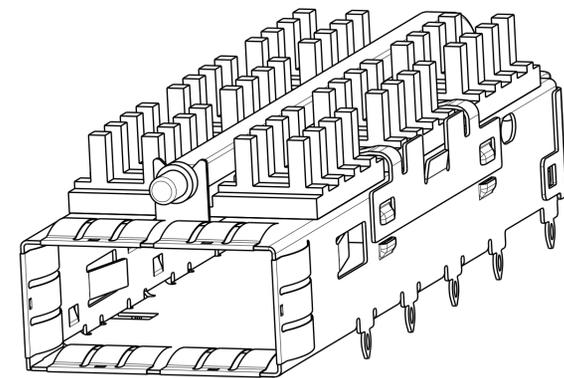
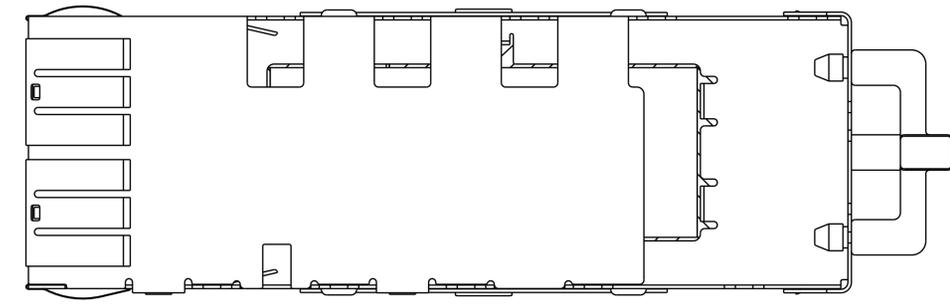
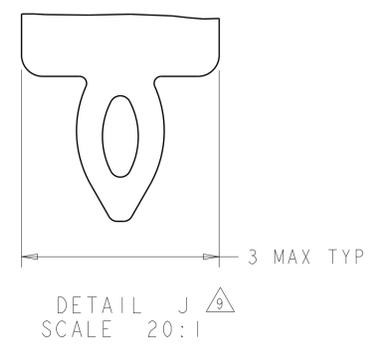
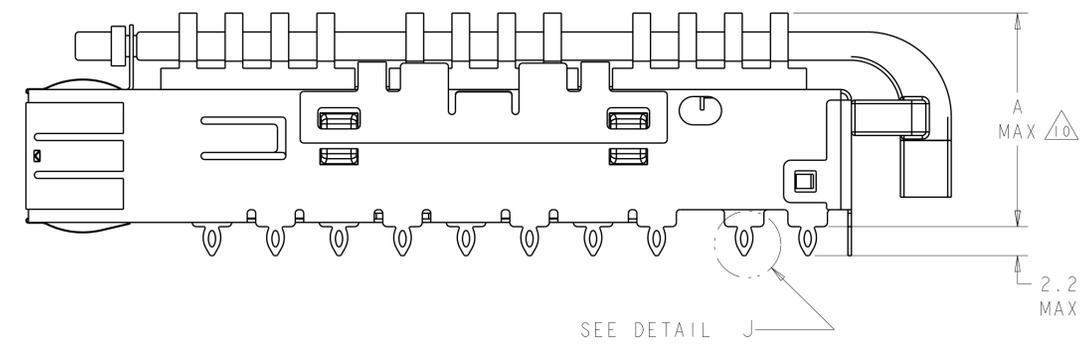
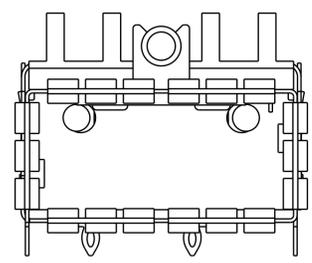
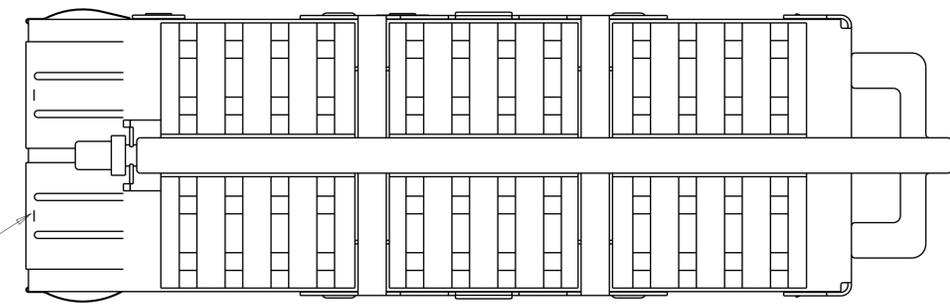


| REVISIONS | | | | |
|-----------|-----|--------------------------|-----------|----------|
| P. | LTN | DESCRIPTION | DATE | OWN APVD |
| B | | REV PER ECO-09-020440 | 11SEP2009 | CR JP |
| BI | | REVISE PER ECR-15-013438 | 11SEP2015 | RG SH |



Sn42Bi58 SOLDER
6 PLACES

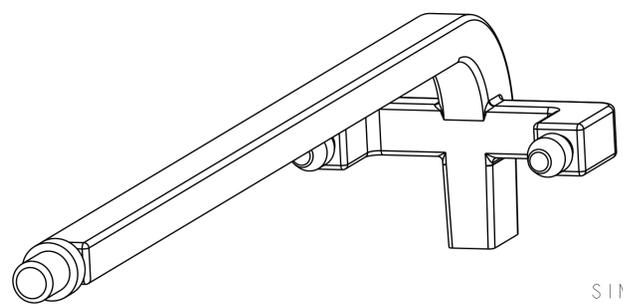


- 1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
 HEAT SINK MATERIAL: ALUMINUM
 HEAT SINK CLIP MATERIAL: STAINLESS STEEL
 LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE, UL-94V-0 RATED.
 EMI SPRING MATERIAL: COPPER ALLOY
- 2. MINIMUM PITCH DIMENSION.
- 3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 4. REFERENCE APPLICATION SPEC 114-13217 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 5. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 6. MINIMUM PC BOARD THICKNESS:
 SINGLE SIDED = 1.45mm (shown, pg. 4)
 DOUBLE SIDED = 2.2mm
- 7. HEAT SINK, CLIP, AND LIGHT PIPE SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- 8. DATUM -A- IS TOP SURFACE OF HOST BOARD.
- 9. SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.
- 10. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.
- 11. MAXIMUM HEIGHT OF CUSTOMER SUPPLIED LED OFF PC BOARD: 1.70mm.
- 12. DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
- 13. SPRING FINISH: 0.8µm MIN TIN OVER 0.8µm MIN NICKEL. NON-PLATED EDGES PERMISSIBLE.
- 14. HEAT SINK AND CLIP SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPE MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED ON THE PCB.

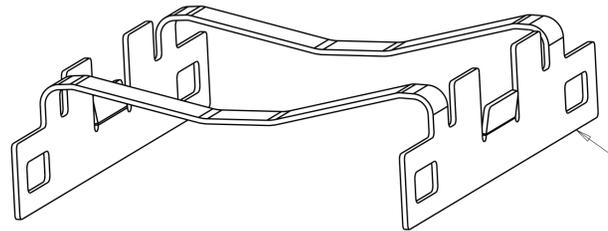
| | | |
|------|-----------------------|-------------|
| 13.7 | PCI HEAT SINK | 1888972-3 |
| 23.0 | NETWORKING HEAT SINK | 1888972-2 |
| 16.0 | SAN HEAT SINK (SHOWN) | 1888972-1 |
| A | DESCRIPTION | PART NUMBER |

| | | | |
|--|--|----------------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN C. VALENTINE 09MAR2007 | TE Connectivity |
| DIMENSIONS: | | CHK E. BRIGHT 09MAR2007 | |
| mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD E. BRIGHT 09MAR2007 | NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE |
| 0 PLC | ± | PRODUCT SPEC | 108-2286 |
| 1 PLC | ±0.5 | APPLICATION SPEC | 114-13217 |
| 2 PLC | ±0.13 | SIZE | CAGE CODE DRAWING NO |
| 3 PLC | ±0.013 | WEIGHT | A100779C=1888972 |
| 4 PLC | ±0.001 | CUSTOMER DRAWING | SCALE 4:1 SHEET 1 OF 4 REV BI |
| ANGLES | ±0.0001 | | |
| FINISH | | | |

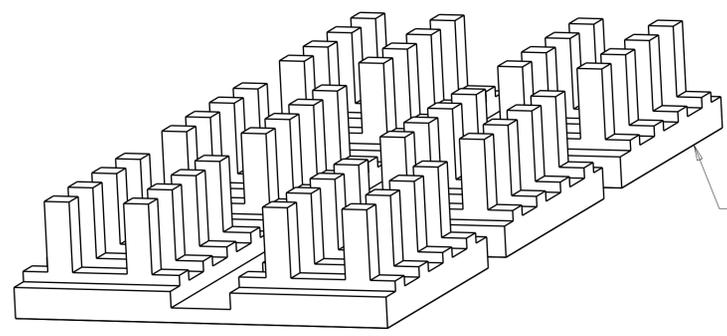
| REVISIONS | | | | |
|-----------|-----|-------------|------|----------|
| P. | LTN | DESCRIPTION | DATE | OWN APVD |
| - | - | SEE SHEET 1 | - | - |
| | | | | |
| | | | | |



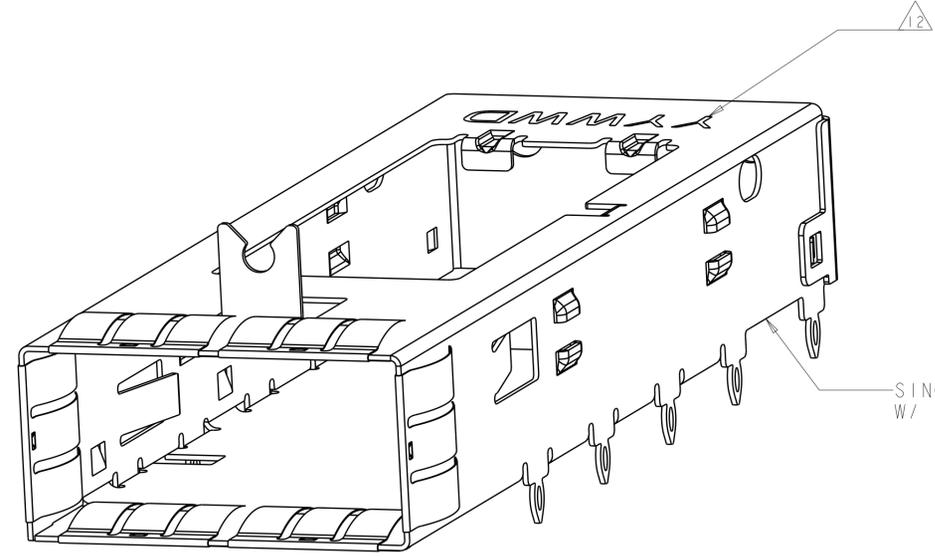
SINGLE LIGHT PIPE $\nabla 15$



HEAT SINK CLIP $\nabla 15$



HEAT SINK $\nabla 15$

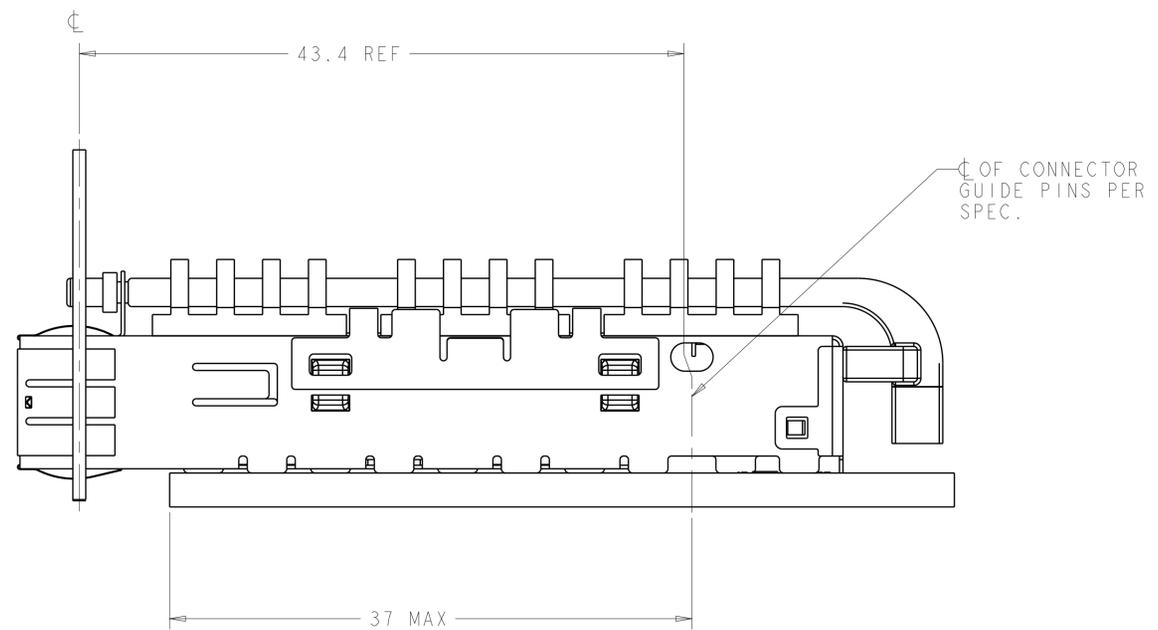
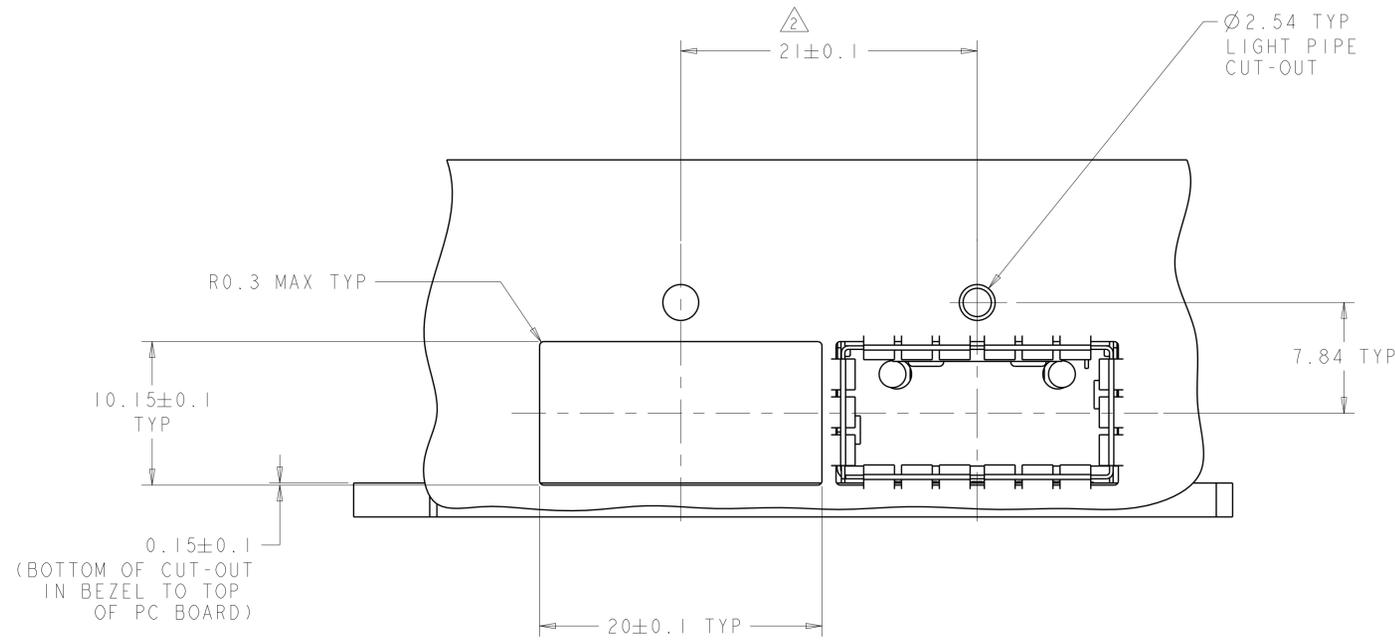


SINGLE QSFP CAGE
W/ LIGHT PIPE HOLDER $\nabla 12$

EXPLODED ISOMETRIC VIEW
SCALE 6:1

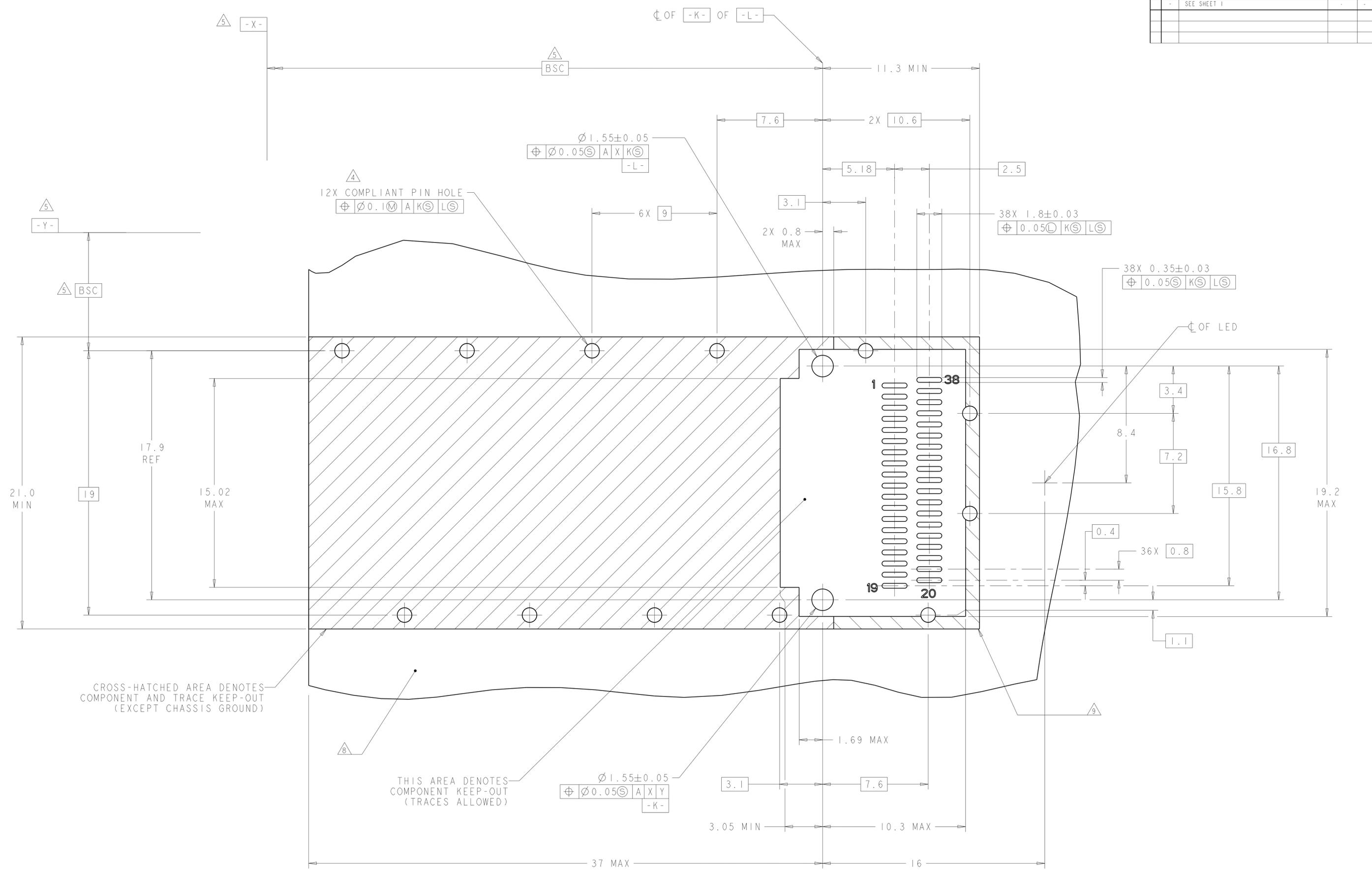
| | | | |
|--|--|----------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN C. VALENTINE 09MAR2007 | TE Connectivity |
| DIMENSIONS: mm | | CHK E. BRIGHT 09MAR2007 | |
| | | APVD E. BRIGHT 09MAR2007 | NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | PRODUCT SPEC 108-2286 | APPLICATION SPEC - |
| 0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ± | | SIZE 114-13217 | RESTRICTED TO - |
| MATERIAL TBD | | WEIGHT - | A100779C=1888972 CUSTOMER DRAWING |
| 4805 (3/13) | | SCALE 4:1 | SHEET 2 OF 4 |

| REVISIONS | | | | |
|-----------|------|-------------|------|------------|
| P. | LTN. | DESCRIPTION | DATE | OWN. APVD. |
| - | - | SEE SHEET 1 | - | - |
| | | | | |
| | | | | |



| | | | |
|--|-----------|-----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN: C. VALENTINE 09MAR2007 | TE Connectivity |
| DIMENSIONS: mm | | CHK: E. BRIGHT 09MAR2007 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: E. BRIGHT 09MAR2007 | NAME: CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE |
| 0 PLC | ± | PRODUCT SPEC | SIZE: CAGE CODE DRAWING NO |
| 1 PLC | ±0.5 | 108-2286 | A100779C=1888972 |
| 2 PLC | ±0.13 | APPLICATION SPEC | RESTRICTED TO |
| 3 PLC | ±0.013 | 114-13217 | SCALE: 4:1 SHEET 3 OF 4 REV: B1 |
| 4 PLC | ±0.001 | WEIGHT: - | |
| ANGLES | ± | CUSTOMER DRAWING | |
| MATERIAL: TBD | FINISH: - | | |

| REVISIONS | | | | |
|-----------|-----|-------------|------|------|
| P. | LTN | DESCRIPTION | DATE | APPD |
| - | - | SEE SHEET 1 | - | - |
| | | | | |
| | | | | |



CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

RECOMENDED PC BOARD LAYOUT
 SCALE 8:1

| | | | |
|---|--------|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN C. VALENTINE 09MAR2007 | TE Connectivity |
| DIMENSIONS: mm | | CHK E. BRIGHT 09MAR2007 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APPD E. BRIGHT 09MAR2007 | NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE |
| 0 PLC ±0.5 1 PLC ±0.13 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±0.001 | | PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217 | |
| MATERIAL TBD | FINISH | WEIGHT | SIZE CAGE CODE DRAWING NO A100779C=1888972 |
| CUSTOMER DRAWING | | SCALE 4:1 | SHEET 4 OF 4 REV B |

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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