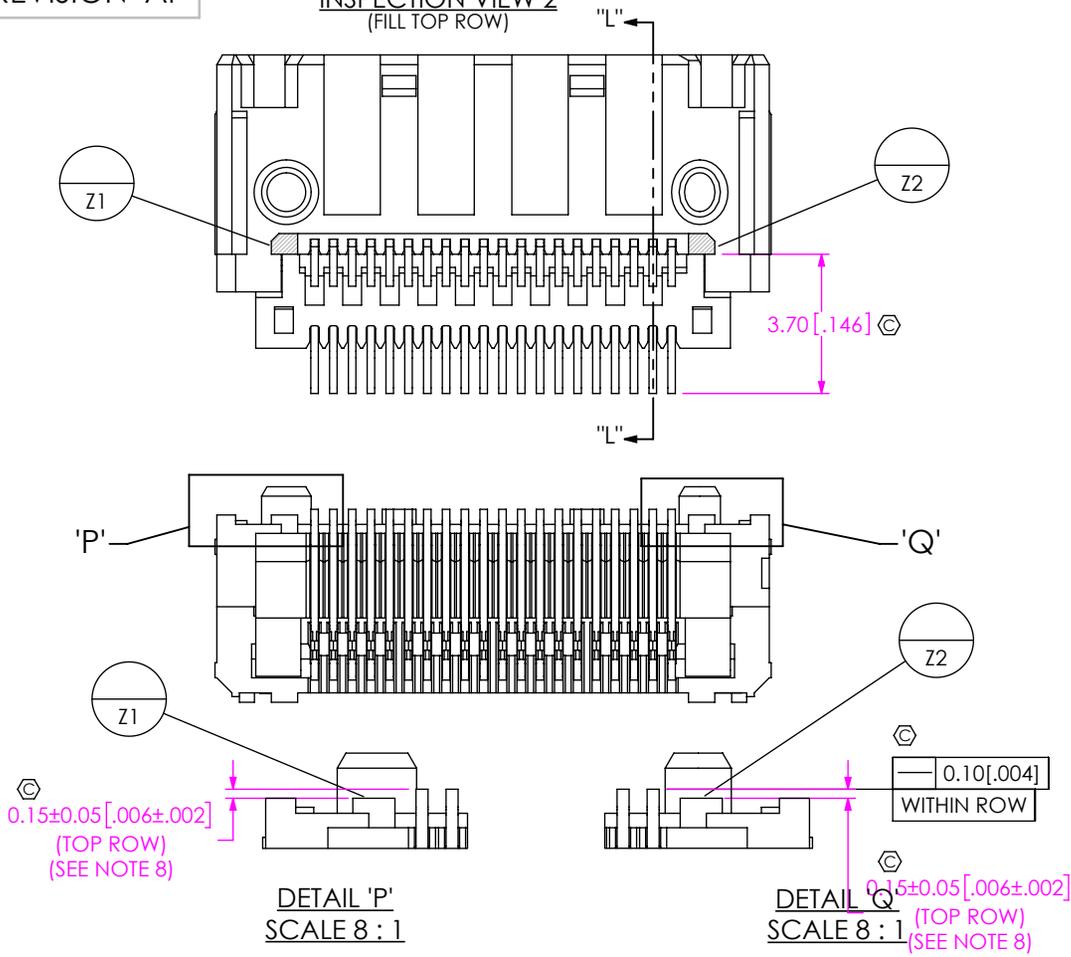
DO NOT SCALE DRAWING
SHEET SCALE: 5:1

DESCRIPTION:
0.50mm TERMINAL/SOCKET COMBO

DWG. NO.
LSHM-1XX-XX-X-DH-A-X-X-TR

BY: AGEN H 10/30/2008 SHEET 3 OF 5

INSPECTION VIEW 2
(FILL TOP ROW)



SECTION "L"-"L"

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

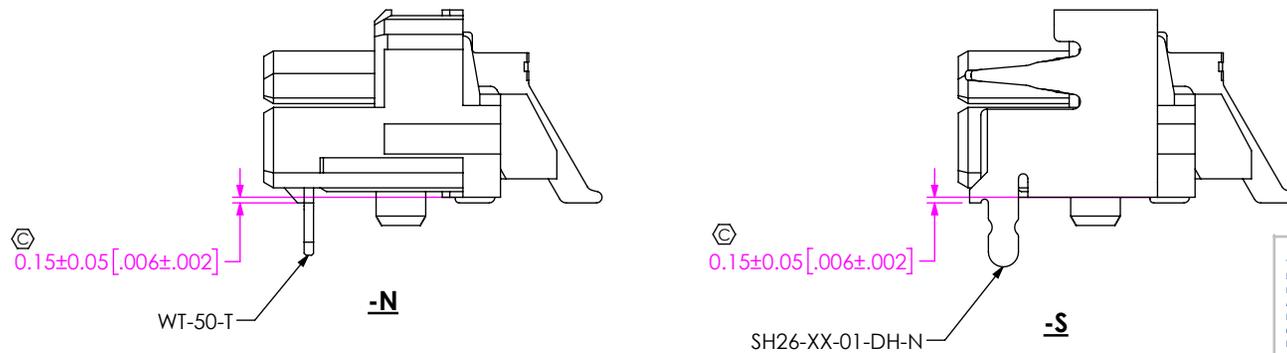


FIG 7
(IN PROCESS 4)

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SHEET SCALE: 5:1

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

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

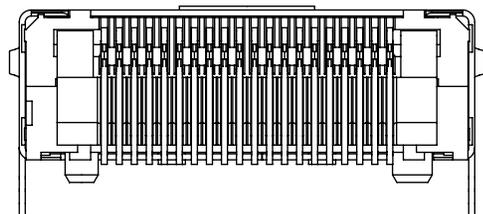
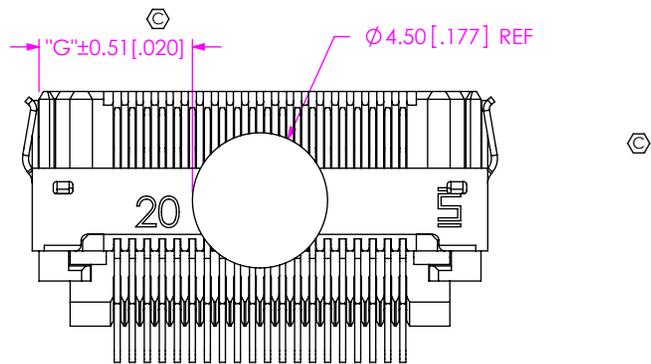


FIG 8
LSHM-1XX-X1-XX-DH-A-S-XX-XX SHOWN

TABLE 2

LEAD STYLE	CONTACT
-01	C-261-02-X
	C-261-03-X
-L1	C-261-L2-X
	C-261-L3-X

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

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