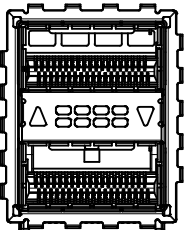
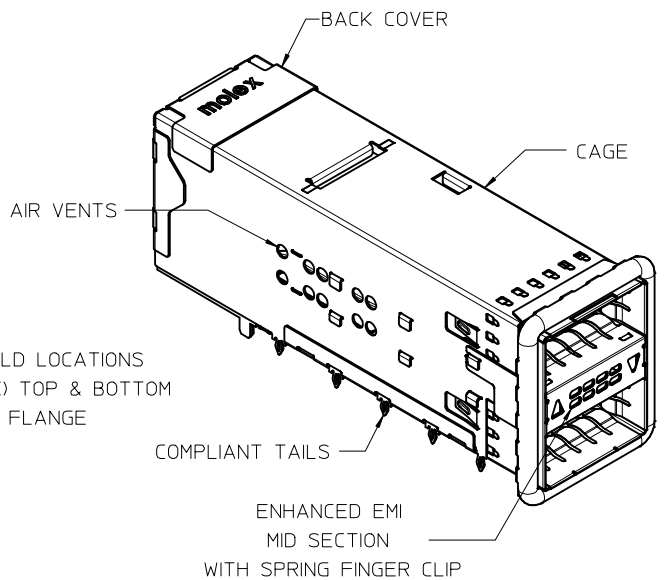
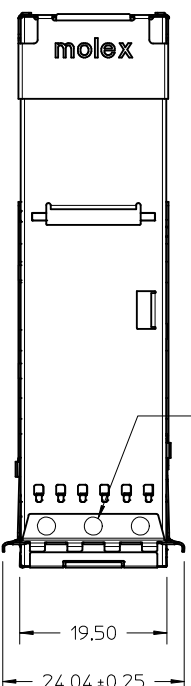
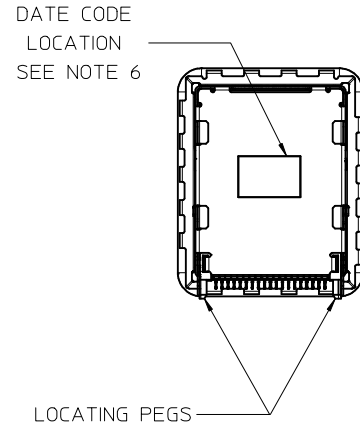
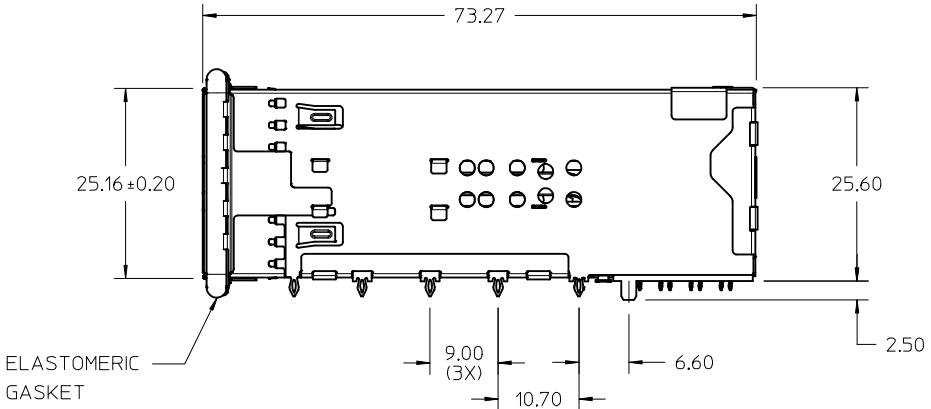


- NOTES:
1. MATERIAL:
- CAGE: NICKEL SILVER
  - GASKET FLANGE: STAINLESS STEEL
  - EMI SPRINGS: COPPER ALLOY
  - LIGHT PIPES: POLYCARBONATE 94V-0(OPTIONAL)
  - GASKET - CORE MATERIAL 94V-0
  - CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC. UL: 94V-0. COLOR: BLACK
  - TERMINALS: HIGH PERFORMANCE COPPER ALLOY
  - ELASTOMERIC GASKET: SILVER IMPREGNATED SILICONE
2. FINISH:
- CAGE & GASKET FLANGE: UNPLATED
  - EMI SPRINGS: 2.54µm NICKEL OVERALL
  - TERMINALS: CONTACT AREA: 0.76 µm MIN. HARD GOLD OVER 3.8 µm MIN. NICKEL.
  - COMPLIANT TAIL: 0.7 - 1.5 µm MATTE TIN OVER 0.7 - 1.5 µm NICKEL
3. PACKAGING: PRODUCT PACKAGED IN TRAYS AND CARTONS
4. ALL VISIBLE EXTERIOR SURFACES TO BE CLASS "B" OR BETTER, EXCEPT FOR UNDERSIDE OF THE CAGE WHICH IS CLASS "C" AND THE FRONT SURFACE OF THE MIDSECTION EMI SHIELD WHICH IS TO B A CLASS "A" SURFACE, AND ARE ALL TO CONFORM TO THE MOLEX COSMETIC SPEC ES-171233-0001.
5. CONNECTOR MATES WITH PLUG CABLE SERIES 74757 AND 74758
6. DATE CODE LOCATION SHOWN, DATE CODE FORMAT:DDDYY  
DDD= DAY OF THE YEAR Y= YEAR



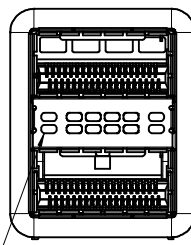
76871-1108 SHOWN  
W/O GASKET, SEE  
SHEET 2 FOR OTHER  
OPTIONS



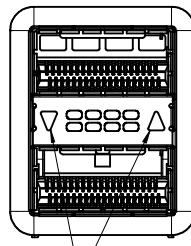
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|----------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------------------------------------------------|--------|-------|----------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--|--|--|
| CORRECTED PIN #1 CALLOUT<br>EC NO: UCP2014-4000<br>DRWN:HAVERY 2014/03/27<br>CHKD:<br>APPR:MBANAKIS 2014/03/31 | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |       | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>2:1                                                                                                                  | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                |             |                 |                                                            | mm     | INCH  | DRAWN BY<br>JGONZALEZ01    | DATE<br>2011/08/01 | TITLE<br>QSFP 2X1 ASSEMBLY<br>ENHANCED MID SECTION<br>& CLAW FLANGE<br>MOLEX INCORPORATED                                     |                        |                           |  |  |  |
|                                                                                                                |             |                 | 4 PLACES                                                   | ± ---  | ± --- | CHECKED BY<br>KREGNIER     | DATE<br>2011/08/01 |                                                                                                                               |                        |                           |  |  |  |
|                                                                                                                |             |                 | 3 PLACES                                                   | ± ---  | ± --- | APPROVED BY<br>MBANAKIS    | DATE<br>2011/12/14 |                                                                                                                               |                        |                           |  |  |  |
|                                                                                                                |             |                 | 2 PLACES                                                   | ± 0.13 | ± --- | MATERIAL NO.               |                    | DOCUMENT NO.                                                                                                                  |                        | SHEET NO.                 |  |  |  |
|                                                                                                                |             |                 | 1 PLACE                                                    | ± 0.25 | ± --- | SEE SHEET 2                |                    | SD-76871-1100                                                                                                                 |                        | 1 OF 3                    |  |  |  |
|                                                                                                                |             |                 | ANGULAR ±1/2°                                              |        |       | SIZE                       |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |  |  |  |
|                                                                                                                |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       |                            |                    |                                                                                                                               |                        |                           |  |  |  |
|                                                                                                                |             |                 |                                                            |        |       |                            |                    |                                                                                                                               |                        |                           |  |  |  |
|                                                                                                                |             |                 |                                                            |        |       |                            |                    |                                                                                                                               |                        |                           |  |  |  |

13 12 11 10 9 8 7 6 5 4 3 2 1

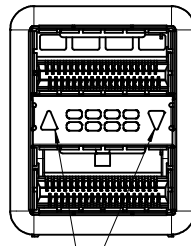
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I  
H  
G  
F  
E  
D  
C  
B  
A



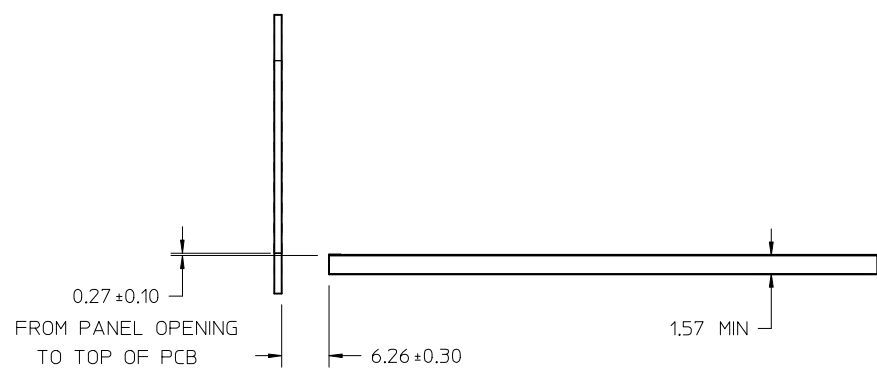
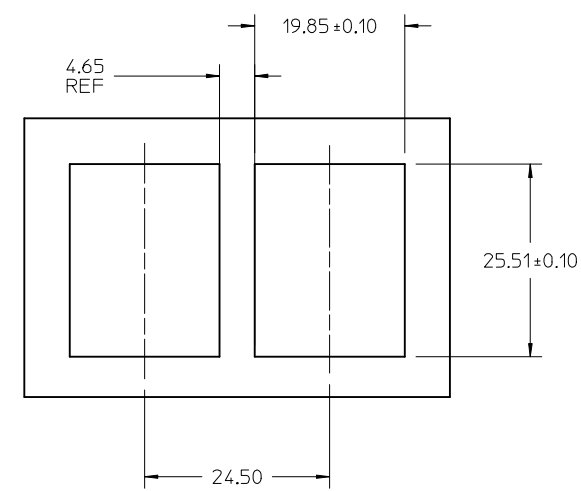
NO LIGHT PIPES  
AIR FLOW VENTS  
P/N: 76871-1105



PORT ACTIVITY INDICATORS  
LEFT DOWN / RIGHT UP  
P/N: 76871-1106



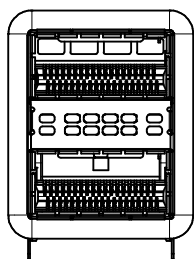
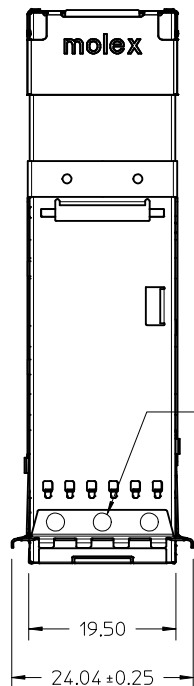
PORT ACTIVITY INDICATORS  
LEFT UP / RIGHT DOWN  
P/N: 76871-1108



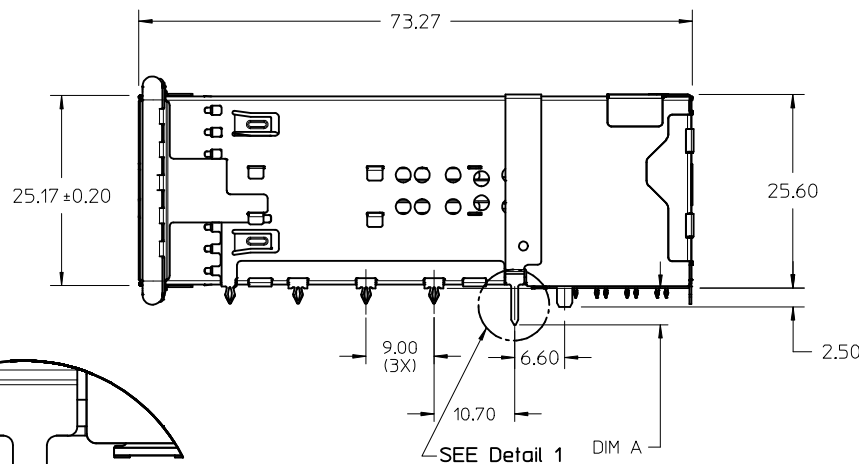
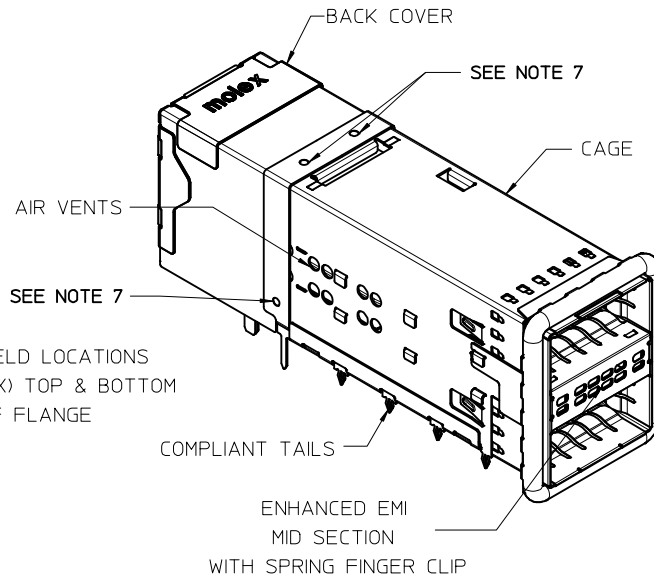
RECOMMENDED PANEL CUT-OUT

|                                                                                                         |     |             |                 |                                                                                                                                  |        |                            |             |                                                                     |                             |                        |              |            |
|---------------------------------------------------------------------------------------------------------|-----|-------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|-------------|---------------------------------------------------------------------|-----------------------------|------------------------|--------------|------------|
| SEE SHEET 1<br>EC NO: UCP2014-4000<br>2014/03/27<br>DRWN:HAVERY<br>CHKD:<br>APPR:MBANAKIS<br>2014/03/31 | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |        | DIMENSION STYLE<br>MM ONLY |             | SCALE<br>2:1                                                        | DESIGN UNITS<br>METRIC      | THIRD ANGLE PROJECTION |              |            |
|                                                                                                         |     |             |                 | mm                                                                                                                               | INCH   | DRAWN BY                   | DATE        | TITLE<br>QSFP 2X1 ASSEMBLY<br>ENHANCED MID SECTION<br>& CLAW FLANGE |                             |                        |              |            |
|                                                                                                         |     |             |                 |                                                                                                                                  |        | 4 PLACES                   | ± ---       |                                                                     | ± ---                       |                        | JGONZALEZ01  | 2011/08/01 |
|                                                                                                         |     |             |                 | 3 PLACES                                                                                                                         | ± ---  |                            | ± ---       |                                                                     | CHECKED BY                  |                        | DATE         |            |
|                                                                                                         |     |             |                 | 2 PLACES                                                                                                                         | ± 0.13 | ± ---                      | KREGNIER    |                                                                     | 2011/08/01                  |                        |              |            |
|                                                                                                         |     |             |                 | 1 PLACE                                                                                                                          | ± 0.25 | ± ---                      | APPROVED BY | DATE                                                                | MOLEX<br>MOLEX INCORPORATED |                        |              |            |
|                                                                                                         |     |             |                 | ANGULAR ±1/2°                                                                                                                    |        | MBANAKIS                   | 2011/12/14  | MATERIAL NO.                                                        |                             |                        | DOCUMENT NO. | SHEET NO.  |
|                                                                                                         |     |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |        | SEE OPTIONS                |             | SD-76871-1100                                                       |                             |                        | 2 OF 3       |            |
|                                                                                                         |     |             |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                            |             |                                                                     |                             |                        |              |            |

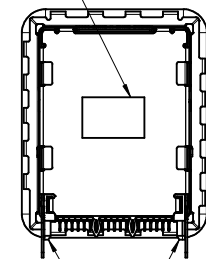




76871-1108 SHOWN  
W/O GASKET, SEE  
SHEET 2 FOR OTHER  
OPTIONS



DATE CODE  
LOCATION  
SEE NOTE 6



LOCATING PEGS

## NOTES:

### 1. MATERIAL:

CAGE AND SOLDER STRAP: NICKEL SILVER  
GASKET FLANGE: STAINLESS STEEL  
EMI SPRINGS: COPPER ALLOY  
LIGHT PIPES: POLYCARBONATE 94V-0(OPTIONAL)  
GASKET - CORE MATERIAL 94V-0  
CONNECTOR HOUSING: GLASS FILLED THERMOPLASTIC, UL: 94V-0, COLOR: BLACK  
TERMINALS: HIGH PERFORMANCE COPPER ALLOY

### 2. FINISH:

CAGE, GASKET FLANGE, AND SOLDER STRAP: UNPLATED  
EMI SPRINGS: 2.5μm NICKEL OVERALL  
TERMINALS: CONTACT AREA: 0.76 μm MIN. HARD GOLD OVER  
3.8 μm MIN. NICKEL.  
COMPLIANT TAIL: 0.7 - 1.5 μm MATTE TIN OVER  
0.7 - 1.5 μm NICKEL

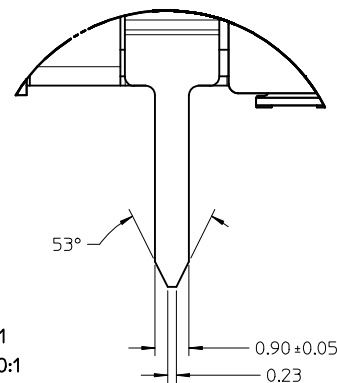
### 3. PACKAGING: PRODUCT PACKAGED IN TRAYS AND CARTONS

4. TOP AND SIDE SURFACES TO BE CLASS "B" OR BETTER. ALL REMAINING SURFACES TO BE CLASS "C" OR BETTER WITH THE EXCEPTION OF THE FRONT OF THE MIDSECTION EMI SPRING WHICH IS TO BE A CLASS "A" SURFACE AS DESCRIBED IN THE MOLEX ES-46030-006 COSMETIC SPEC.

### 5. CONNECTOR MATES WITH PLUG CABLE SERIES 74757 AND 74758

6. DATE CODE LOCATION SHOWN, DATE CODE FORMAT:DDD  
DDD= DAY OF THE YEAR Y= YEAR

7. SOLDER STRAP TO BE LASER WELDED IN APPROXIMATE LOCATIONS SHOWN.



Detail 1  
Scale 10:1

|                              |  |             |                 |                                                      |  |                     |  |                                                                                                                               |              |                                                                                                              |
|------------------------------|--|-------------|-----------------|------------------------------------------------------|--|---------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------|
| UPDATED COSMETIC SPEC NUMBER |  | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE     |  | SCALE                                                                                                                         | DESIGN UNITS |  THIRD ANGLE PROJECTION |
| EC NO: UCP2014-1269          |  |             |                 |                                                      |  | MM ONLY             |  | 2:1                                                                                                                           | METRIC       |                                                                                                              |
| DRAWN BY: 2013/08/02         |  |             |                 |                                                      |  | DRAWN BY DATE       |  | TITLE                                                                                                                         |              |                                                                                                              |
| CHKD: MBANAKIS               |  |             |                 |                                                      |  | HAVERY 2013/01/31   |  | QSFP 2X1 ASSEMBLY WITH SOLDER STRAP                                                                                           |              |                                                                                                              |
| APPR: MBANAKIS 2013/10/08    |  |             |                 |                                                      |  | CHECKED BY DATE     |  |                                                                                                                               |              |                                                                                                              |
|                              |  |             |                 |                                                      |  | APPROVED BY DATE    |  | MOLEX MOLEX INCORPORATED                                                                                                      |              |                                                                                                              |
|                              |  |             |                 | ANGULAR ±1/2°                                        |  | MBANAKIS 2013/10/08 |  | DOCUMENT NO.                                                                                                                  |              | SHEET NO.                                                                                                    |
|                              |  |             |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | MATERIAL NO.        |  | SD-76871-1150                                                                                                                 |              | 1 OF 3                                                                                                       |
|                              |  |             |                 |                                                      |  | SEE SHEET 2         |  |                                                                                                                               |              |                                                                                                              |
|                              |  |             |                 |                                                      |  | SIZE                |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                                                                              |

| PART NUMBER | DESCRIPTION     | DIM A |
|-------------|-----------------|-------|
| 76871-1151  | LIGHT PIPE UP   | 4.83  |
| 76871-1152  | LIGHT PIPE DOWN | 4.83  |
| 76871-1153  | NO LIGHT PIPE   | 4.83  |
| 76871-1154  | LIGHT PIPE UP   | 3.93  |
| 76871-1155  | LIGHT PIPE DOWN | 3.93  |
| 76871-1156  | NO LIGHT PIPE   | 3.93  |
| 76871-1157  | LIGHT PIPE UP   | 2.90  |
| 76871-1158  | LIGHT PIPE DOWN | 2.90  |
| 76871-1159  | NO LIGHT PIPE   | 2.90  |



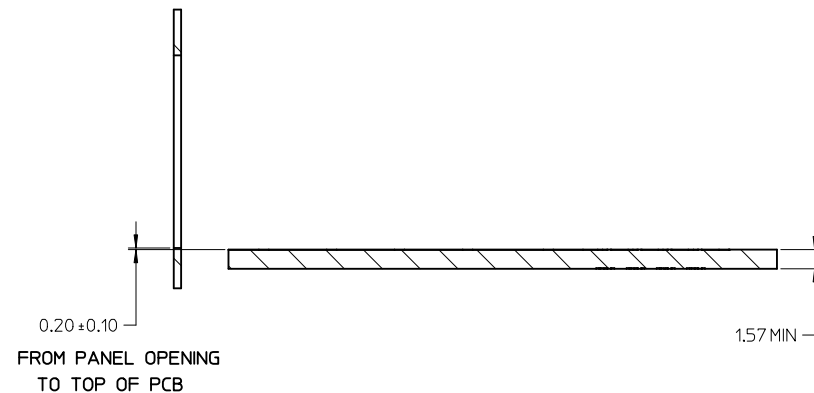
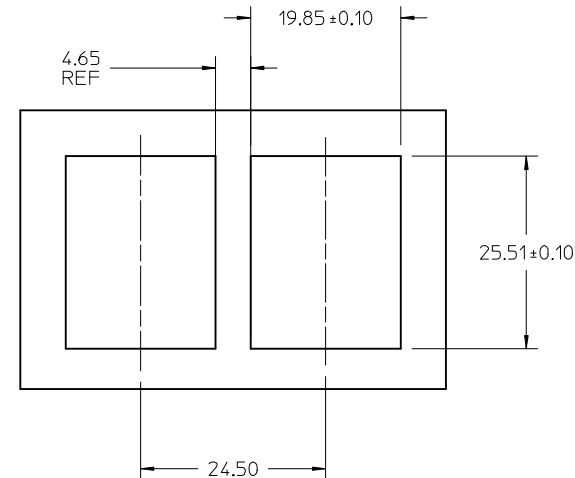
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76871-1154  
76871-1157



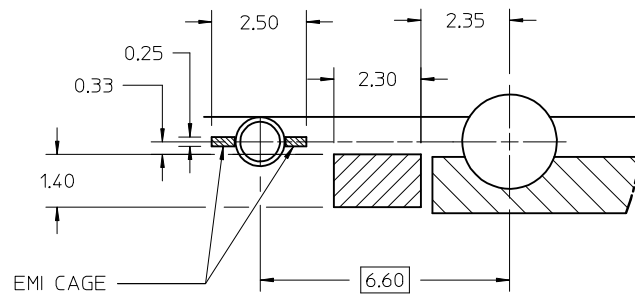
76871-1152  
76871-1155  
76871-1158



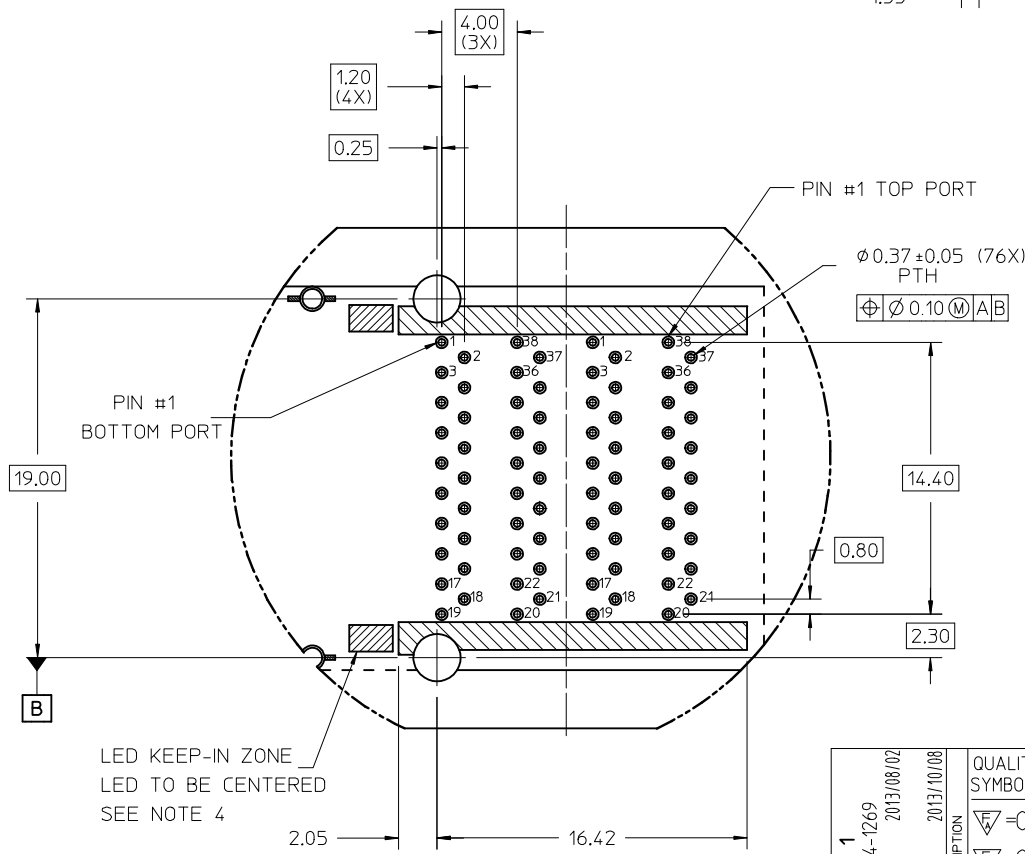
76871-1153  
76871-1156  
76871-1159



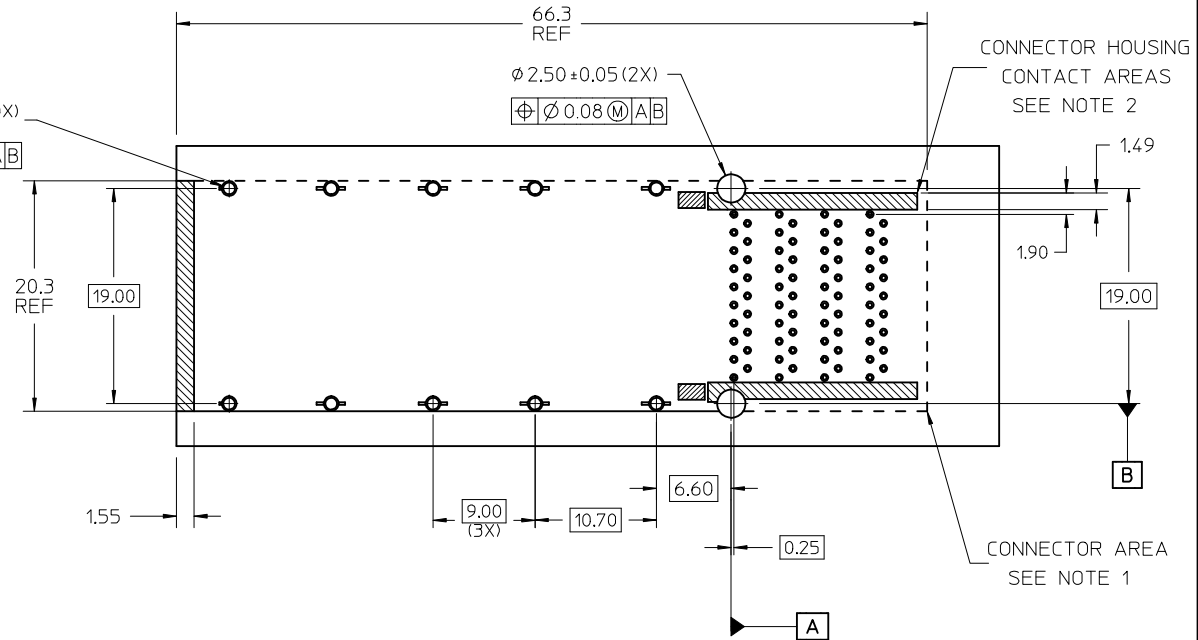
|                                                                                                   |     |             |                 |                                                            |          |                            |                    |                    |                                    |                                                                                                                 |                                                 |                                                                                                                                  |      |                     |  |  |
|---------------------------------------------------------------------------------------------------|-----|-------------|-----------------|------------------------------------------------------------|----------|----------------------------|--------------------|--------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------|---------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2014-1269<br>DRWN:HAVERY 2013/08/02<br>CHKD:<br>APPR:MBANAKIS 2013/10/08 | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |          | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>2:1       | DESIGN UNITS<br>METRIC             |  THIRD ANGLE<br>PROJECTION | TITLE<br>QSFP 2X1 ASSEMBLY<br>WITH SOLDER STRAP |                                                                                                                                  |      |                     |  |  |
|                                                                                                   |     |             |                 |                                                            | mm       | INCH                       | DRAWN BY<br>HAVERY | DATE<br>2013/01/31 | APPROVED BY<br>MBANAKIS 2013/10/08 |                                                                                                                 |                                                 |  MOLEX INCORPORATED                         |      |                     |  |  |
|                                                                                                   |     |             |                 | 4 PLACES                                                   | ± ---    | ± ---                      | CHECKED BY         |                    |                                    |                                                                                                                 |                                                 |                                                                                                                                  | DATE |                     |  |  |
|                                                                                                   |     |             |                 | 3 PLACES                                                   | ± ---    | ± ---                      |                    |                    |                                    |                                                                                                                 |                                                 |                                                                                                                                  |      |                     |  |  |
|                                                                                                   |     |             |                 |                                                            | 2 PLACES | ± 0.13                     | ± ---              |                    |                                    |                                                                                                                 |                                                 |                                                                                                                                  |      |                     |  |  |
|                                                                                                   |     |             |                 |                                                            | 1 PLACE  | ± 0.25                     | ± ---              |                    |                                    |                                                                                                                 |                                                 |                                                                                                                                  |      |                     |  |  |
|                                                                                                   |     |             |                 | ANGULAR ±1/2°                                              |          |                            |                    |                    |                                    |                                                                                                                 |                                                 |                                                                                                                                  |      |                     |  |  |
|                                                                                                   |     |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |          |                            |                    |                    |                                    | SEE OPTIONS                                                                                                     |                                                 | SD-76871-1150                                                                                                                    |      | SHEET NO.<br>2 OF 3 |  |  |
|                                                                                                   |     |             |                 |                                                            |          |                            |                    |                    |                                    | SIZE                                                                                                            |                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |      |                     |  |  |



DETAIL 1  
SCALE 10:1



DETAIL 2  
SCALE 5:1



#### NOTES:

1. THE ENTIRE AREA UNDER THE CONNECTOR (DASHED LINES) IS TO BE CONSIDERED A KEEP-OUT AREA FOR COMPONENTS.
2. HATCHED AREAS REPRESENT ZONES ON THE PCB THAT COME IN CONTACT WITH OR BE IN CLOSE PROXIMITY TO THE PLASTIC HOUSING OR THE CONNECTOR CAGE. INDICATED AREAS TO BE CONSIDERED TRACE FREE.
3. PIN NUMBERS ARE PER THE STANDARD.  
BOTH PORTS ARE IN THE SAME (UP-UP)MODULE ORIENTATION.
4. LED KEEP-IN ZONE DEFINES THE PHYSICAL SPACE ALLOWED FOR PLACEMENT OF SMD CHIP STYLE LED PACKAGES INCLUDING SMD MOUNTING PADS.  
KEEP-IN ZONE EXTENDS VERTICALLY TO 0.8mm ABOVE THE TOP SIDE OF BOARD.
5. SEE APPLICATION SPEC AS-76870-001 FOR RECOMMENDED DRILL HOLE SIZE.

|                                                                                                                        |             |                                                                 |                                                            |  |       |                            |                                         |              |                                                                                                                               |                                                                                                                            |                     |  |  |
|------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------|------------------------------------------------------------|--|-------|----------------------------|-----------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2014-1269<br>DRAWN BY: HAVERY<br>CHKD: MBANAKIS<br>APPR: MBANAKIS<br>2013/08/02<br>2013/10/08 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |       | DIMENSION STYLE<br>MM ONLY |                                         | SCALE<br>3:1 | DESIGN UNITS<br>METRIC                                                                                                        | <div></div> THIRD ANGLE<br>PROJECTION |                     |  |  |
|                                                                                                                        |             |                                                                 | mm                                                         |  | INCH  |                            | DRAWN BY DATE<br>HAVERY 2013/01/31      |              | TITLE<br>QSFP 2X1 ASSEMBLY<br>WITH SOLDER STRAP                                                                               |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 | 4 PLACES ± ---                                             |  | ± --- |                            | CHECKED BY DATE                         |              |                                                                                                                               |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 | 3 PLACES ± ---                                             |  | ± --- |                            | APPROVED BY DATE<br>MBANAKIS 2013/10/08 |              |                                                                                                                               |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 | 2 PLACES ± 0.13                                            |  | ± --- |                            | MATERIAL NO.                            |              | DOCUMENT NO.                                                                                                                  |                                                                                                                            | SHEET NO.<br>3 OF 3 |  |  |
|                                                                                                                        |             |                                                                 | 1 PLACE ± 0.25                                             |  | ± --- |                            | SEE SHEET 2                             |              | SD-76871-1150                                                                                                                 |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 | ANGULAR ± 1/2°                                             |  | ± --- |                            | SIZE<br>C                               |              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |       |                            |                                         |              |                                                                                                                               |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 |                                                            |  |       |                            |                                         |              |                                                                                                                               |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 |                                                            |  |       |                            |                                         |              |                                                                                                                               |                                                                                                                            |                     |  |  |
|                                                                                                                        |             |                                                                 |                                                            |  |       |                            |                                         |              |                                                                                                                               |                                                                                                                            |                     |  |  |



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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