

RECOMMENDED PCB PATTERN

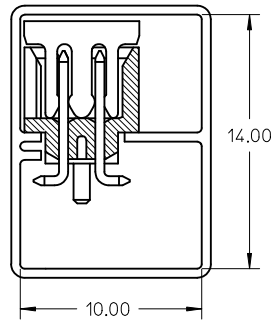
| CKT SIZE | A     | B     | C     | D     | E     | F     |
|----------|-------|-------|-------|-------|-------|-------|
| 4        | 6.65  | 4.85  | 2.00  | ----- | ----- | 5.00  |
| 6        | 8.65  | 6.85  | 4.00  | ----- | 2.00  | 7.00  |
| 8        | 10.65 | 8.85  | 6.00  | ----- | 4.00  | 9.00  |
| 10       | 12.65 | 10.85 | 8.00  | ----- | 6.00  | 11.00 |
| 12       | 14.65 | 12.85 | 10.00 | ----- | 8.00  | 13.00 |
| 14       | 16.65 | 14.85 | 12.00 | 8.00  | 10.00 | 15.00 |
| 16       | 18.65 | 16.85 | 14.00 | 10.00 | 12.00 | 17.00 |
| 18       | 20.65 | 18.85 | 16.00 | 12.00 | 14.00 | 19.00 |
| 20       | 22.65 | 20.85 | 18.00 | 14.00 | 16.00 | 21.00 |
| 22       | 24.65 | 22.85 | 20.00 | 16.00 | 18.00 | 23.00 |
| 24       | 26.65 | 24.85 | 22.00 | 18.00 | 20.00 | 25.00 |
| 26       | 28.65 | 26.85 | 24.00 | 20.00 | 22.00 | 27.00 |
| 28       | 30.65 | 28.85 | 26.00 | 22.00 | 24.00 | 29.00 |
| 30       | 32.65 | 30.85 | 28.00 | 24.00 | 26.00 | 31.00 |
| 32       | 34.65 | 32.85 | 30.00 | 26.00 | 28.00 | 33.00 |
| 34       | 36.65 | 34.85 | 32.00 | 28.00 | 30.00 | 35.00 |
| 36       | 38.65 | 36.85 | 34.00 | 30.00 | 32.00 | 37.00 |
| 38       | 40.65 | 38.85 | 36.00 | 32.00 | 34.00 | 39.00 |
| 40       | 42.65 | 40.85 | 38.00 | 34.00 | 36.00 | 41.00 |
| 42       | 44.65 | 42.85 | 40.00 | 36.00 | 38.00 | 43.00 |
| 44       | 46.65 | 44.85 | 42.00 | 38.00 | 40.00 | 45.00 |
| 46       | 48.65 | 46.85 | 44.00 | 40.00 | 42.00 | 47.00 |
| 48       | 50.65 | 48.85 | 46.00 | 42.00 | 44.00 | 49.00 |
| 50       | 52.65 | 50.85 | 48.00 | 44.00 | 46.00 | 51.00 |

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
  - MATERIAL :  
HOUSING & CAP : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK.  
PIN : 0.50MM SQ.PHOSPHOR BRONZE.
  - PLATING : SEE SHEET 4 FOR PART NUMBER LEGEND
  - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
  - COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.
  - NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE.
  - CKT 4 & 6 HAS NO IDENTIFICATION TAG.
  - POSITION OF CAP TO BE LOCATED AT CENTER OF DIMENSION 'A' REGARDLESS OF CIRCUIT SIZE.
  - TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF PICK-&-PLACE BY VACUUM SUCTION NOZZLE.
  - THIS HEADER MATES WITH MOLEX:
    - CRIMP RECEPTACLE HOUSING, 51110 SERIES WITH CRIMP TERMINAL, 50394 SERIES.
    - 2MM MILLIGRID DUAL ROW IDT, 87568 SERIES.
  - NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6.
  - PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.

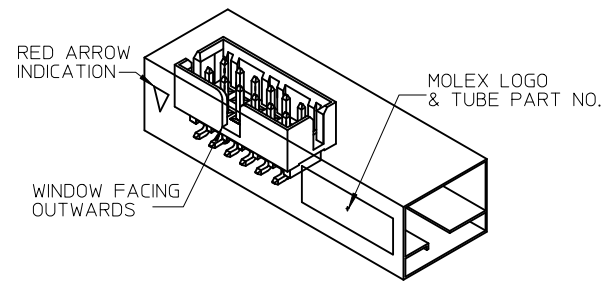
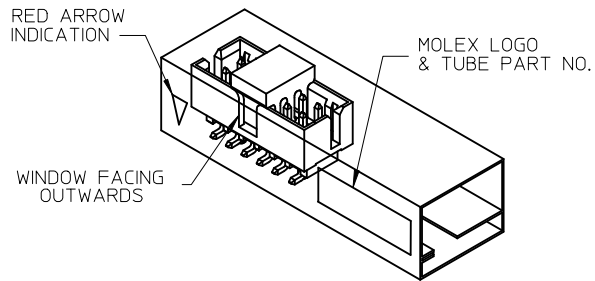
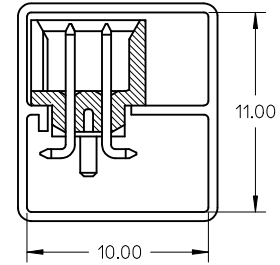
|  |                               |   |  |   |                          |                               |                        |
|--|-------------------------------|---|--|---|--------------------------|-------------------------------|------------------------|
| <b>CORRECT PART ILLUSTRATION</b><br>EC NO: S2012-0647<br>DRWN:SKANG 2012/02/22<br>CHKD:ATSEE 2012/04/30<br>APPR:MLONG 2012/05/03 | QUALITY SYMBOLS<br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)   |  | DIMENSION STYLE<br><b>MM ONLY</b>   | SCALE<br><b>NTS</b>      | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |
|  |                               | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± --- | mm INCH<br>DRAWN BY ATSEE DATE 2003/10/14<br>CHECKED BY KCLING DATE 2003/11/07<br>APPROVED BY SKTOH DATE 2003/11/07                      | TITLE<br><b>MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK &amp; PLACE IN TUBE AND T&amp;R</b> | MOLEX MOLEX INCORPORATED |                               |                        |
|  |                               | ANGULAR ± 3 °   | MATERIAL NO. SKTOH 2003/11/07  | DOCUMENT NO. SD-87832-006   | SHEET NO. 1 OF 4         |                               |                        |
|  |                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | SIZE A3<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                          |                               |                        |

TUBE PACKAGING

WITH CAP IN TUBE



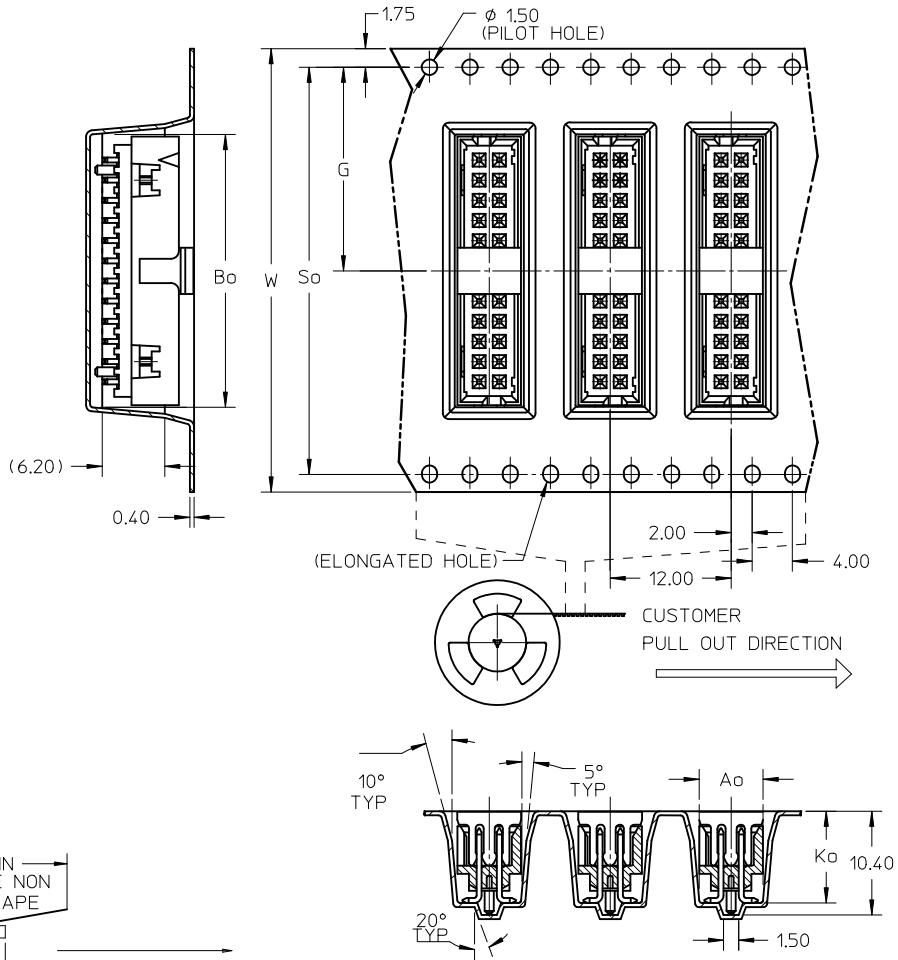
WITHOUT CAP IN TUBE



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

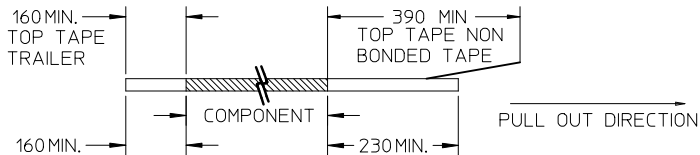
|   |                    |                                 |  |                 |  |              |   |       |
|---|--------------------|---------------------------------|--|-----------------|--|--------------|---|-------|
| CORRECT PART ILLUSTRATION<br>EC NO: S2012-0647<br>DRWN:SKANG 2012/02/22<br>CHKD:ATSEE 2012/04/30<br>APPR:MLONG 2012/05/03 | DESCRIPTION<br>REV | QUALITY SYMBOLS                 | GENERAL TOLERANCES (UNLESS SPECIFIED)  | DIMENSION STYLE | SCALE  | DESIGN UNITS | THIRD ANGLE PROJECTION  |       |
|   |                    | $\nabla=0$<br>$\sphericalcap=0$ | mm    INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.2 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 ° | MM ONLY         | NTS  | METRIC       | DRAWN BY: ATSEE    DATE: 2003/10/14<br>CHECKED BY: KCLING    DATE: 2003/11/07<br>APPROVED BY: SKTOH    DATE: 2003/11/07 | TITLE |
|   |                    |                                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   | SEE TABLE       | MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R<br>MOLEX INCORPORATED  | DOCUMENT NO. | SHEET NO.   |       |
|   |                    | A13                             |  |                 | MATERIAL NO. SD-87832-006<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              | 2 OF 4  |       |

EMBOSSED CARRIER TAPE LAYOUT  
24 CKT USE FOR ILLUSTRATION ONLY



NOTES:

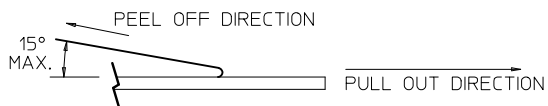
1. LEADER AND TRAILER TAPE



TAIL PART (EMPTY)

LEADER PART (EMPTY)

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.

|   |                               |  |                      |                 |   |   |                        |  |
|---|-------------------------------|--|----------------------|-----------------|---|---|------------------------|--|
| CORRECT PART ILLUSTRATION<br>EC NO: S2012-0647<br>DRWN:SKANG 2012/02/22<br>CHKD:ATSEE 2012/04/30<br>APPR:MLONG 2012/05/03 | QUALITY SYMBOLS<br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |                      | DIMENSION STYLE | SCALE   | DESIGN UNITS  | THIRD ANGLE PROJECTION |  |
|   |                               | mm   | INCH                 | MM ONLY         | NTS   | METRIC  |                        |  |
|   |                               | 4 PLACES ± --- ± ---                                 | 3 PLACES ± --- ± --- | DRAWN BY        | DATE  | TITLE   |                        |  |
|   |                               | 2 PLACES ± 0.2 ± ---                                 | 1 PLACE ± --- ± ---  | ATSEE           | 2003/10/14  | MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK & PLACE IN TUBE AND T&R |                        |  |
|   | ANGULAR ± 3 °                 |  |                      | CHECKED BY      | DATE  | MOLEX INCORPORATED  |                        |  |
|   |                               | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                      | APPROVED BY     | DATE  | DOCUMENT NO.  |                        |  |
|   |                               |  |                      | SKTOH           | 2003/11/07  | SD-87832-006  |                        |  |
|   |                               |  |                      | MATERIAL NO.    | SEE TABLE   |   |                        |  |
|   |                               |  |                      | SIZE            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                        |  |
| A13   | REV                           |  |                      | A3              | SHEET NO. 3 OF 4  |   |                        |  |

10 9 8 7 6 5 4 3 2 1

| REG. OPTION | P/N W/O CAP IN TUBE | P/N W/CAP IN TUBE | P/N W/CAP IN TAPE & REEL | CKT SIZE | DIMENSION |       |       |       |       |       |
|-------------|---------------------|-------------------|--------------------------|----------|-----------|-------|-------|-------|-------|-------|
|             |                     |                   |                          |          | W         | G     | Bo    | So    | Ao    | Ko    |
| NO          | 87832-04*0          | 87832-04*2        | 87832-51*2               | 4        | 16.00     | 7.50  | 7.15  | ----- | 6.40  | 9.30  |
| YES         | 87832-06*0          | 87832-06*2        | 87832-52*2               | 6        | 24.00     | 11.50 | 9.15  | ----- | 6.40  | 9.30  |
| YES         | 87832-08*0          | 87832-08*2        | 87832-53*2               | 8        | 24.00     | 11.50 | 11.05 | ----- | 6.40  | 9.30  |
| YES         | 87832-10*0          | 87832-10*2        | 87832-54*2               | 10       | 24.00     | 11.50 | 13.05 | ----- | 6.40  | 9.30  |
| YES         | 87832-12*0          | 87832-12*2        | 87832-55*2               | 12       | 32.00     | 14.20 | 15.15 | 28.40 | 6.85  | 9.30  |
| YES         | 87832-14*0          | 87832-14*2        | 87832-56*2               | 14       | 32.00     | 14.20 | 17.05 | 28.40 | 6.40  | 9.30  |
| YES         | 87832-16*0          | 87832-16*2        | 87832-57*2               | 16       | 32.00     | 14.20 | 19.05 | 28.40 | 6.40  | 9.30  |
| YES         | 87832-18*0          | 87832-18*2        | 87832-58*2               | 18       | 44.00     | 20.20 | 21.05 | 40.40 | 6.40  | 9.30  |
| YES         | 87832-20*0          | 87832-20*2        | 87832-59*2               | 20       | 44.00     | 20.20 | 23.05 | 40.40 | 6.40  | 9.30  |
| YES         | 87832-22*0          | 87832-22*2        | 87832-60*2               | 22       | 44.00     | 20.20 | 25.05 | 40.40 | 6.40  | 9.30  |
| YES         | 87832-24*0          | 87832-24*2        | 87832-61*2               | 24       | 44.00     | 20.20 | 27.05 | 40.40 | 6.40  | 9.30  |
| YES         | 87832-26*0          | 87832-26*2        | 87832-62*2               | 26       | 44.00     | 20.20 | 29.05 | 40.40 | 6.40  | 9.30  |
| YES         | 87832-28*0          | 87832-28*2        | 87832-63*2               | 28       | 56.00     | 26.20 | 31.05 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-30*0          | 87832-30*2        | 87832-64*2               | 30       | 56.00     | 26.20 | 33.05 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-32*0          | 87832-32*2        | 87832-65*2               | 32       | 56.00     | 26.20 | 35.05 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-34*0          | 87832-34*2        | 87832-66*2               | 34       | 56.00     | 26.20 | 37.05 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-36*0          | 87832-36*2        | -----                    | 36       | -----     | ----- | ----- | ----- | ----- | ----- |
| YES         | 87832-38*0          | 87832-38*2        | -----                    | 38       | -----     | ----- | ----- | ----- | ----- | ----- |
| YES         | 87832-40*0          | 87832-40*2        | 87832-69*2               | 40       | 56.00     | 26.20 | 43.05 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-42*0          | 87832-42*2        | -----                    | 42       | -----     | ----- | ----- | ----- | ----- | ----- |
| YES         | 87832-44*0          | 87832-44*2        | 87832-71*2               | 44       | 56.00     | 26.20 | 46.80 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-46*0          | 87832-46*2        | 87832-72*2               | 46       | 56.00     | 26.20 | 47.05 | 52.40 | 6.40  | 9.30  |
| YES         | 87832-48*0          | 87832-48*2        | -----                    | 48       | -----     | ----- | ----- | ----- | ----- | ----- |
| YES         | 87832-50*0          | 87832-50*2        | 87832-74*2               | 50       | 72.00     | 34.20 | 53.05 | 68.40 | 6.40  | 9.30  |

PLS REFER TO PART 87832-\*\*08 FOR CENTER LOCKING SLOT OPTION.





PART NUMBER LEGEND:

87832- \* \* \* \*

PLATING OPTION

2 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATT TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN.NICKEL OVERALL.

6 - 0.05-0.13um/2-5uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN. MATT TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN.NICKEL OVERALL.

|  |   |  |  |   |  |                  |   |   |   |  |  |  |
|--|---|--|--|---|--|------------------|---|---|---|--|--|--|
| <p><b>CORRECT PART ILLUSTRATION</b><br/>                 EC NO: S2012-0647<br/>                 DRWN:SKANG<br/>                 CHKD:ATSEE<br/>                 APPR:MLONG</p> | <p>2012/02/22<br/>                 2012/04/30<br/>                 2012/05/03</p> | <p>QUALITY SYMBOLS<br/>  = 0<br/>  = 0</p> | <p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> |   | <p>DIMENSION STYLE<br/> <b>MM ONLY</b></p> |                  | <p>SCALE<br/>                 NTS</p>                                   | <p>DESIGN UNITS<br/>                 METRIC</p> | <p> THIRD ANGLE PROJECTION</p> |  |  |  |
|  | <p>DESCRIPTION<br/>                 REV</p>                                       |  | <p>mm      INCH</p>                          | <p>DRAWN BY      DATE<br/>                 ATSEE      2003/10/14</p>    | <p>4 PLACES    ± ---    ± ---</p>          |                  | <p>CHECKED BY      DATE<br/>                 KCLING      2003/11/07</p> |   | <p>TITLE<br/>                 MGRID, SHROUDED HEADER SMT, W/PEGS/CAP FOR PICK &amp; PLACE IN TUBE AND T&amp;R</p>   |  |  |  |
|  | <p>A13</p>  |  | <p>± ---    ± ---</p>                        | <p>APPROVED BY      DATE<br/>                 SKTOH      2003/11/07</p> | <p>3 PLACES    ± ---    ± ---</p>          |                  | <p>MATERIAL NO.      DOCUMENT NO.</p>                                   |   | <p> MOLEX INCORPORATED</p>     |  |  |  |
|  | <p>1 PLACE    ± ---    ± ---</p>  |  | <p>ANGULAR ± 3 °</p>                         | <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>             |  | <p>SEE TABLE</p> |   | <p>SD-87832-006</p>                             |   | <p>SHEET NO.<br/>                 4 OF 4</p> |  |  |

9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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