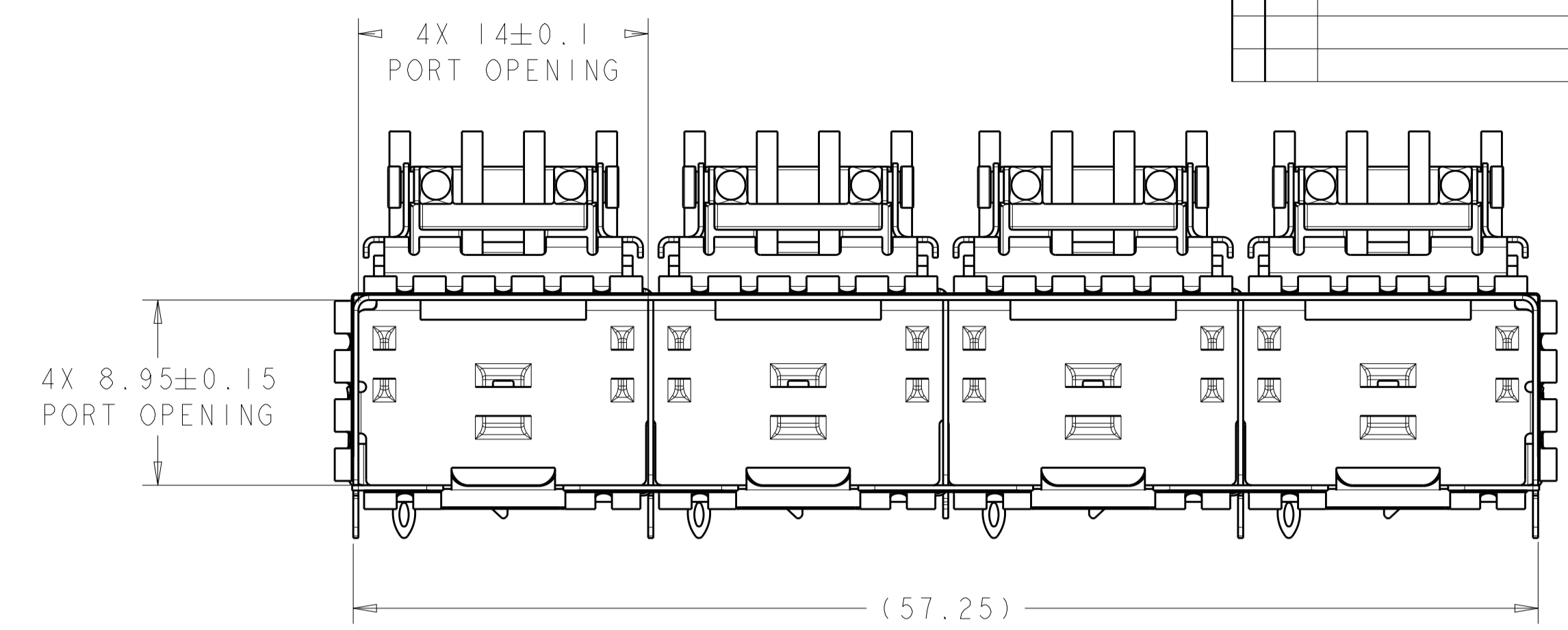
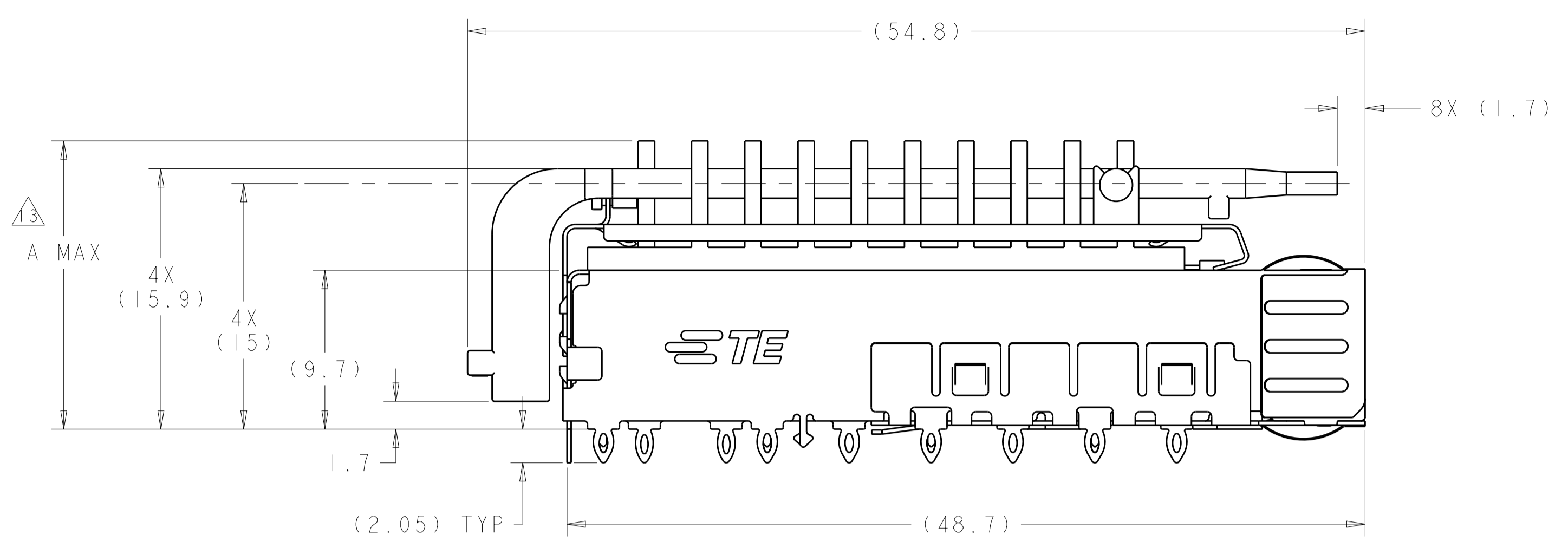
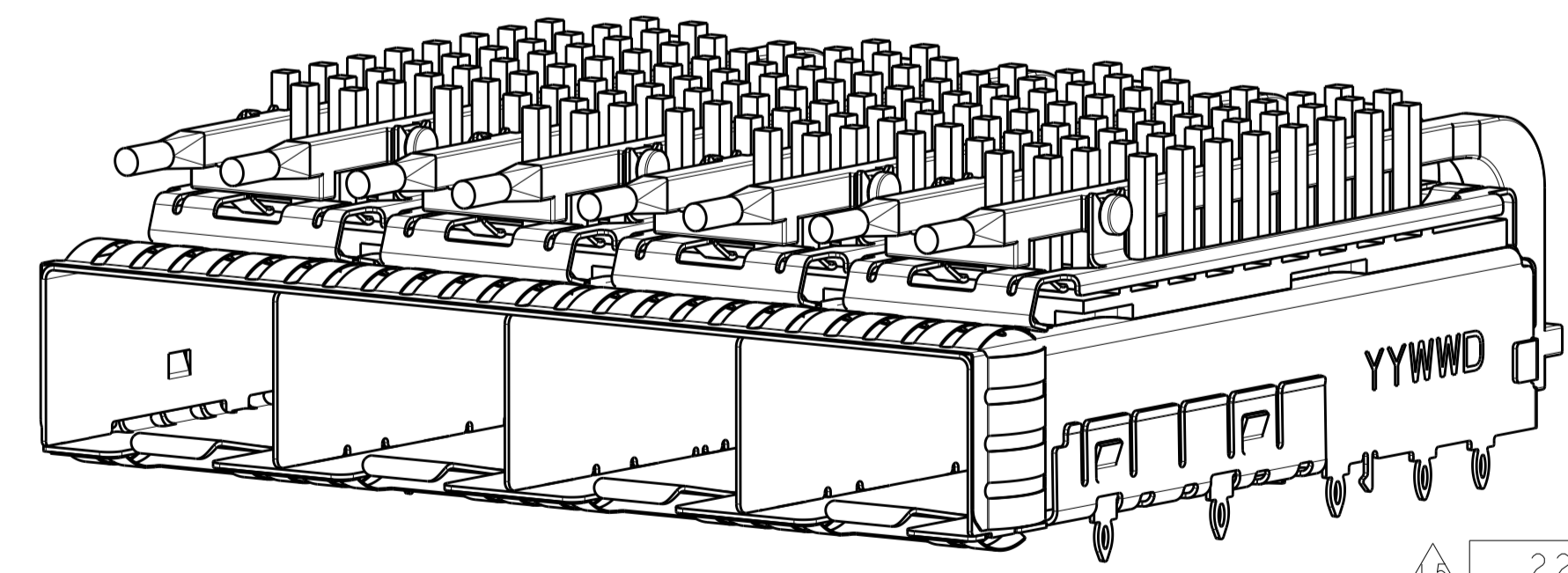
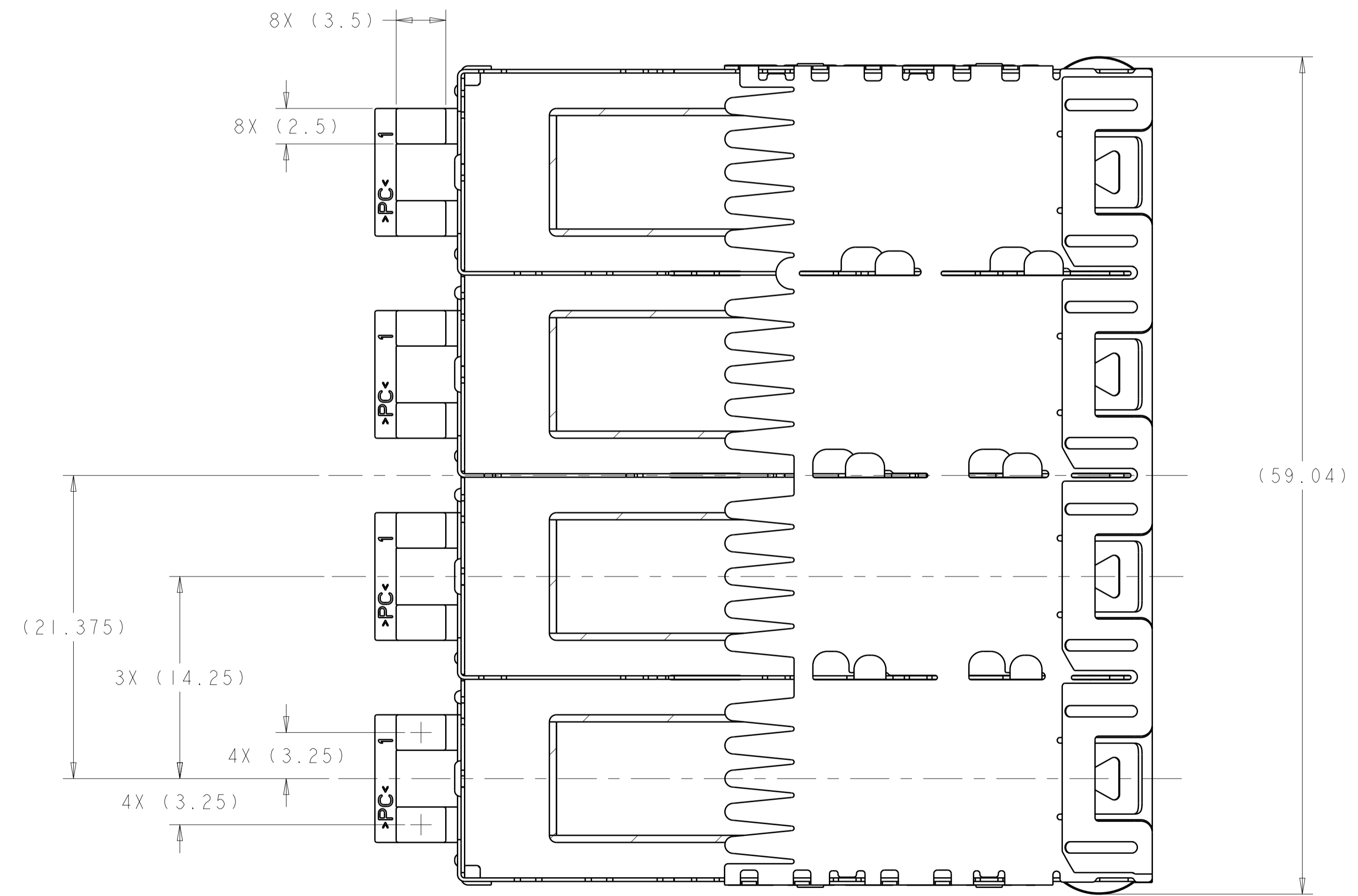


| LOC | DIST | REVISIONS | | | |
|-----|------|-------------|----------------------------|-----------|---------|
| P | LTN | DESCRIPTION | DATE | DMN | APVD |
| GP | 00 | A | RELEASED PER ECO-12-013192 | 180CT2012 | BMM MRS |



- 1. MATERIAL:
 CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
 HEATSINK/LIGHTPIPE CLIP: STAINLESS STEEL
 LIGHT PIPE: POLYCARBONATE, CLEAR
 HEATSINK: ALUMINUM
- 2. FINISH:
 SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
 NON-PLATED EDGES PERMISSIBLE.
 HEATSINK: ELECTROLESS NICKEL
 HEATSINK/LIGHTPIPE CLIP: PASSIVATE
- 3. PADS AND VIAS CHASSIS GROUND.
- 4. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- 5. MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.
- 6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994.
- 7. REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 8. REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 9. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
- 10. MINIMUM PC BOARD THICKNESS:
 SINGLE SIDED = 1.50mm
 DOUBLE SIDED = 2.25mm
- 11. CERTAIN MATING TRANSCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD BE DETERMINED BY THE CUSTOMER.
- 12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- 13. DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE
- 14. HEATSINK, HEATSINK CLIP, AND LIGHTPIPE SHIPPED UNASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY TO BE PRESSED INTO PCB PRIOR TO ATTACHING HEATSINK, HEATSINK CLIP, AND LIGHTPIPE TO THE CAGE ASSEMBLY.
- 15. PACKAGED AS A COMPLETE ASSEMBLY.



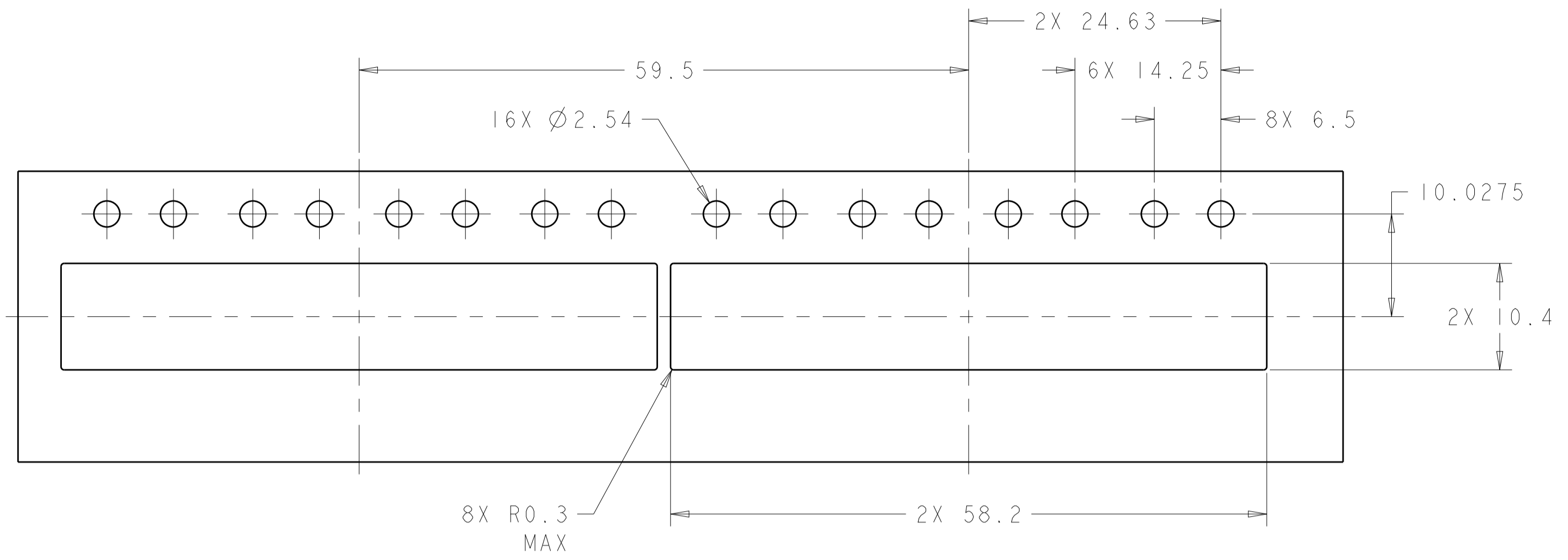
2198234
 FINISHED ASSEMBLY
 SCALE 3:1

| | | |
|-------|-------------------|-------------|
| 22.5 | NETWORKING, TALL | 2198234-4 |
| 18.1 | NETWORKING, SHORT | 2198234-3 |
| 15.5 | SAN | 2198234-2 |
| 13.2 | PCI | 2198234-1 |
| A MAX | APPLICATION | PART NUMBER |

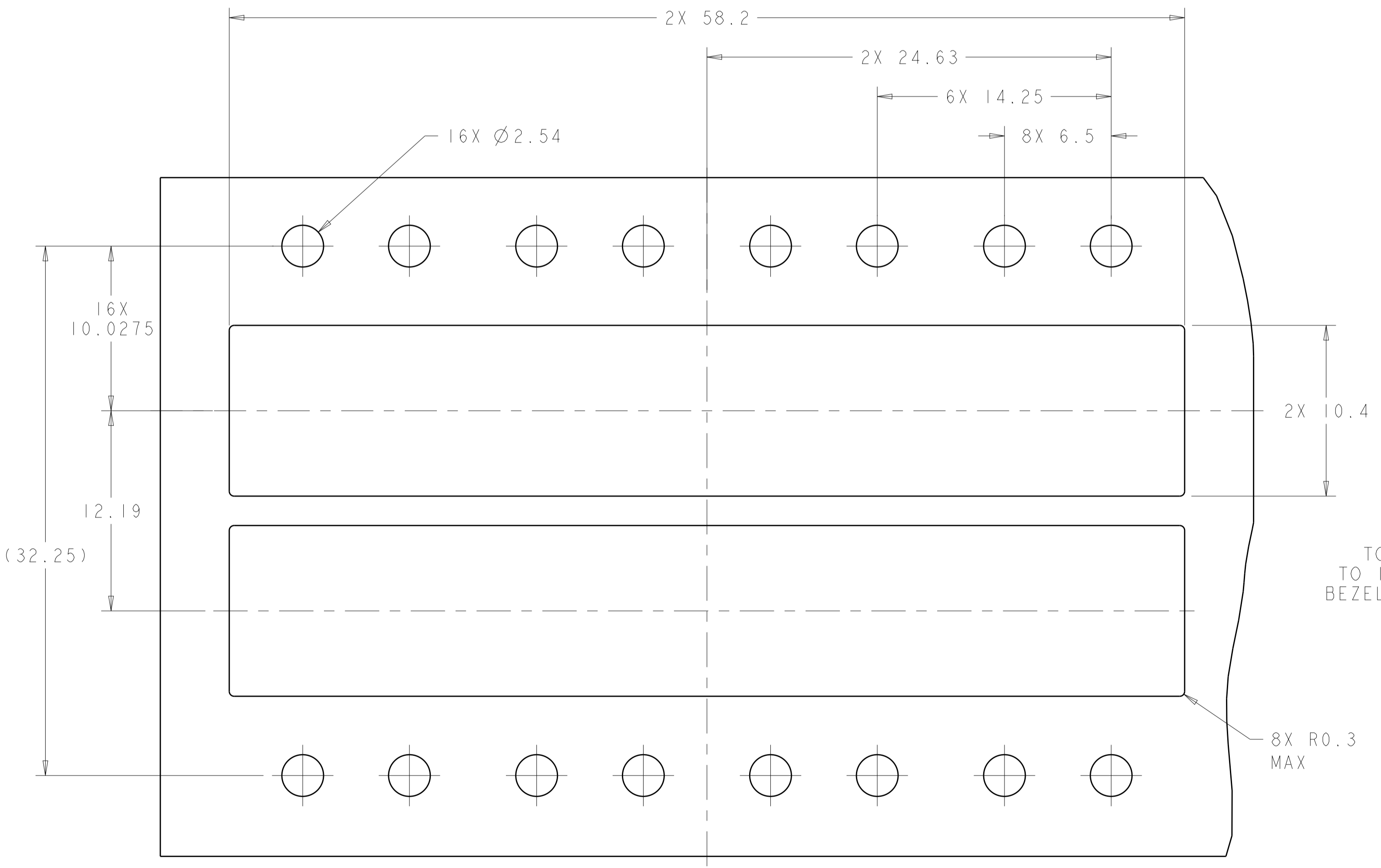
| | | | |
|--|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DMN B. MATTHEWS 15NOV2011 | TE Connectivity |
| DIMENSIONS: mm | | CHK M. SCHMITT 15NOV2011 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD M. SCHMITT 15NOV2011 | NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE |
| 0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1° | | PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 | |
| MATERIAL | | WEIGHT | SIZE A100779 |
| FINISH | | Customer Drawing | SCALE 4:1 SHEET 1 OF 4 REV A1 |

| LOC | DIST | REV | DATE | BY | APPV |
|-----|------|-----|------|----|------|
| GP | 00 | | | | |

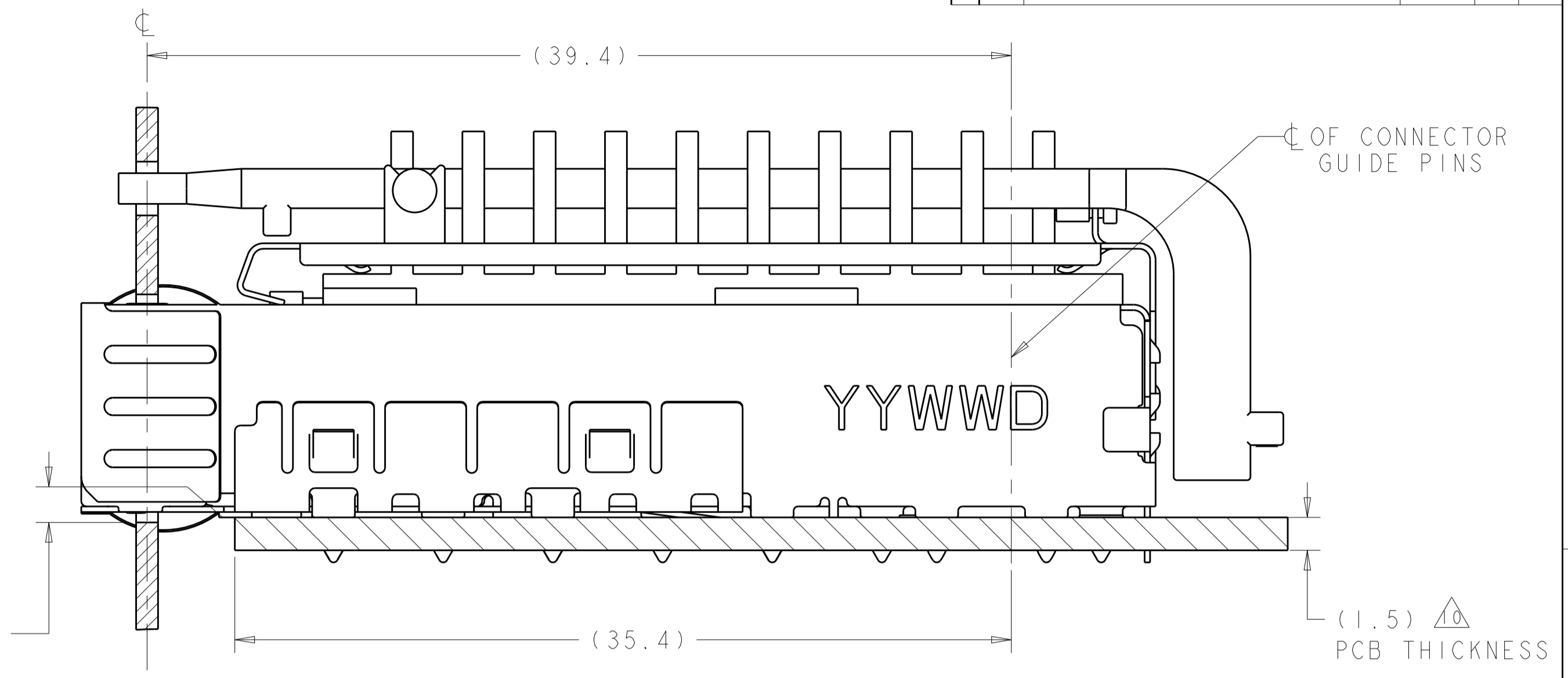
| REVISIONS | | DATE | BY | APPV |
|-----------|-------------|------|----|------|
| 1 | SEE SHEET 1 | | | |



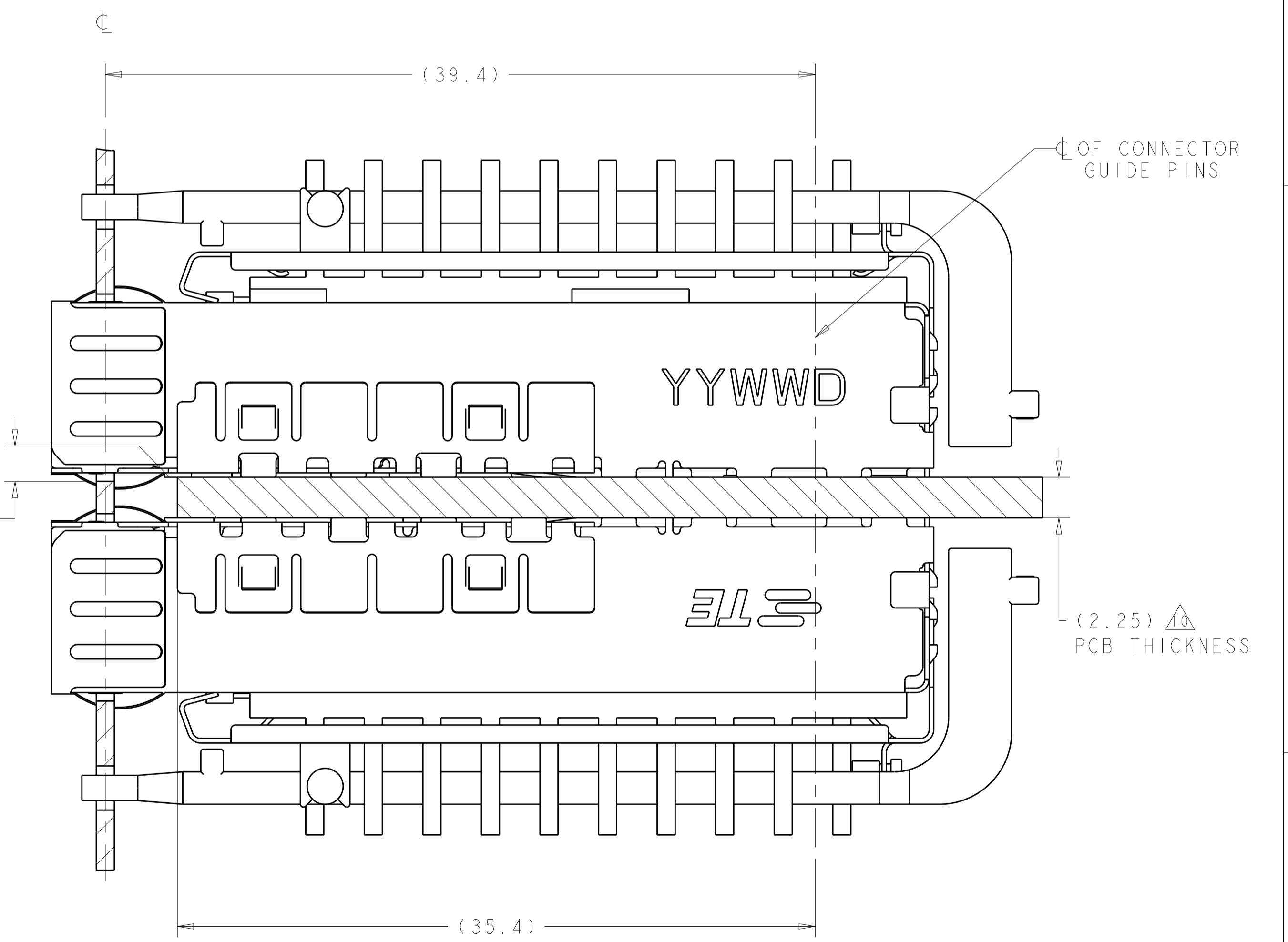
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 5:2



RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS



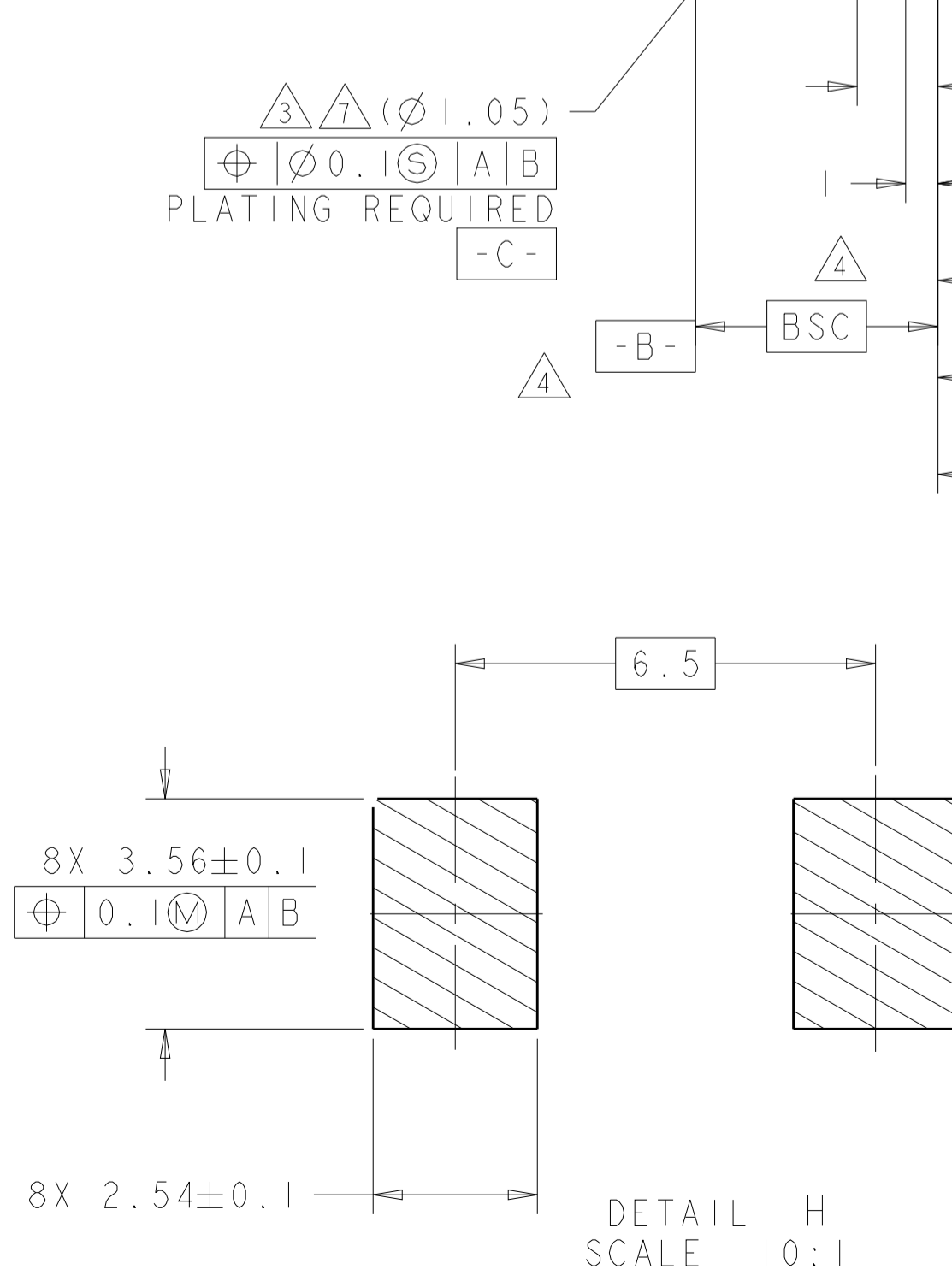
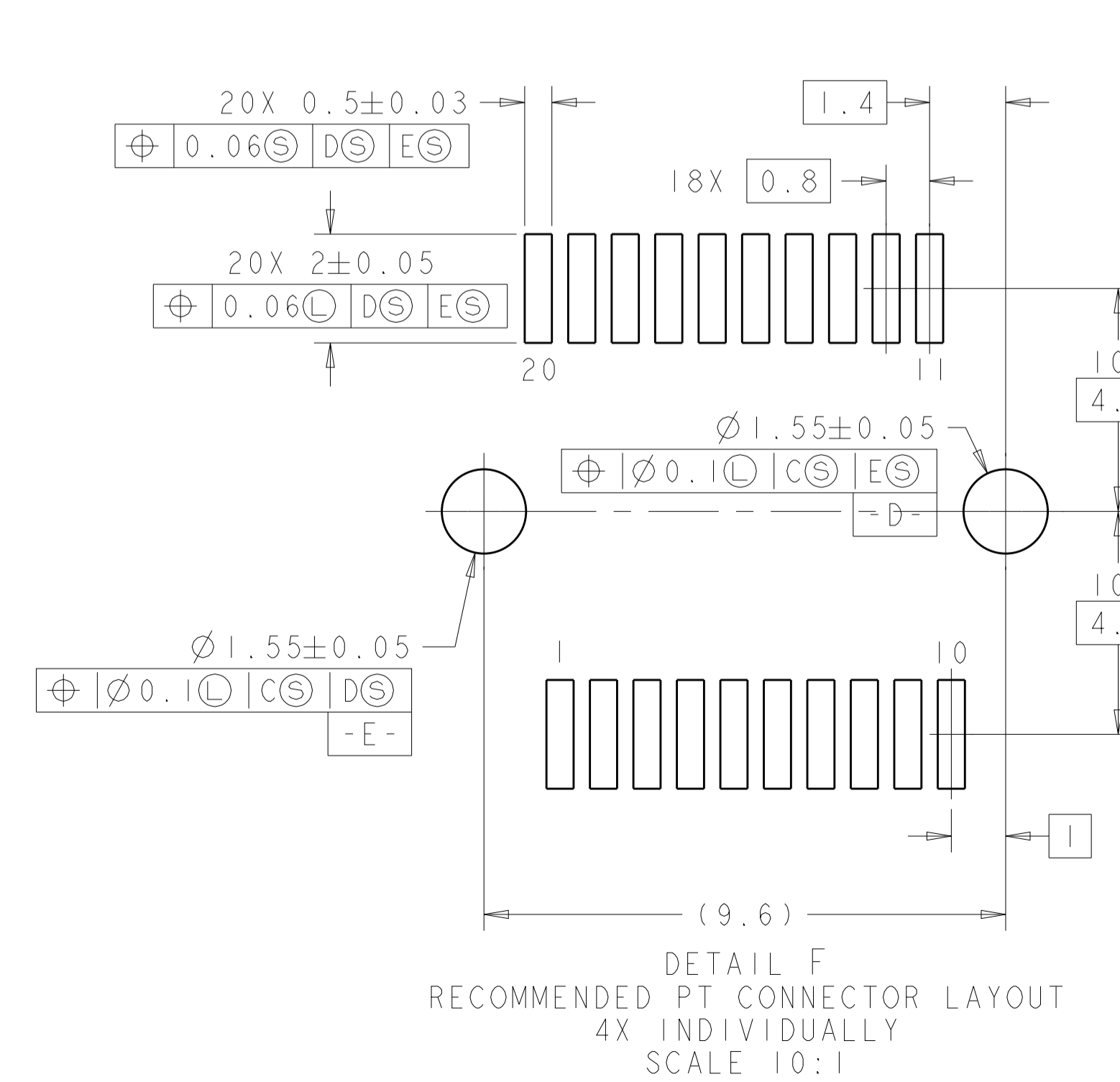
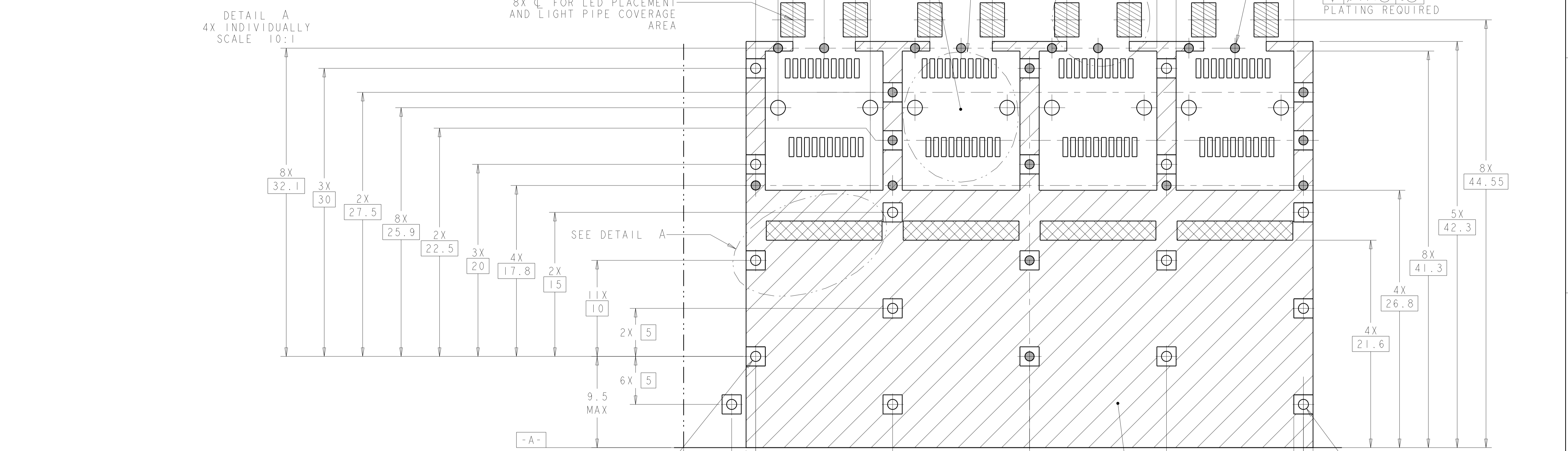
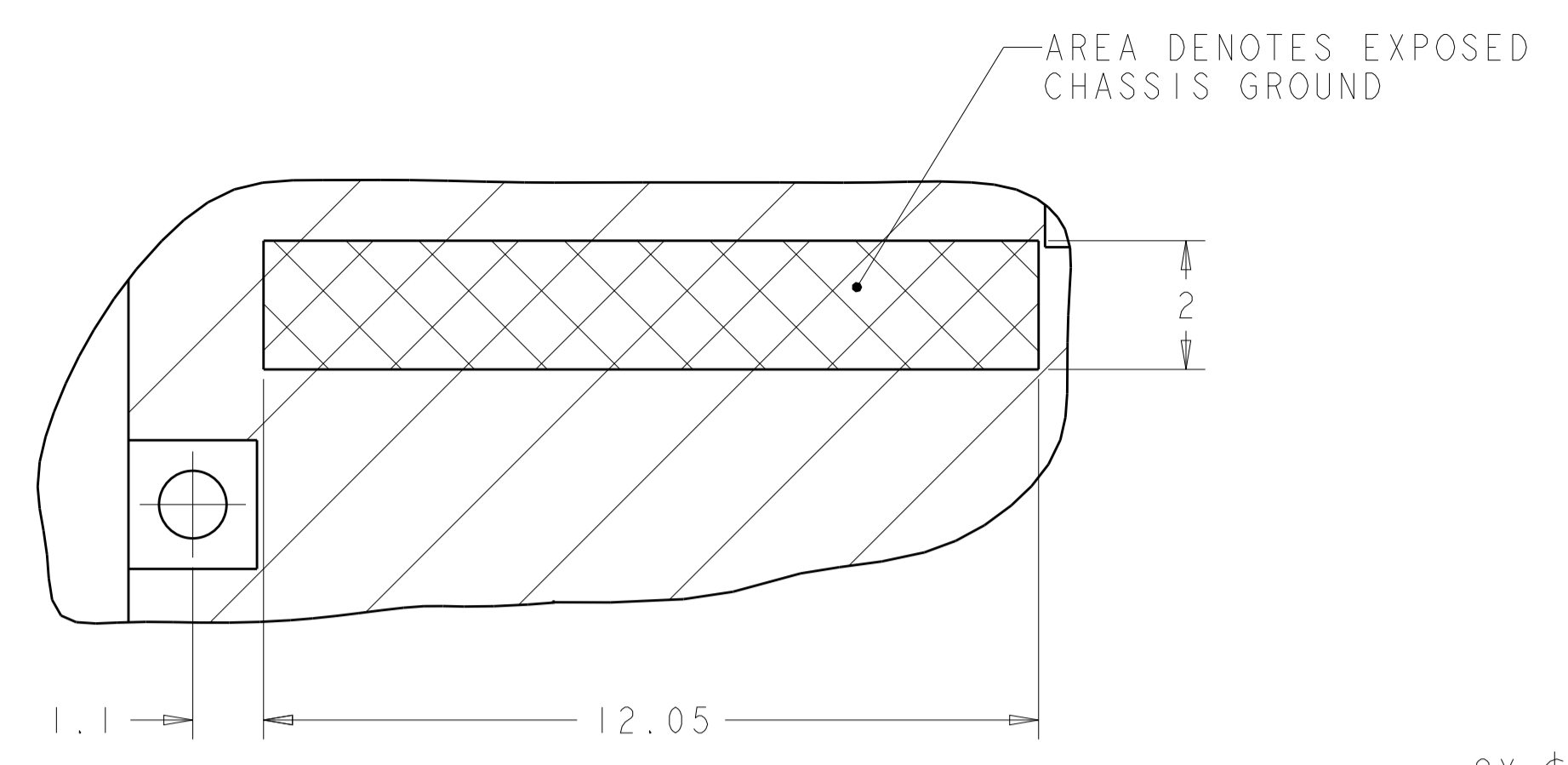
2198234
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



2198234
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

| | | | |
|--|--|--|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN: B. MATTHEWS 15NOV2011 | TE Connectivity |
| DIMENSIONS: mm | | CHK: M. SCHMITT 15NOV2011 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APV: M. SCHMITT 15NOV2011 | NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 |
| 0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1° | | SIZE: 114-13120 WEIGHT: - MATERIAL: - FINISH: - | |
| Customer Drawing | | SCALE: 4:1 | SHEET: 2 OF 4 REV: A1 |

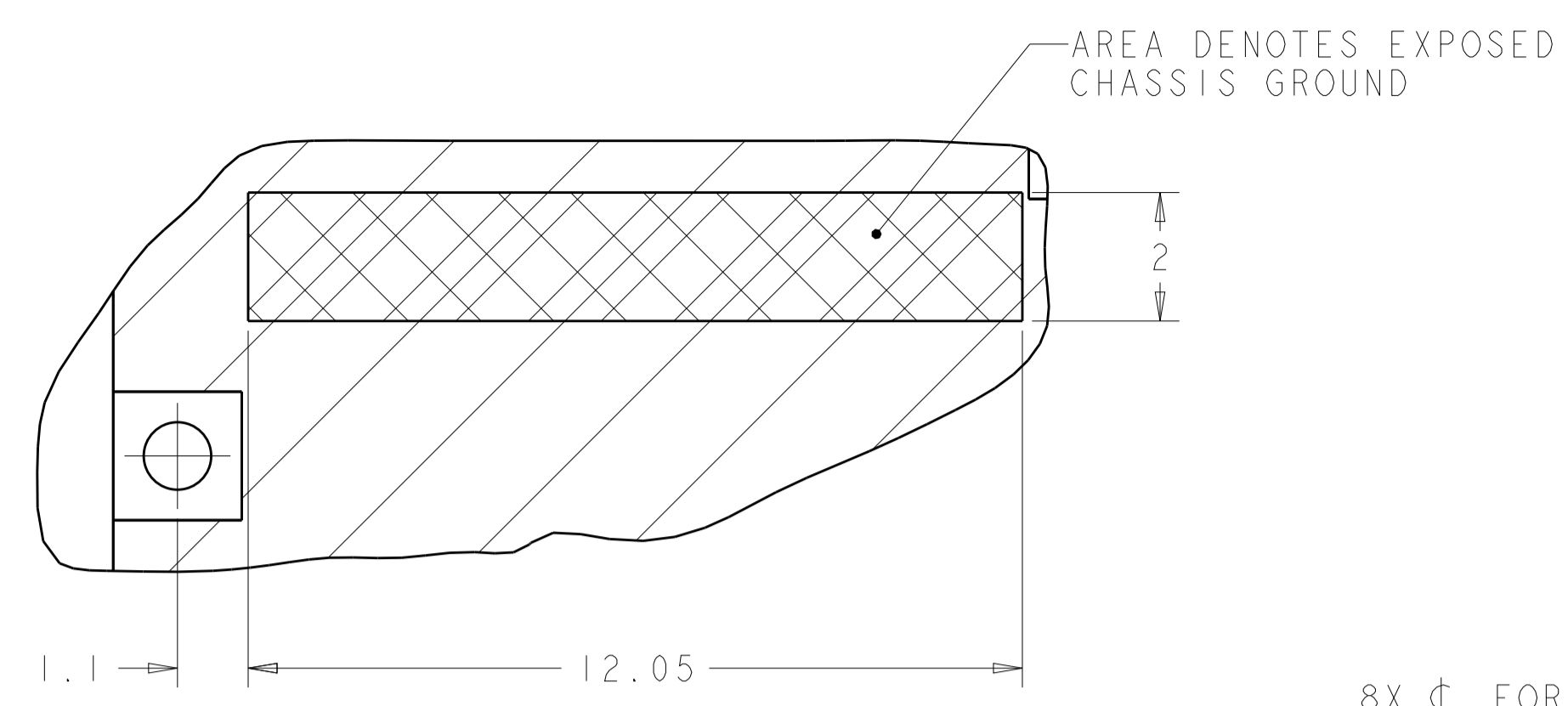
| LOC | DIST | REVISIONS | | | | | |
|-----|------|-----------|-----|-------------|------|-----|------|
| GP | 00 | P | LTN | DESCRIPTION | DATE | OWN | APVD |
| | | - | - | SEE SHEET 1 | - | - | - |



| | | | | |
|--|--|---------------------------------|-----------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN B. MATTHEWS 15NOV2011 | 15NOV2011 | TE Connectivity |
| DIMENSIONS: mm | | CHK M. SCHMITT 15NOV2011 | 15NOV2011 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD M. SCHMITT 15NOV2011 | 15NOV2011 | NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE SIZE 108-2364 APPLICATION SPEC 114-13120 WEIGHT - SCALE 4:1 |
| 0 PLC \pm 0.1 | | PRODUCT SPEC | 108-2364 | |
| 1 PLC \pm 0.1 | | APPLICATION SPEC | 114-13120 | |
| 2 PLC \pm 0.1 | | RESTRICTED TO | A100779 | |
| 3 PLC \pm 0.1 | | Customer Drawing | SCALE 4:1 | SHEET 3 OF 4 |
| 4 PLC \pm 0.1 | | | | REV A1 |
| ANGLES \pm 1° | | | | |
| FINISH | | | | |

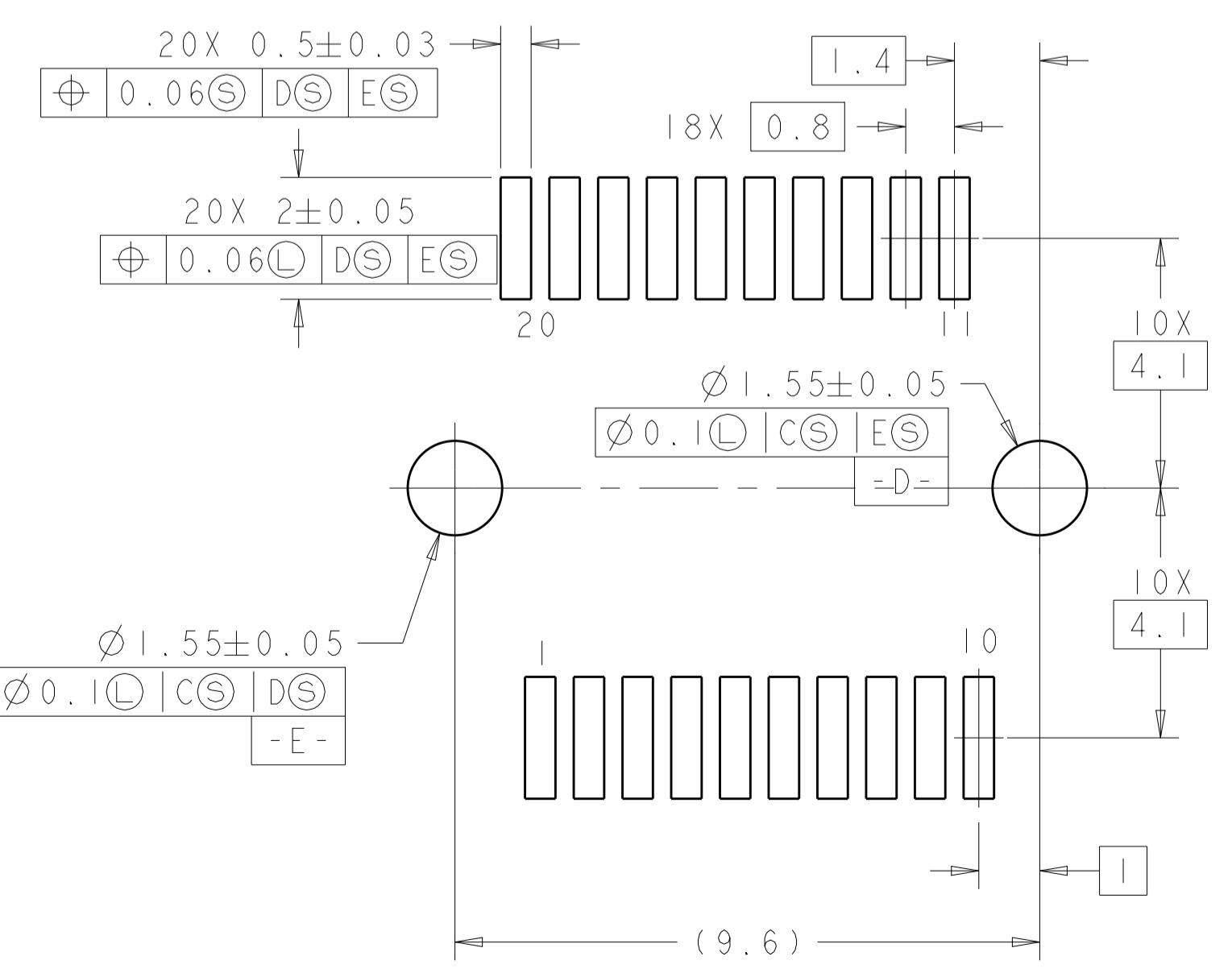
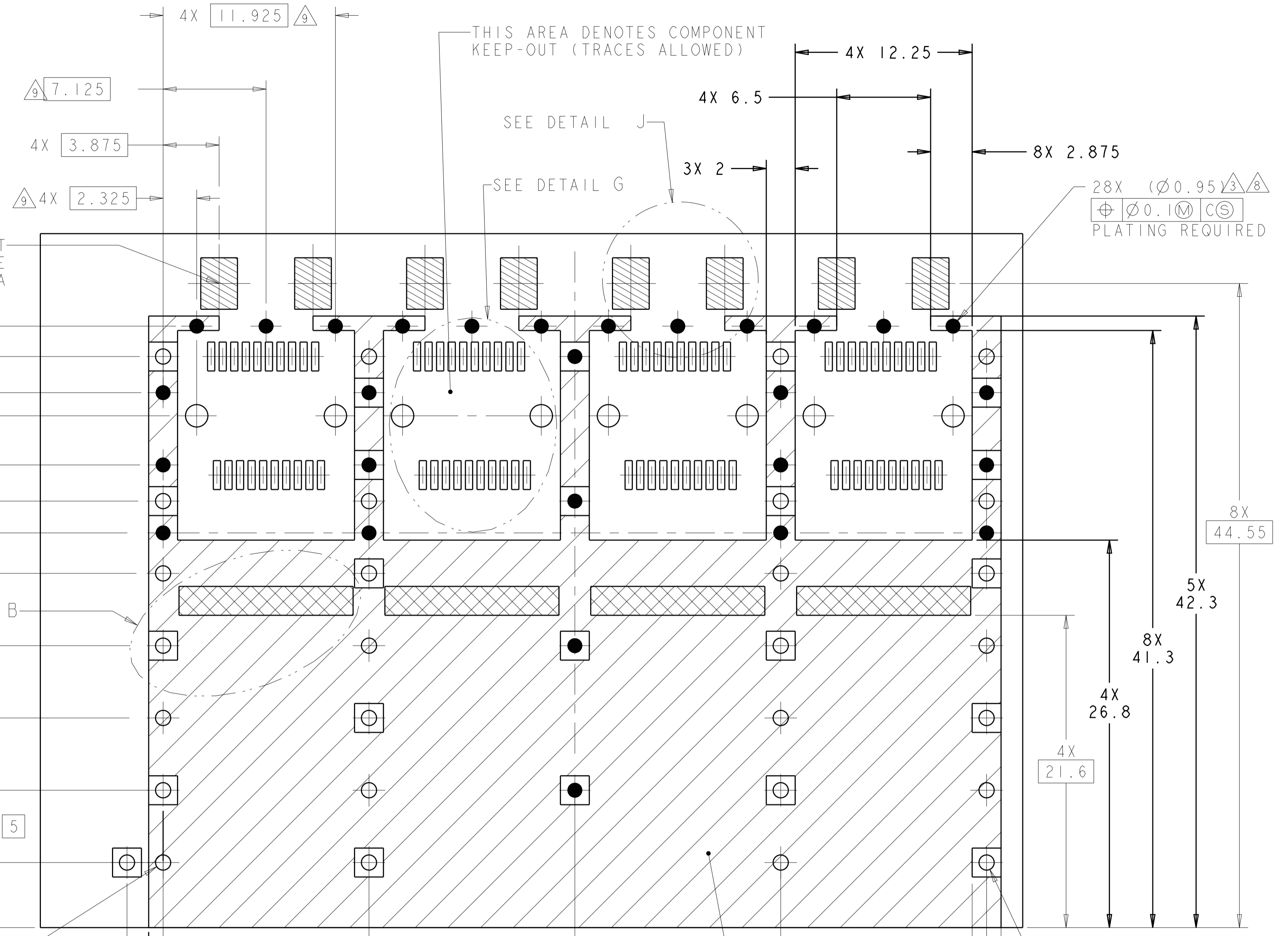
| LOC | DIST | REV | DATE | BY | APPV |
|-----|------|-----|------|----|------|
| GP | 00 | | | | |

| REVISIONS | | | |
|-----------|-------------|------|----|
| NO. | DESCRIPTION | DATE | BY |
| 1 | SEE SHEET 1 | | |

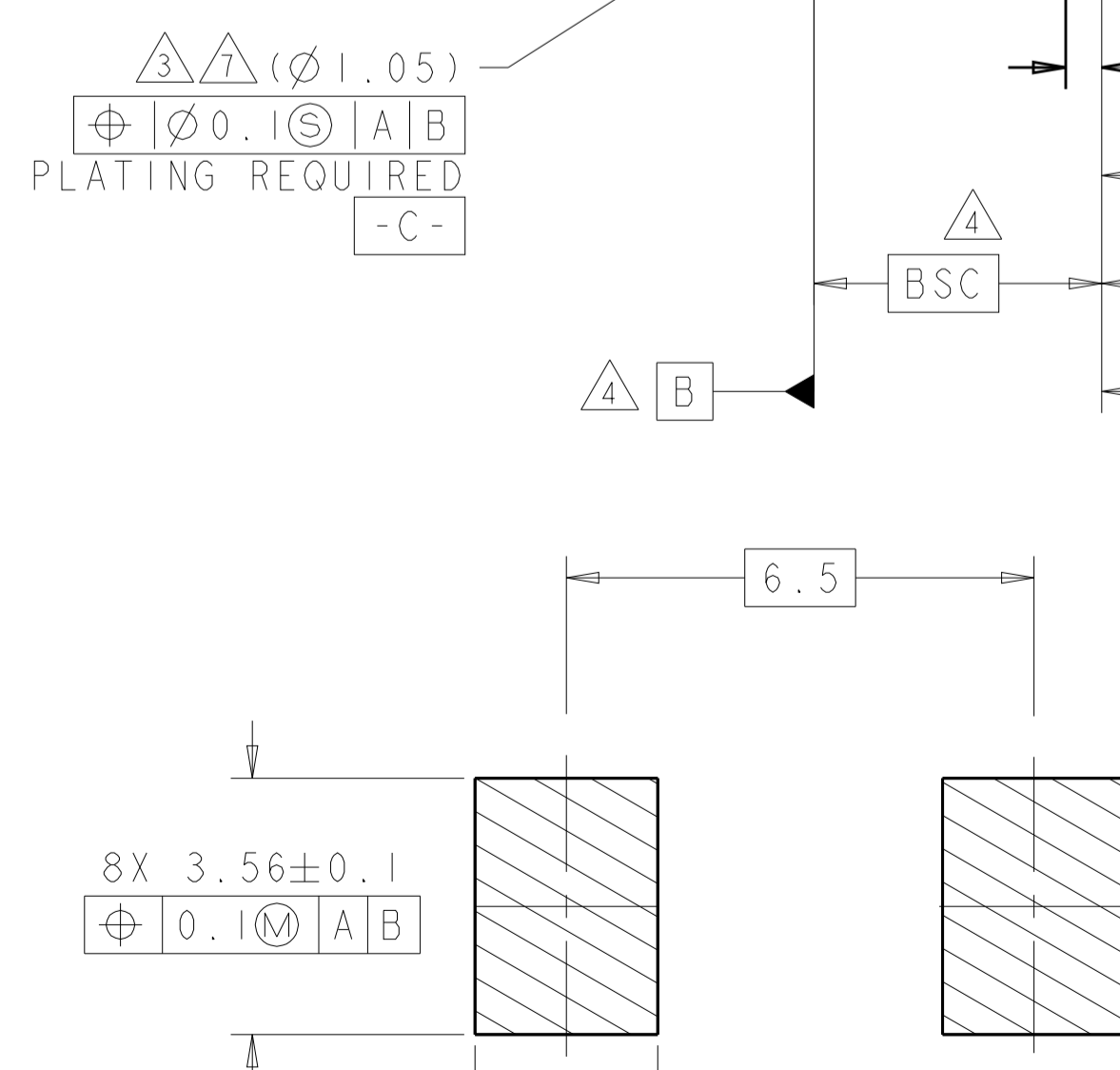


DETAIL B
4X INDIVIDUALLY
SCALE 10:1

8X ϕ FOR LED PLACEMENT AND LIGHT PIPE COVERAGE AREA



DETAIL G
RECOMMENDED PT CONNECTOR LAYOUT
8X INDIVIDUALLY
SCALE 10:1



DETAIL J
SCALE 10:1

RECOMMENDED PCB CONFIGURATION WITH KEEP-OUT AREAS BELLY TO BELLY APPLICATIONS SCALE 5:1

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

| | | | | |
|--|--|------------------|-----------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN: B. MATTHEWS | 15NOV2011 | TE Connectivity |
| DIMENSIONS: mm | | CHK: M. SCHMITT | 15NOV2011 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: M. SCHMITT | 15NOV2011 | NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC: 108-2364 APPLICATION SPEC: SIZE: 114-13120 WEIGHT: MATERIAL: FINISH: |
| 0 PLC \pm 0.1 | | 15NOV2011 | | |
| 1 PLC \pm 0.1 | | 15NOV2011 | | |
| 2 PLC \pm 0.1 | | 15NOV2011 | | |
| 3 PLC \pm 0.1 | | 15NOV2011 | | CUSTOMER DRAWING SCALE: 4:1 SHEET 4 OF 4 REV: A1 |
| 4 PLC \pm 0.1 | | 15NOV2011 | | |
| ANGLES \pm 1° | | 15NOV2011 | | |

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