

SECTION A-A  
(WITHOUT CAP)

SECTION A-A  
(WITH CAP)

NOTES:

- MATERIAL:  
HOUSING: NYLON, GLASS FILLED, UL94 V-0,  
COLOR - SEE TABLE.  
CAP: NYLON, GLASS FILLED, UL94V-0  
COLOR: BEIGE.  
PINS: BRASS ALLOY, C26000, P/N87437-8083.
- PLATING: 2.54µM. MIN. TIN OVER 1.27µM MIN. NICKEL.
- DRAWING SHOWS PLUG WITH 5 CIRCUITS.
- HEADER TO BE USED WITH CRIMP HOUSING, P/N 87439  
AND CRIMP TERMINAL, P/N 87421.
- PARTS TO BE PACKED IN MOISTURE BAG.

|   |            |                               |                                       |                      |                            |                     |                      |   |                        |  |  |
|---|------------|-------------------------------|---------------------------------------|----------------------|----------------------------|---------------------|----------------------|---|------------------------|--|--|
| ADD MOIST BAG NOTE<br>EC NO: S2007-1049<br>DRWNS:KANG<br>CHKD:ATSEE<br>APPR:MLONG | 2007/06/22 | QUALITY SYMBOLS<br>▽=0<br>◁=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                      | DIMENSION STYLE<br>MM ONLY |                     | SCALE<br>NTS         | DESIGN UNITS<br>METRIC                                | THIRD ANGLE PROJECTION |  |  |
|   | 2007/06/22 |                               | DESCRIPTION                           | mm                   | INCH                       | DRAWN BY<br>KCLING  | DATE<br>1994/04/08   | TITLE<br>1.50MM PITCH, W-T-B<br>HEADER, VERTICAL, SMT |                        |  |  |
|   | 2007/06/22 |                               | REV                                   | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± ---       | CHECKED BY<br>SKTOH | DATE<br>1994/04/21   |   |                        |  |  |
|   | D7         |                               |                                       | 1 PLACE ± --- ± ---  | ANGULAR ± 3 °              |                     | APPROVED BY<br>RWONG | DATE<br>1994/04/21                                    | MOLEX INCORPORATED     |  |  |

|  |  |            |  |  |
|--|--|------------|--|--|
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
|--|--|------------|--|--|

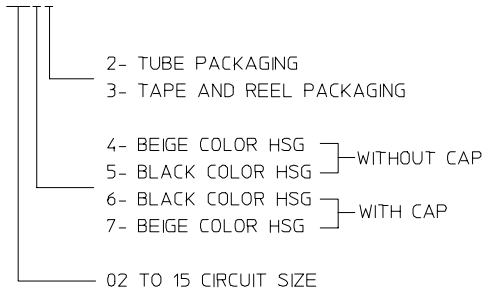
|           |  |                                |                     |
|-----------|--|--------------------------------|---------------------|
| SEE TABLE |  | DOCUMENT NO.<br>SD-87437-***31 | SHEET NO.<br>1 OF 4 |
|-----------|--|--------------------------------|---------------------|

10 9 8 7 6 5 4 3 2 1



PART NUMBER ASSIGNMENT

87437-XXXX



| CIRCUIT SIZE | A     | B     | C     | D     | E     |
|--------------|-------|-------|-------|-------|-------|
| 02           | 1.50  | 3.30  | 3.70  | 4.30  | 1.70  |
| 03           | 3.00  | 4.80  | 5.20  | 5.80  | 3.20  |
| 04           | 4.50  | 6.30  | 6.70  | 7.30  | 4.70  |
| 05           | 6.00  | 7.80  | 8.20  | 8.80  | 6.20  |
| 06           | 7.50  | 9.30  | 9.70  | 10.30 | 7.70  |
| 07           | 9.00  | 10.80 | 11.20 | 11.80 | 9.20  |
| 08           | 10.50 | 12.30 | 12.70 | 13.30 | 10.70 |
| 09           | 12.00 | 13.80 | 14.20 | 14.80 | 12.20 |
| 10           | 13.50 | 15.30 | 15.70 | 16.30 | 13.70 |
| 11           | 15.00 | 16.80 | 17.20 | 17.80 | 15.20 |
| 12           | 16.50 | 18.30 | 18.70 | 19.30 | 16.70 |
| 13           | 18.00 | 19.80 | 20.20 | 20.80 | 18.20 |
| 14           | 19.50 | 21.30 | 21.70 | 22.30 | 19.70 |
| 15           | 21.00 | 22.80 | 23.20 | 23.80 | 21.20 |

F  
E  
D  
C  
B  
A

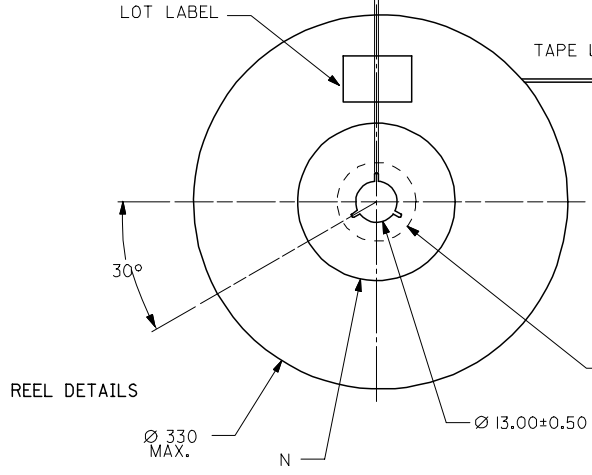
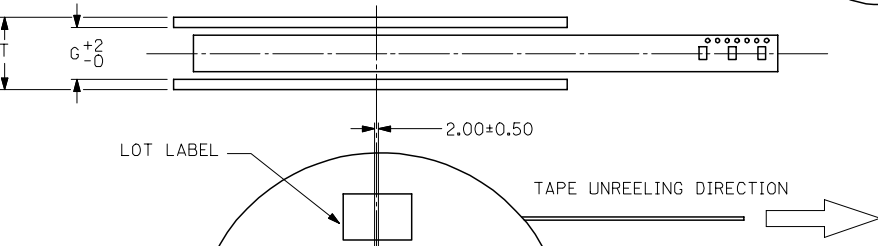
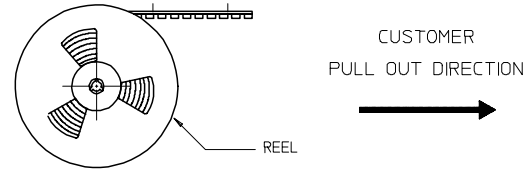
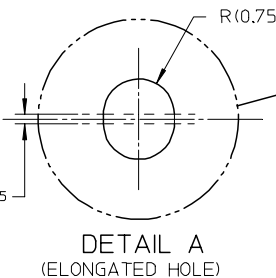
F  
E  
D  
C  
B  
A

| ADD MOIST BAG NOTE<br>EC NO: S2007-1049<br>DRWN:SKANG<br>CHKD:ATSEE<br>APPR:MLONG | 2007/06/22<br>2007/06/22<br>2007/06/22 | DESCRIPTION<br>REV  | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>2 PLACES</td><td>± 0.20</td><td>± ---</td></tr> <tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr> </tbody> </table> ANGULAR ± 3° |       | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.20 | ± --- | 1 PLACE | ± --- | ± --- | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>KCL ING 1994/04/08<br>CHECKED BY DATE<br>SKTOH 1994/04/21<br>APPROVED BY DATE<br>RWONG 1994/04/21 | SCALE<br>NTS<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>1.50MM PITCH, W-T-B<br>HEADER, VERTICAL, SMT |
|---|--|---|-------------------------------|--|-------|----|------|----------|-------|-------|----------|-------|-------|----------|--------|-------|---------|-------|-------|--|--|---|
|   |  |   |                               | mm   | INCH  |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
|   |  |   | 4 PLACES                      | ± ---  | ± --- |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
|   |  |   | 3 PLACES                      | ± ---  | ± --- |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
| 2 PLACES  | ± 0.20                                 | ± ---   |                               |  |       |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
| 1 PLACE   | ± ---                                  | ± ---   |                               |  |       |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                        |  | MATERIAL NO.<br>SEE TABLE   | DOCUMENT NO.<br>SD-87437-**31 | SHEET NO.<br>2 OF 4  |       |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
| SIZE<br>A3  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                               |  |       |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |
| D7  |  |   |                               |  |       |    |      |          |       |       |          |       |       |          |        |       |         |       |       |  |  |   |

9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

EMBOSSED CARRIER TAPE PACKING DETAILS FOR PARTS WITHOUT CAP



|                    |             |
|--------------------|-------------|
| ADD MOIST BAG NOTE | DESCRIPTION |
| EC NO: S2007-1049  | REV         |
| DRWN:SKANG         | 2007/06/22  |
| CHKD:ATSEE         | 2007/06/22  |
| APPR:MLONG         | 2007/06/22  |
| D7                 |             |

|                 |             |
|-----------------|-------------|
| QUALITY SYMBOLS | DESCRIPTION |
| ▽=0             |             |
| ▽C=0            |             |

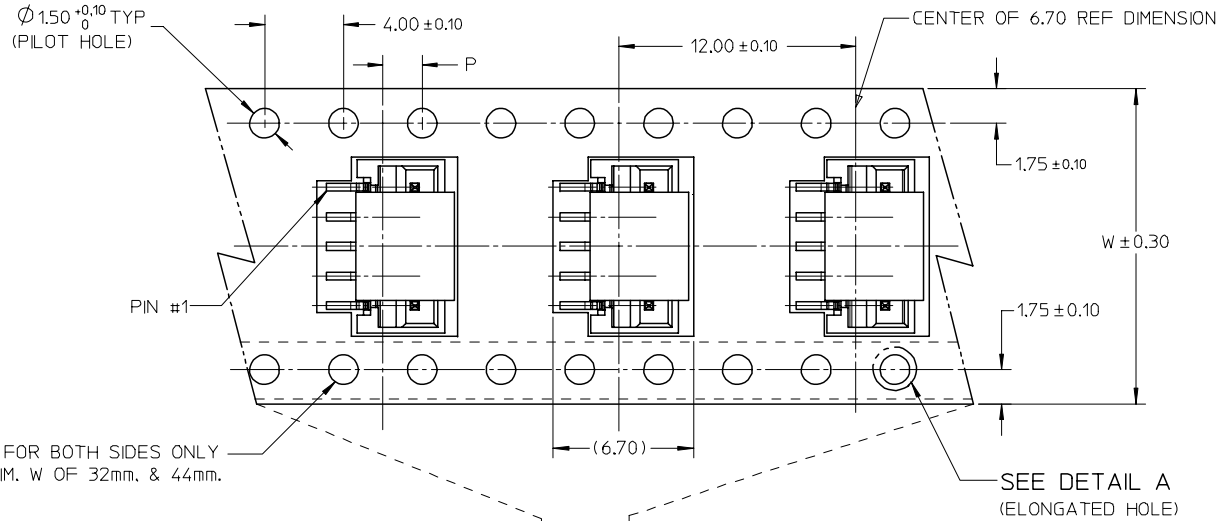
|  |                 |       |
|--|-----------------|-------|
| GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE |       |
|  | MM ONLY         |       |
| 4 PLACES   | ± ---           | ± --- |
| 3 PLACES   | ± ---           | ± --- |
| 2 PLACES   | ± 0.20          | ± --- |
| 1 PLACE  | ± ---           | ± --- |
| ANGULAR ± 3°   |                 |       |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                 |       |

|              |   |   |
|--------------|---|---|
| DRAWN BY     | DATE  | TITLE                                     |
| KCLING       | 1994/04/08  | 1.50MM PITCH, W-T-B HEADER, VERTICAL, SMT |
| CHECKED BY   | DATE  |   |
| SKTOH        | 1994/04/21  |   |
| APPROVED BY  | DATE  |   |
| RWONG        | 1994/04/21  |   |
| MATERIAL NO. |   | DOCUMENT NO.                              |
| SEE TABLE    |   | SD-87437-**-31                            |
| SIZE         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |
| A3           |   |   |

|                    |              |                        |
|--------------------|--------------|------------------------|
| SCALE              | DESIGN UNITS | THIRD ANGLE PROJECTION |
| NTS                | METRIC       |                        |
| MOLEX INCORPORATED |              |                        |
| DOCUMENT NO.       |              | SHEET NO.              |
| SD-87437-**-31     |              | 3 OF 4                 |

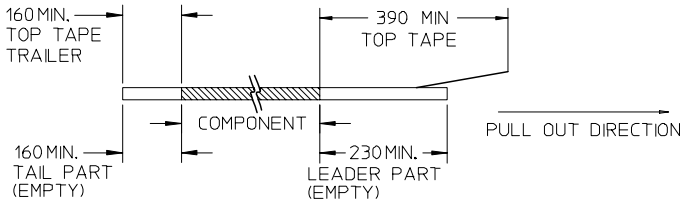
9 8 7 6 5 4 3 2 1

EMBOSSED CARRIER TAPE PACKING DETAILS FOR PARTS WITH CAP

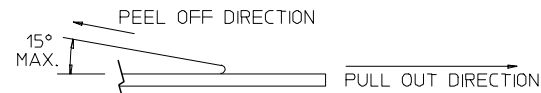


NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20-80gf. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. THE TAPE IS TREATED FOR ANTI-STATIC.
4. PACKAGING STANDARD IS AS PER EIA-481.
5. TAPE & REEL QUANTITY = 1000PCS/REEL (WITHOUT CAP)  
TAPE & REEL QUANTITY = 900PCS/REEL (WITH CAP)

|                |    |            |     |       |       |           |
|----------------|----|------------|-----|-------|-------|-----------|
| 15             | 44 | 20.20±0.15 | 100 | 44.40 | 50.40 | 2.00±0.15 |
| 11, 12, 13, 14 | 32 | 14.20±0.10 | 100 | 32.40 | 38.40 | 2.00±0.10 |
| 7, 8, 9, 10    | 24 | 11.50±0.10 | 100 | 24.40 | 30.40 | 2.00±0.10 |
| 2, 3, 4, 5, 6  | 16 | 7.50±0.10  | 100 | 16.40 | 22.40 | 2.00±0.10 |
| CIRCUIT SIZE   | W  | F          | N   | G     | T MAX | P         |

|   |  |  |                                       |           |                            |   |                    |   |                        |                                |                     |
|---|--|--|---------------------------------------|-----------|----------------------------|---|--------------------|---|------------------------|--------------------------------|---------------------|
| ADD MOIST BAG NOTE<br>EC NO: S2007-1049<br>DRWNS:KANG<br>CHKD:ATSEE<br>APPR:MLONG | 2007/06/22<br>2007/06/22<br>2007/06/22 | QUALITY SYMBOLS<br>▽=0<br>▽=0                              | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY |   | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                | THIRD ANGLE PROJECTION |                                |                     |
|   |  |  |                                       |           | DRAWN BY<br>KCLING         |   | DATE<br>1994/04/08 | TITLE<br>1.50MM PITCH, W-T-B<br>HEADER, VERTICAL, SMT |                        |                                |                     |
|   |  |  | 4 PLACES ± --- ± ---                  |           | CHECKED BY                 |   | DATE<br>1994/04/21 | APPROVED BY<br>RWONG                                  |                        |                                |                     |
|   |  |  | 3 PLACES ± --- ± ---                  |           | APPROVED BY<br>RWONG       |   | DATE<br>1994/04/21 | MATERIAL NO.  |                        | DOCUMENT NO.<br>SD-87437-**-31 | SHEET NO.<br>4 OF 4 |
| 2 PLACES ± 0.20 ± ---   |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | SEE TABLE |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |   |                        |                                |                     |
| 1 PLACE ± --- ± ---   |  | ANGULAR ± 3 °  |                                       |           |                            |   |                    |   |                        |                                |                     |