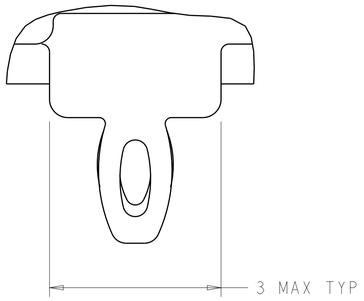
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -
© COPYRIGHT - BY - ALL RIGHTS RESERVED.

| LOC | DIST |
|---|---|
| GP | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | A | ACTIVE THE DRAWING | 03JAN2014 | ZJ | JY |
| | B | REVISE PER ECO-15-000289 | 8JAN2015 | RG | MC |
| | B1 | ADD 2170567-6 AND 2170567-7 | 3MAY2015 | RG | SH |




DETAIL S (12)
SCALE 20:1

(1) CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE

(2) PITCH BETWEEN PORTS OF ONE 1X4 CAGE ASSEMBLY.

(3) SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.

(4) REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

(5) DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

(6) DIMENSION F IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MINIMUM THICKNESS = 1.45mm
DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 2.2mm PER QSFP.

(7) HEAT SINKS, LIGHT PIPES, AND HEAT SINK CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.

(8) DATUM -A- IS TOP SURFACE OF PC BOARD.

(9) DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.

(10) UNPLATED THRU HOLE.

11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.

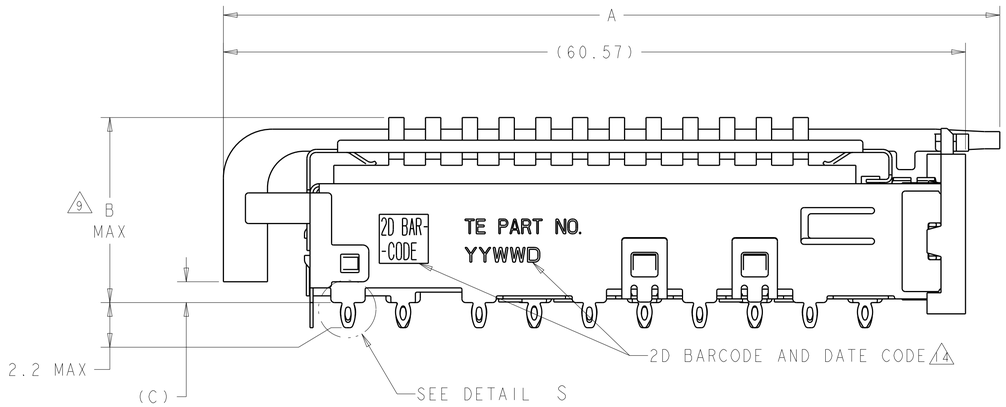
(12) SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.

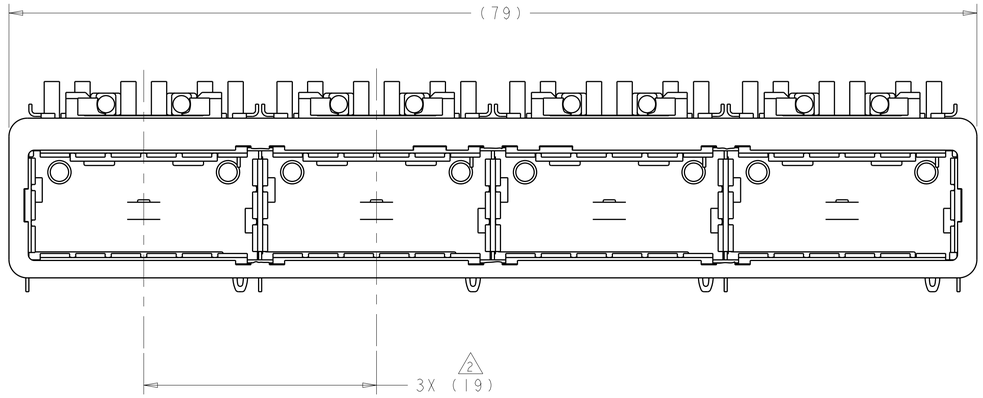
(13) BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.

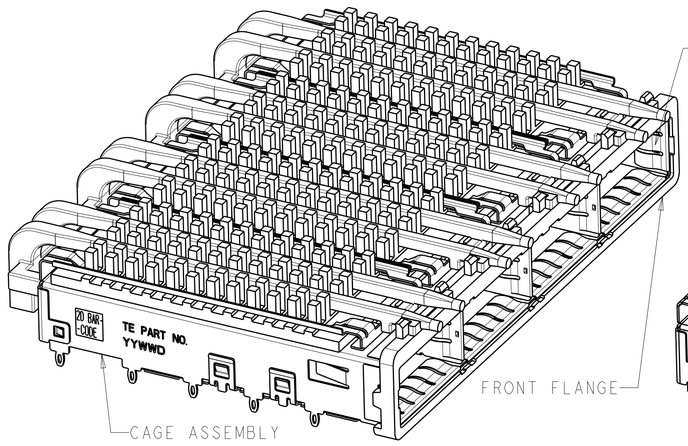
(14) 2D BARCOE AND DATE CODE (YYWWD) MARKED ON SIDE OF CAGE.

(15) REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.

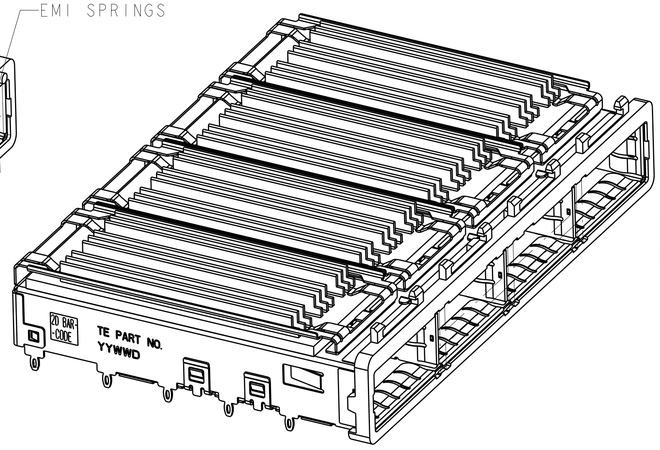
(16) EMI SPRING FINISH: 2µm MINIMUM TIN
FRONT FLANGE FINISH: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL OVER 5.08µm MINIMUM COPPER.
HEAT SINK FINISH: BLACK ANODIZE PROCESS



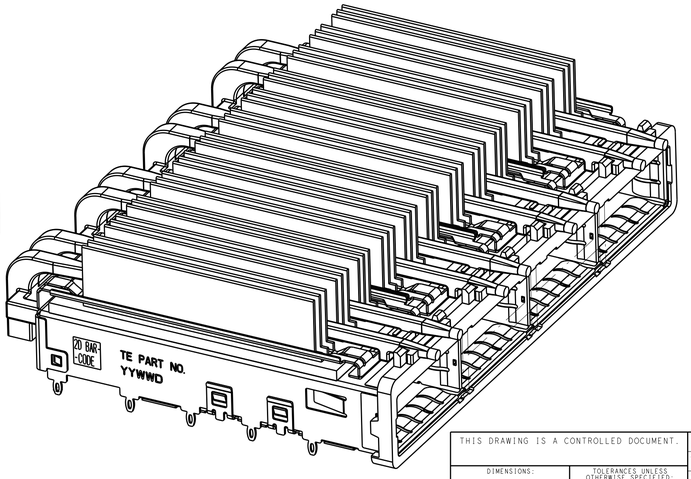




2170567-3
SCALE 5:2




2170567-6
SCALE 5:2




2170567-7
SCALE 5:2

(7)

| 62.57 | 21.0 | CUSTOMIZED | 2170567-7 |
|---|---|---|---|
| N/A | 15.0 | CUSTOMIZED | 2170567-6 |
| 62.15 | 16.8 | CUSTOMIZED | 2170567-5 |
| 64.07 | 23.0 | NETWORKING | 2170567-4 |
| 64.07 | 16.0 | SAN | 2170567-3 |
| 64.07 | 16.8 | CUSTOMIZED | 2170567-2 |
| 64.07 | 13.7 | PCI | 2170567-1 |
| A | B | HEAT SINK PROFILE | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - (1)
FINISH (16)

DWN ZJ 01JUL2013
CHK JASON 01JUL2013
APVD AC 01JUL2013
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | - | C-2170567 | - |

Customer Drawing

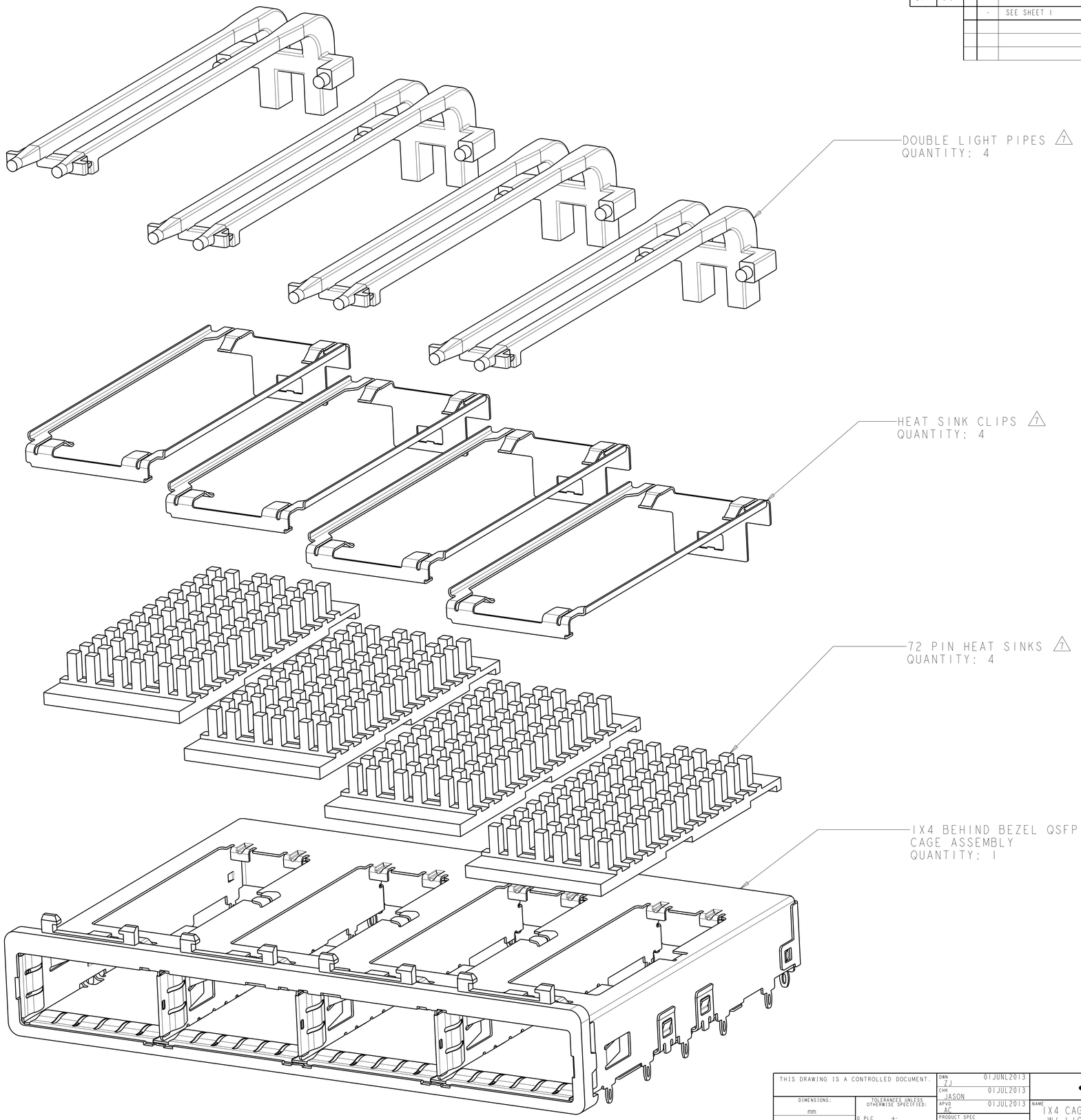
SCALE 4:1 SHEET 1 OF 5 REV B1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -
© COPYRIGHT - BY - ALL RIGHTS RESERVED.

| LOC | DIST |
|---|---|
| GP | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL -
FINISH -

| | |
|---|---|
| DWN ZJ | 01JUNL2013 |
| CHK JASON | 01JUL2013 |
| APVD AC | 01JUL2013 |
| PRODUCT SPEC | 108-2286 |
| APPLICATION SPEC | 114-13218 |
| WEIGHT - | |

TE Connectivity

NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | - | C-2170567 | - |

Customer Drawing

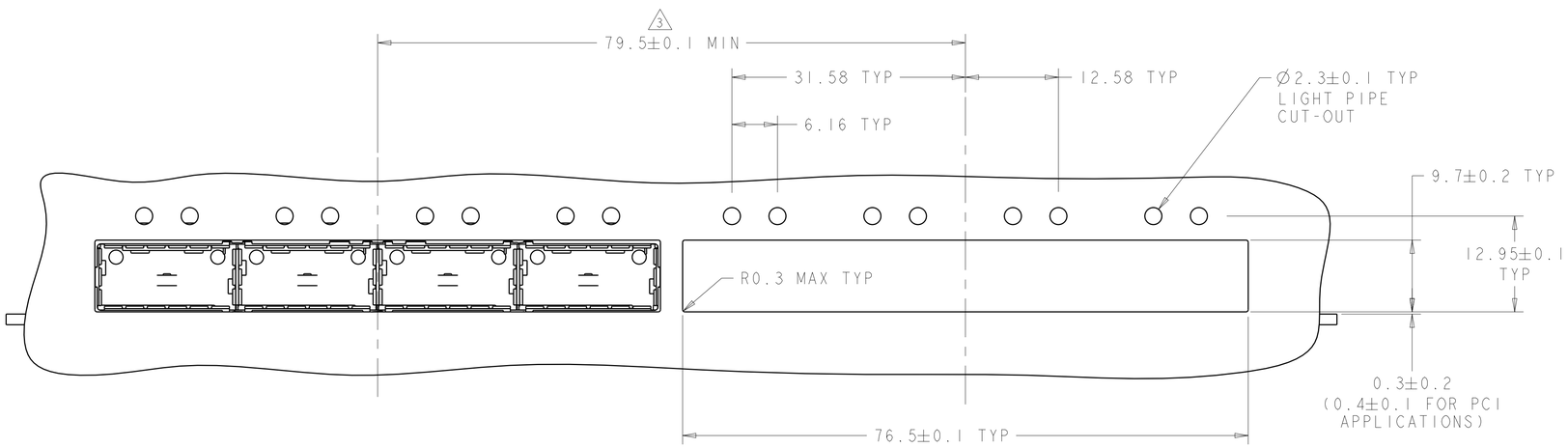
SCALE 4:1 SHEET 2 OF 5 REV B1

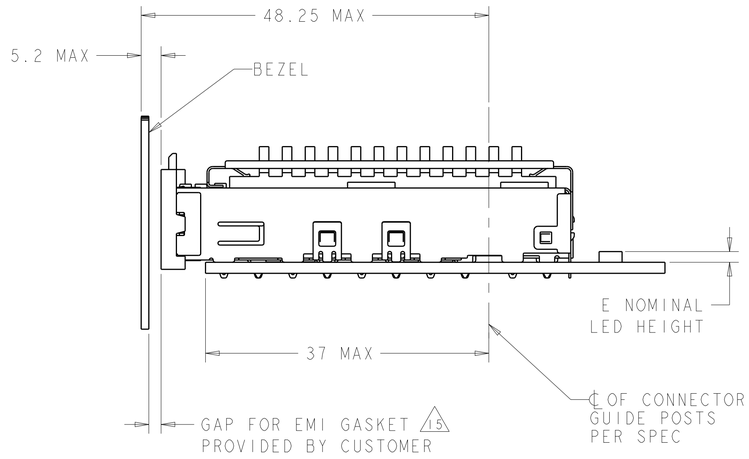
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -
© COPYRIGHT - BY - ALL RIGHTS RESERVED.

| LOC | DIST |
|---|---|
| GP | 00 |

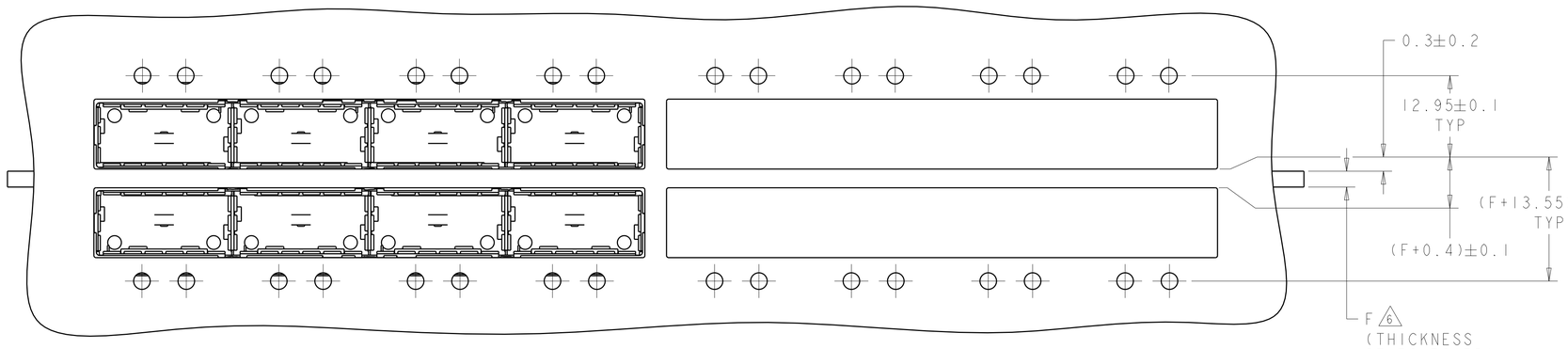
REVISIONS

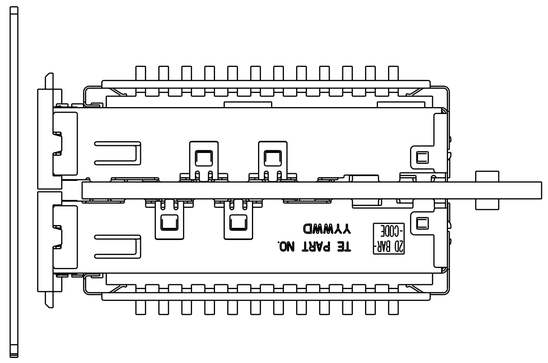
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




ONE SIDED CONFIGURATION
SCALE 5:2




BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 5:2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - -
FINISH - -

DWN ZJ 01JUL2013
CHK JASON 01JUL2013
APVD AC 01JUL2013
PRODUCT SPEC 108-2286
APPLICATION SPEC 114-13218
WEIGHT -

TE Connectivity

NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | - | C-2170567 | - |

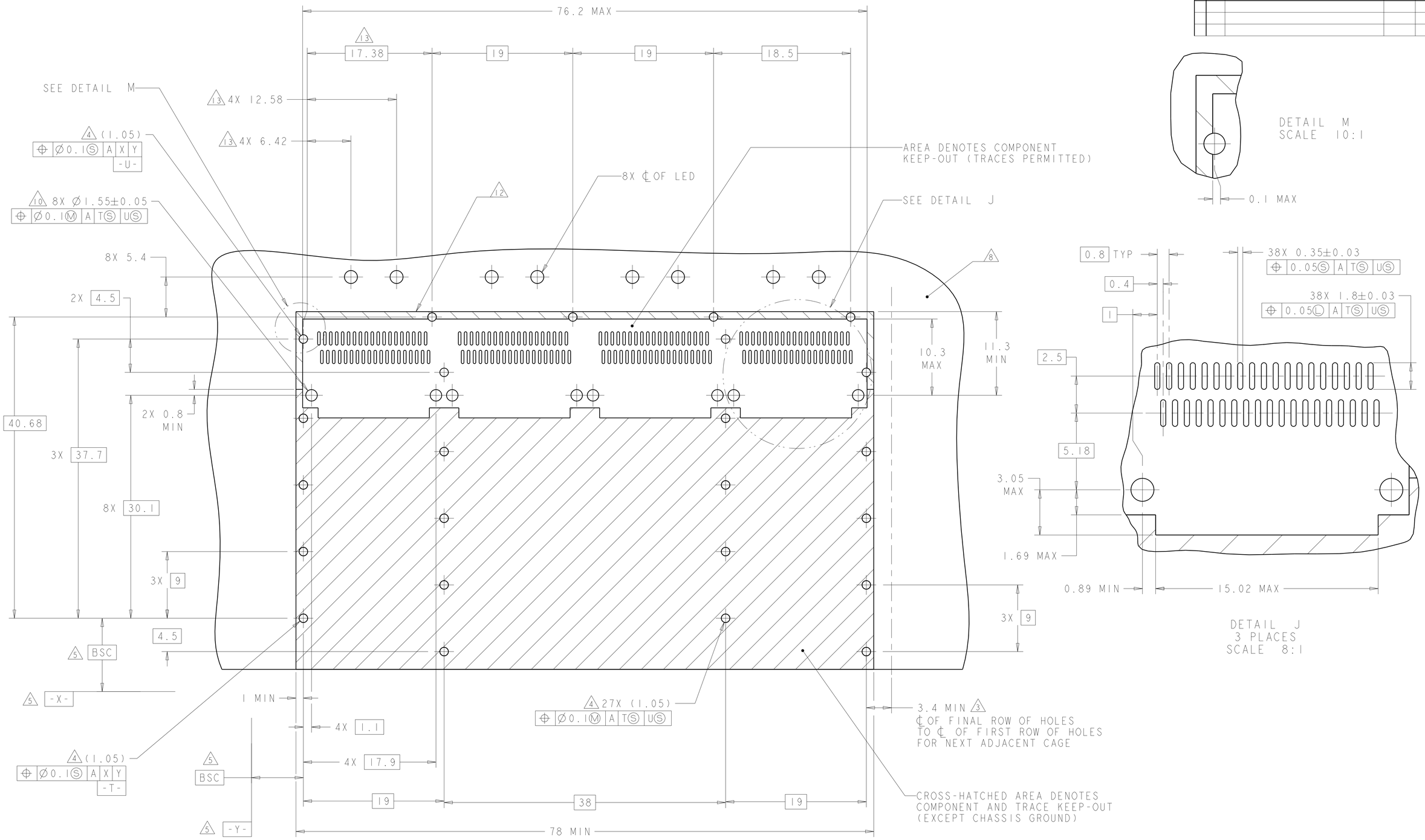
Customer Drawing | SCALE 4:1 | SHEET 3 OF 5 | REV B1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -
© COPYRIGHT - BY - ALL RIGHTS RESERVED.

| LOC | DIST |
|---|---|
| GP | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1




DETAIL M
SCALE 10:1




DETAIL J
3 PLACES
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL -
FINISH -

| | |
|---|---|
| DWN ZJ | 01JUL2013 |
| CHK JSAON | 01JUL2013 |
| APVD AC | 01JUL2013 |
| PRODUCT SPEC | 108-2286 |
| APPLICATION SPEC | 114-13218 |
| WEIGHT - | |

TE Connectivity

NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | - | C-2170567 | - |

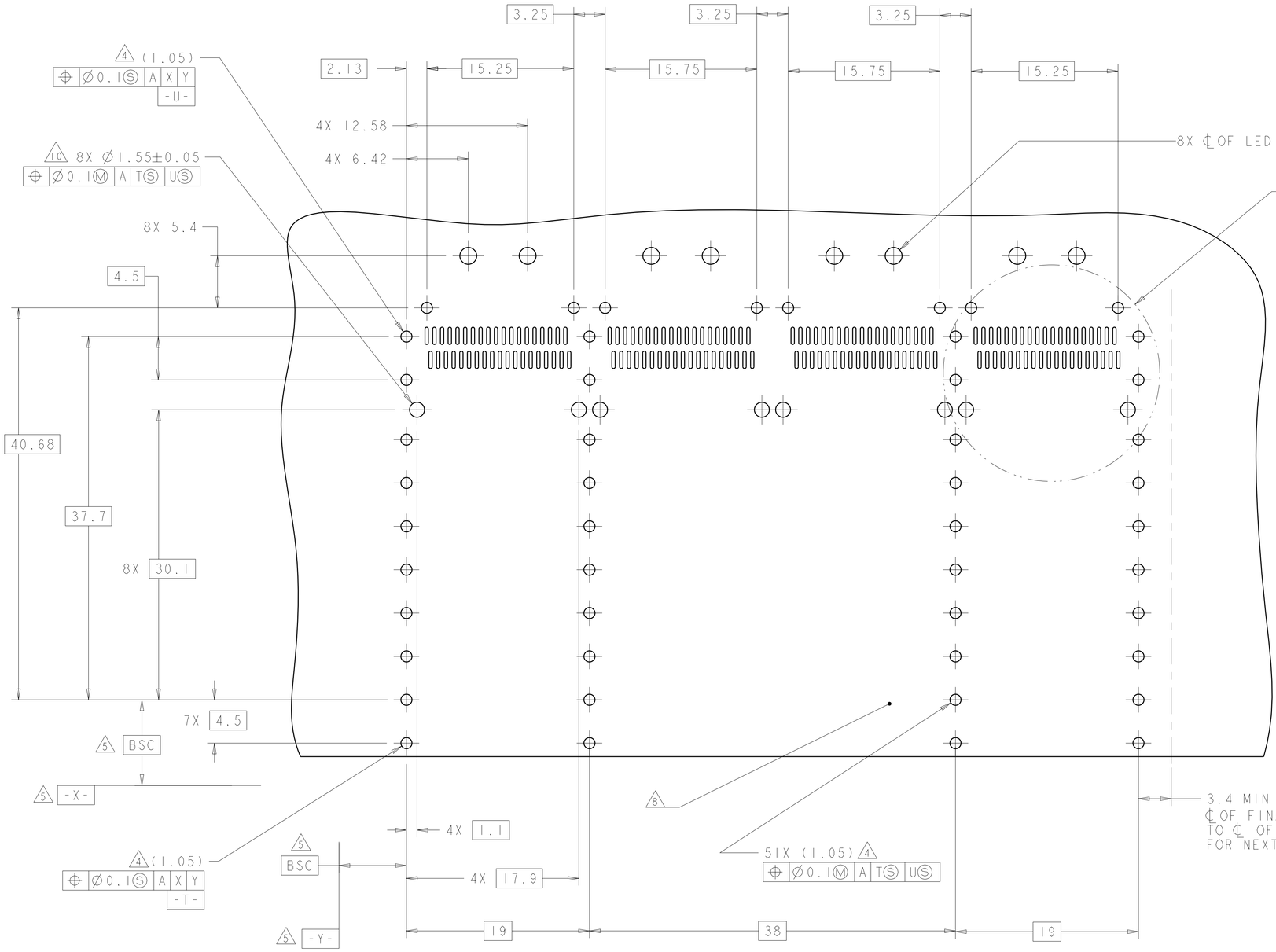
Customer Drawing | SCALE 4:1 | SHEET 4 OF 5 | REV B1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -
© COPYRIGHT - BY - ALL RIGHTS RESERVED.

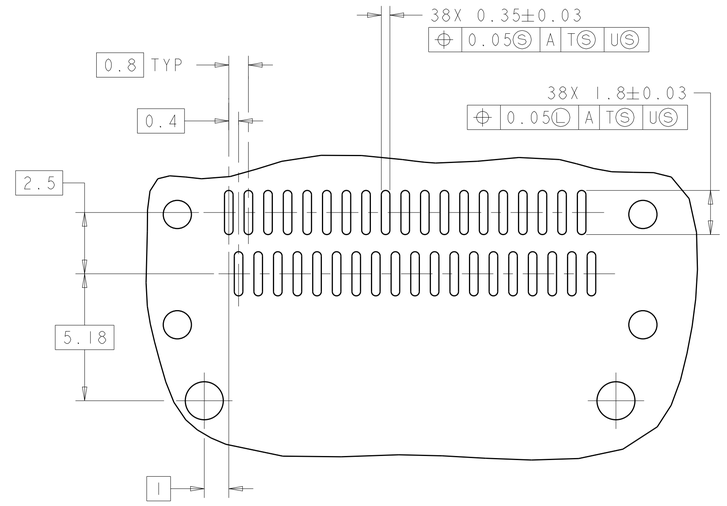
| LOC | DIST |
|---|---|
| GP | 00 |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS
SCALE 4:1




DETAIL K
SCALE 8:1

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN ZJ 01JUL2013 | TE Connectivity | |
| DIMENSIONS: mm | CHK JASON 01JUL2013 | NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±- 4 PLC ±- ANGLES ±- | APVD AC 01JUL2013 | PRODUCT SPEC 108-2286 | SIZE A1 / CAGE CODE - / DRAWING NO C-2170567 / RESTRICTED TO - |
| MATERIAL - - | APPLICATION SPEC 114-13218 | | |
| FINISH - - | WEIGHT - | Customer Drawing | SCALE 4:1 / SHEET 5 OF 5 / REV B1 |

LifeElectronics
Живое партнерство

**ООО «ЛайфЭлектроникс»** **“LifeElectronics” LLC**

*ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703*

*Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.*

*С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров*

*Мы предлагаем:*

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

*В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.*

*Конструкторский отдел помогает осуществить:*

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

*Тел: +7 (812) 336 43 04 (многоканальный)*
*Email: org@lifeelectronics.ru*

***www.lifeelectronics.ru***