DESIGNED & DIMENSIONED IN MILLIMETERS\[INCHES\]

DO NOT SCALE FROM THIS PRINT

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

PACKAGING
- TR: TAPE & REEL (SEE NOTE 6)
- K: POLYAMIDE FILM (USE X-500-300)

LEAD STYLE
- 01: RIGHT ANGLE ONLY

PLATING SPECIFICATION
- L: 10u"(0.25u")GOLD
- F: GOLD FLASH

TAIL OPTION
- DH: RIGHT ANGLE (STYLE -01 ONLY)

No OF POSITIONS
- 20, 30, 40, 50

SHIELD
- S: WITH SHIELD
- N: WITHOUT SHIELD

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.

LSHM-XX-01-DH-A

PIN 1
(SEE NOTE 4)

PIN 2
(SEE NOTE 4)

PIN N
(SEE NOTE 4)

SECTION "A"-'A"

REFERENCES:
B
C
D
E
F

0.50 [.020] TYP
1.40 [.055] REF
2.45 [.096] REF
7.80 [.307] REF
0.10 [.004] REF
5.13 [.202] REF
4.15 [.163] REF
1.45 [.057]
1.05 [.041]
4.23 [.167]
1.12 [.044]

5.38±0.10 [.208±.004]
0.67±0.10 [.026±.004]
0.866±0.10 [.034±.004]


No. OF POSITIONS
- 20, 30, 40, 50

LEAD STYLE
- 01: RIGHT ANGLE ONLY

PLATING SPECIFICATION
- L: 10u"(0.25u")GOLD
- F: GOLD FLASH

TAIL OPTION
- DH: RIGHT ANGLE (STYLE -01 ONLY)

No. OF POSITIONS
- 20, 30, 40, 50

SHIELD
- S: WITH SHIELD
- N: WITHOUT SHIELD

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.


No. OF POSITIONS
- 20, 30, 40, 50

LEAD STYLE
- 01: RIGHT ANGLE ONLY

PLATING SPECIFICATION
- L: 10u"(0.25u")GOLD
- F: GOLD FLASH

TAIL OPTION
- DH: RIGHT ANGLE (STYLE -01 ONLY)

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.


No. OF POSITIONS
- 20, 30, 40, 50

LEAD STYLE
- 01: RIGHT ANGLE ONLY

PLATING SPECIFICATION
- L: 10u"(0.25u")GOLD
- F: GOLD FLASH

TAIL OPTION
- DH: RIGHT ANGLE (STYLE -01 ONLY)

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.
TABLE 1

<table>
<thead>
<tr>
<th>No OF POS</th>
<th>&quot;C&quot;</th>
<th>&quot;D&quot;</th>
<th>&quot;E&quot;</th>
<th>&quot;F&quot;</th>
<th>&quot;G&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20</td>
<td>11.90</td>
<td>14.70</td>
<td>14.95</td>
<td>11.00</td>
<td>5.60</td>
</tr>
<tr>
<td></td>
<td>[0.469]</td>
<td>[0.579]</td>
<td>[0.589]</td>
<td>[0.433]</td>
<td>[0.220]</td>
</tr>
<tr>
<td>-30</td>
<td>16.90</td>
<td>19.70</td>
<td>19.95</td>
<td>16.00</td>
<td>7.60</td>
</tr>
<tr>
<td></td>
<td>[0.665]</td>
<td>[0.776]</td>
<td>[0.785]</td>
<td>[0.630]</td>
<td>[0.299]</td>
</tr>
<tr>
<td>-40</td>
<td>21.90</td>
<td>24.70</td>
<td>24.95</td>
<td>21.00</td>
<td>10.60</td>
</tr>
<tr>
<td></td>
<td>[0.862]</td>
<td>[0.972]</td>
<td>[0.982]</td>
<td>[0.827]</td>
<td>[0.417]</td>
</tr>
<tr>
<td>-50</td>
<td>26.90</td>
<td>29.70</td>
<td>29.95</td>
<td>26.00</td>
<td>13.10</td>
</tr>
<tr>
<td></td>
<td>[1.059]</td>
<td>[1.169]</td>
<td>[1.179]</td>
<td>[1.024]</td>
<td>[0.516]</td>
</tr>
</tbody>
</table>

FIG. 2

(SHIELD OPTION)

LSHM-1XX-01-XX-DH-A-S-XX-XX SHOWN

SECTION "B"-"B"

0.50mm TERMINAL/ SOCKET COMBO

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1:0.2

520 PARK EAST BLVD. NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
SAMTEC, INC.

0.50mm TERMINAL/ SOCKET COMBO

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

BY: AGEN H 10/30/2008 SHEET 2 OF 3