

**PLATING OPTIONS:**

- 1 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 2 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.
- 3 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN. NICKEL OVERALL.

| ASSEMBLY P/N<br>(W/O KAPTON) | ASSEMBLY P/N<br>(WITH KAPTON) | ASSEMBLY P/N<br>(PACKED IN T&R<br>(WITH KAPTON)) | CKT<br>SIZE | VOID PIN<br>LOCATION | DIMENSION    |             |             |             |             |             | PLATING<br>OPTION |
|------------------------------|-------------------------------|--|-------------|----------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                              |                               |  |             |                      | A            | B           | C           | D           | E           | F           |                   |
| 87833-0431                   | 87833-0441                    | 87833-0451                                       | 4           | -                    | 6.65         | 2.00        | 5.00        | 4.85        | 1.00        | 2.16        | 1                 |
| 87833-0631                   | 87833-0641                    | 87833-0651                                       | 6           | -                    | 8.65         | 4.00        | 7.00        | 6.85        | 2.00        | 2.16        | 1                 |
| 87833-0831                   | 87833-0841                    | 87833-0851                                       | 8           | -                    | 10.65        | 6.00        | 9.00        | 8.85        | 3.00        | 2.16        | 1                 |
| 87833-1031                   | -                             | -  | 10          | -                    | 12.65        | 8.00        | 11.00       | 10.85       | 4.00        | 2.16        | 1                 |
| 87833-1231                   | -                             | -  | 12          | -                    | 14.65        | 10.00       | 13.00       | 12.85       | 5.00        | 2.16        | 1                 |
| 87833-5230                   | -                             | -  | 12          | 1                    | 14.65        | 10.00       | 13.00       | 12.85       | 5.00        | 2.16        | 1                 |
| 87833-0432                   | -                             | -  | 4           | -                    | 6.65         | 2.00        | 5.00        | 4.85        | 1.00        | 2.16        | 2                 |
| 87833-0632                   | -                             | -  | 6           | -                    | 8.65         | 4.00        | 7.00        | 6.85        | 2.00        | 2.16        | 2                 |
| 87833-0832                   | -                             | -  | 8           | -                    | 10.65        | 6.00        | 9.00        | 8.85        | 3.00        | 2.16        | 2                 |
| 87833-1032                   | -                             | -  | 10          | -                    | 12.65        | 8.00        | 11.00       | 10.85       | 4.00        | 2.16        | 2                 |
| 87833-1232                   | -                             | -  | 12          | -                    | 14.65        | 10.00       | 13.00       | 12.85       | 5.00        | 2.16        | 2                 |
| 87833-5220                   | -                             | -  | 10          | 10                   | 12.65        | 8.00        | 11.00       | 10.85       | 4.00        | 2.16        | 1                 |
| -                            | 87833-1041                    | 87833-1051                                       | 10          | -                    | 12.65        | 8.00        | 11.00       | 10.85       | 4.00        | 1.70        | 1                 |
| -                            | 87833-0871                    | 87833-0881                                       | 8           | 7                    | 10.65        | 6.00        | 9.00        | 8.85        | 3.00        | 2.16        | 1                 |
| <b>87833-0461</b>            | -                             | -  | <b>4</b>    | -                    | <b>6.65</b>  | <b>2.00</b> | <b>5.00</b> | <b>4.85</b> | <b>1.00</b> | <b>3.18</b> | <b>1</b>          |
| <b>87833-0661</b>            | -                             | -  | <b>6</b>    | -                    | <b>8.65</b>  | <b>4.00</b> | <b>7.00</b> | <b>6.85</b> | <b>2.00</b> | <b>3.18</b> | <b>1</b>          |
| <b>87833-0861</b>            | -                             | -  | <b>8</b>    | -                    | <b>10.65</b> | <b>6.00</b> | <b>9.00</b> | <b>8.85</b> | <b>3.00</b> | <b>3.18</b> | <b>1</b>          |

**NOTES:**

- 1. FOR ILLUSTRATION PURPOSES, 8 CIRCUIT SIZE WAFER IS SHOWN.
- 2. MATERIAL :  
HOUSING : NYLON 46, GLASS FILLED, UL94V-0, COLOR BLACK.  
PIN : 0.50MM SQ.PHOSPHOR BRONZE.  
KAPTON TAPE : POLYIMIDE 4mm X 30m X 0.055mm COLOR: AMBER
- 3. PRODUCT SPECIFICATION PS-87831-027 APPLIES.
- 4. CKT 4 & 6 HAS NO IDENTIFICATION TAG.
- 5. THIS HEADER MATES WITH MOLEX:  
a) CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.  
b) 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
- 6. PARTS TO BE PACKED WITH MOISTURE BARRIER BAG.
- 7. NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6

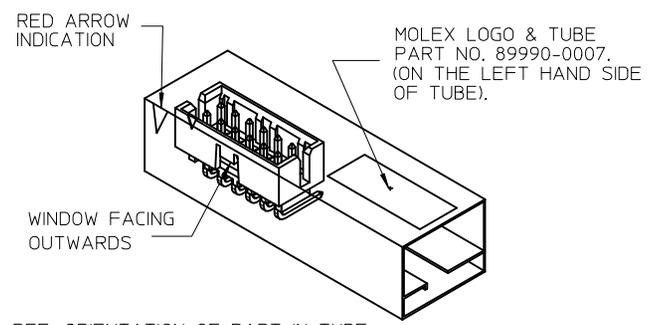
|  |                           |                                       |                 |       |              |                        |
|--|---------------------------|---------------------------------------|-----------------|-------|--------------|------------------------|
| <b>+878330461 &amp; 878330861</b><br>EC NO: S2014-1147<br>DRWN:ATSEE 2014/05/21<br>CHYK:FANNWONG 2014/07/04<br>APPR:LBLEE 2014/07/04 | QUALITY SYMBOLS           | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
|  | $\nabla=0$<br>$\square=0$ | mm INCH                               | MM ONLY         | NTS   | METRIC       |                        |

|  |       |       |              |              |   |
|--|-------|-------|--------------|--------------|---|
| 4 PLACES   | ± --- | ± --- | DRAWN BY     | DATE         | TITLE   |
| 3 PLACES   | ± --- | ± --- | ATSEE        | 2003/10/23   | MGRID, SHROUDED HEADER W/LOCKING FEATURE, R/A |
| 2 PLACES   | ± 0.2 | ± --- | CHECKED BY   | DATE         |   |
| 1 PLACE  | ± --- | ± --- | KCLING       | 2003/11/07   | MOLEX INCORPORATED                            |
| ANGULAR ± 3 °  |       |       | APPROVED BY  | DATE         |   |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       |       | SKTOH        | 2003/11/07   | MOLEX   |
|  |       |       | MATERIAL NO. | DOCUMENT NO. | SHEET NO.                                     |
|  |       |       | SEE TABLE    | SD-87833-011 | 1 OF 2  |

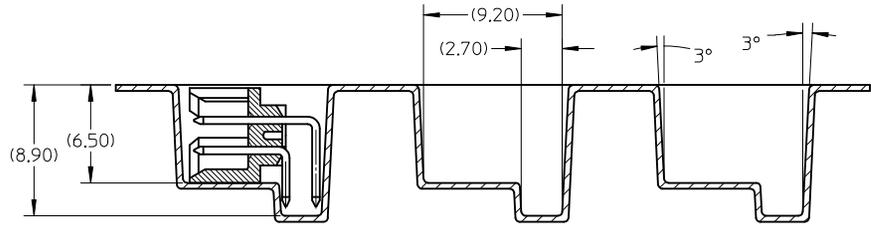
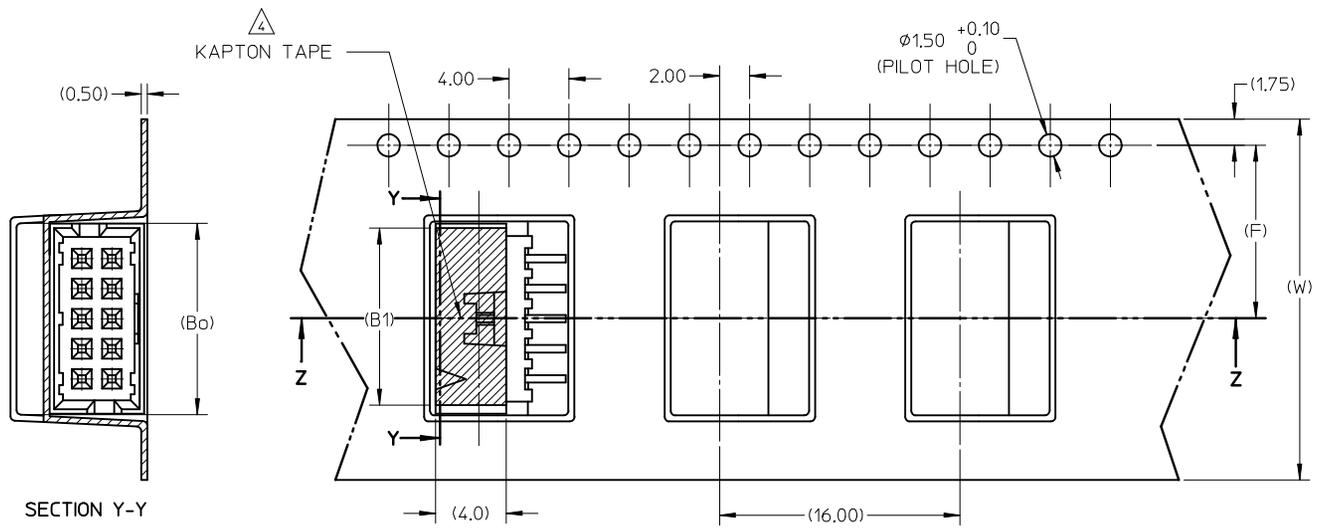
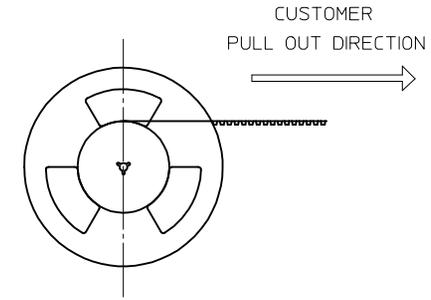
|              |  |              |   |  |
|--------------|--|--------------|---|--|
| DRAWN BY     |  | DATE         | TITLE   |  |
| ATSEE        |  | 2003/10/23   | MGRID, SHROUDED HEADER W/LOCKING FEATURE, R/A   |  |
| CHECKED BY   |  | DATE         | MOLEX INCORPORATED  |  |
| KCLING       |  | 2003/11/07   | SD-87833-011  |  |
| APPROVED BY  |  | DATE         | SHEET NO.   |  |
| SKTOH        |  | 2003/11/07   | 1 OF 2  |  |
| MATERIAL NO. |  | DOCUMENT NO. | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
| SEE TABLE    |  |              |   |  |

10 9 8 7 6 5 4 3 2 1

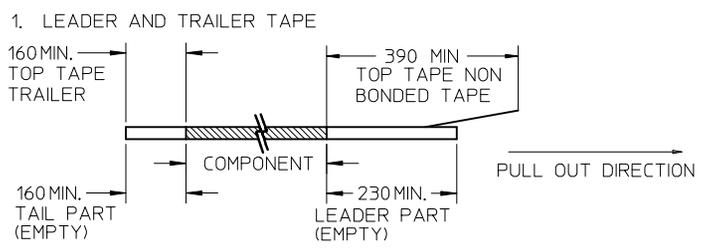
| ASSEMBLY P/N<br>PACKED IN T&R<br>(WITH KAPTON) | CKT<br>SIZE | (F)   | (Bo)  | (B1)  | (W)   |
|--|-------------|-------|-------|-------|-------|
| 87833-0451                                     | 04          | 7.50  | 7.00  | 6.00  | 16.00 |
| 87833-0651                                     | 06          | 11.50 | 9.00  |       | 24.00 |
| 87833-0851                                     | 08          | 11.50 | 11.00 | 10.00 | 24.00 |
| 87833-0881                                     | 08          | 11.50 | 11.00 | 10.00 | 24.00 |
| 87833-1051                                     | 10          | 11.50 | 13.00 | 12.00 | 24.00 |



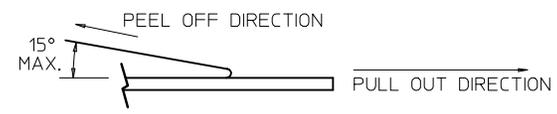
REF: ORIENTATION OF PART IN TUBE.  
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY.)



NOTES:



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



3. PACKAGING STANDARD IS AS PER EIA-481.

△ KAPTON TAPE SHOULD BE LOCATED AS CENTRAL OF PART AS POSSIBLE AND MUST COVER THE WINDOWS.

5. TAPE & REEL QUANTITY : 500 PCS/REEL

|  |  |   |   |   |                           |   |  |
|--|--|---|---|---|---------------------------|---|--|
| +878330461 & 878330861<br>EC NO: S2014-1147<br>DR: WATSEE<br>CHKD: FANNY WONG<br>APPR: LBLEE<br>2014/05/27<br>2014/07/04<br>2014/07/04 | QUALITY SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE   | SCALE   | DESIGN UNITS              | THIRD ANGLE PROJECTION                        |  |
|  | ▽=0<br>◻=0   | mm INCH   | MM ONLY   | NTS   | METRIC                    |   |  |
|  |  | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± --- | DRAWN BY ATSEE<br>CHECKED BY KCL ING<br>APPROVED BY SKTOH | DATE 2003/10/23<br>DATE 2003/11/07<br>DATE 2003/11/07 | TITLE                     | MGRID, SHROUDED HEADER W/LOCKING FEATURE, R/A |  |
|  |  | ANGULAR ± 3 °   | MATERIAL NO. SKTOH  | DATE 2003/11/07                                       | MOLEX INCORPORATED        |   |  |
|  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SIZE A3   | SEE TABLE   |   | DOCUMENT NO. SD-87833-011 | SHEET NO. 2 OF 2                              |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION          |  |   |   |   |                           |   |  |

9 8 7 6 5 4 3 2 1