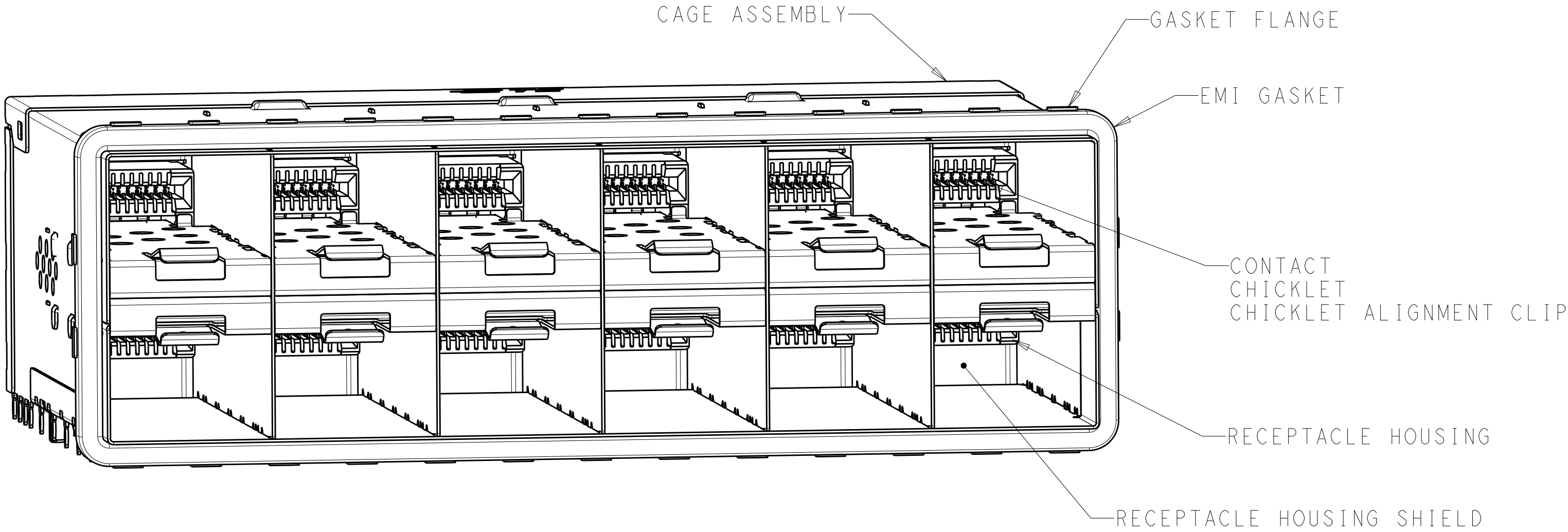
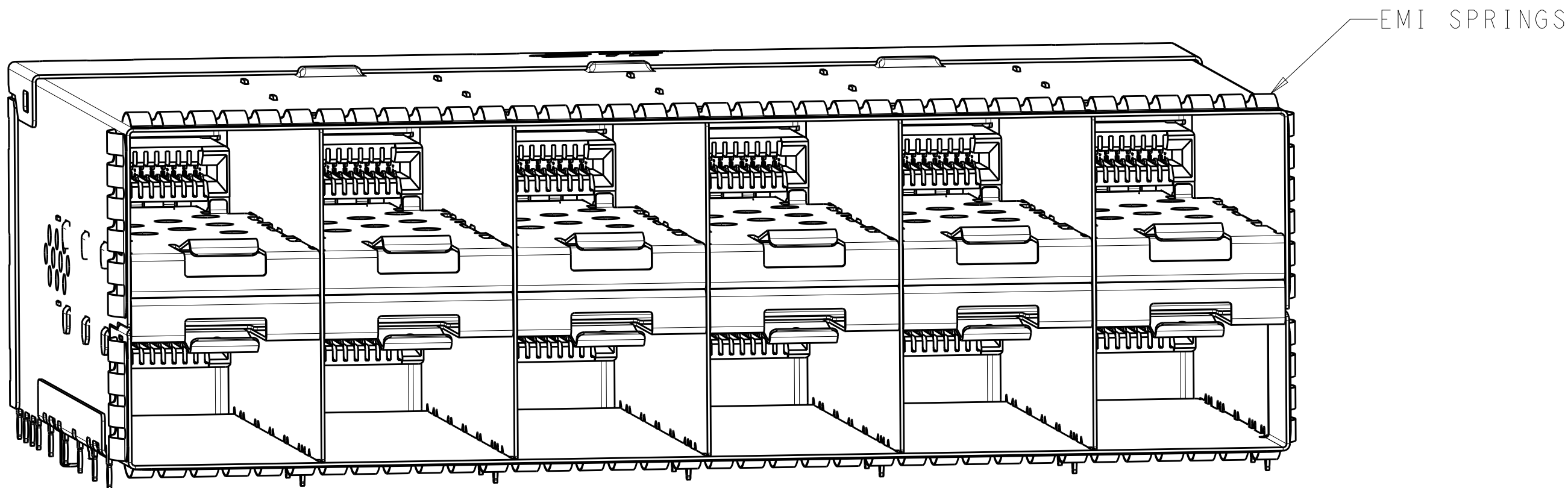


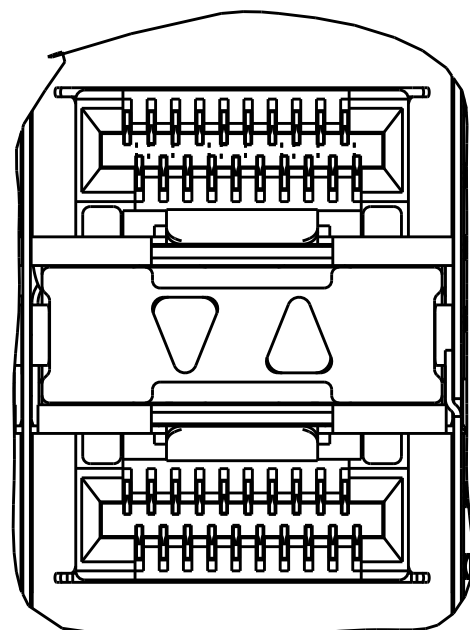
| LOC | DIST | REVISIONS |     |                            |           |     |      |  |
|-----|------|-----------|-----|----------------------------|-----------|-----|------|--|
| GP  | 00   | P         | LTR | DESCRIPTION                | DATE      | DWN | APVD |  |
|     |      | A         |     | RELEASED PER ECO-14-008758 | 16JUN2014 | CJV | PAR  |  |
|     |      | B         |     | REVISED PER ECO-15-010819  | 10AUG2015 | PP  | SH   |  |
|     |      | B1        |     | REVISED PER ECO-16-004263  | 17MAR2016 | KQ  | SH   |  |
|     |      | B2        |     | REVISED PER ECO-16-013988  | 05SEP2016 | PP  | SH   |  |



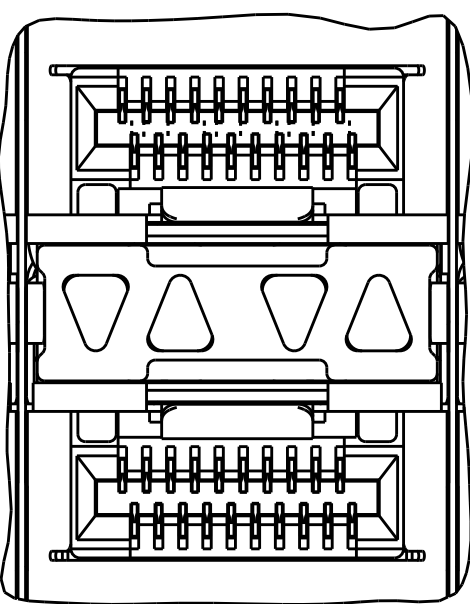
2198339-1  
SCALE 3:1



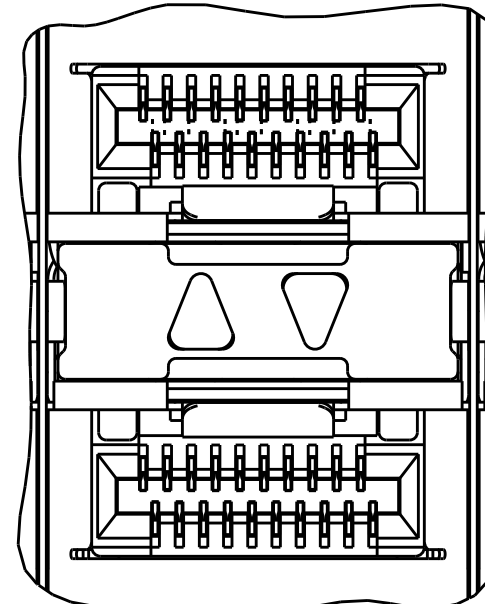
2198339-5  
SCALE 3:1



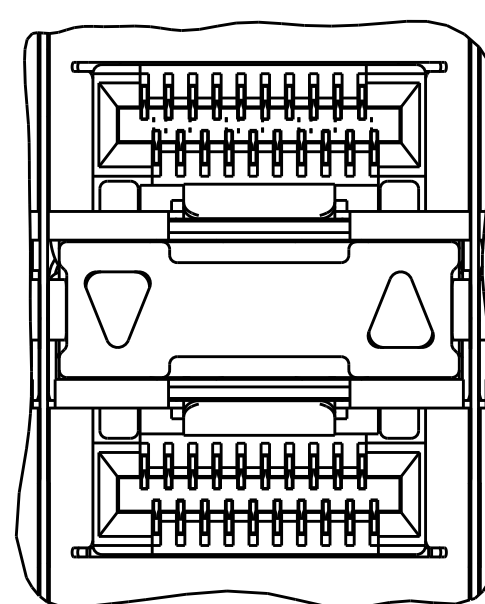
REVERSED INNER LIGHT PIPES  
2-2198339-1  
SCALE 4:1



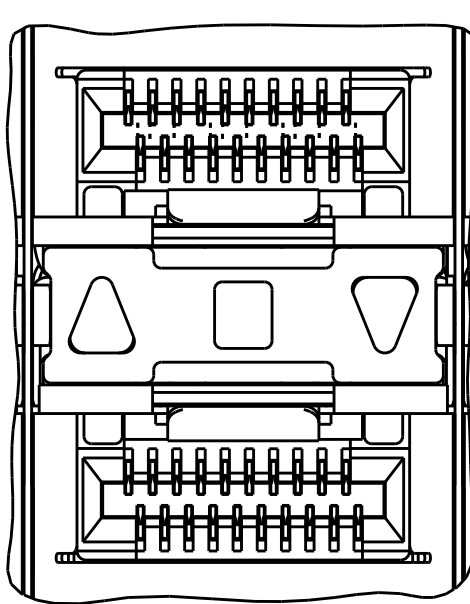
INNER/OUTER LIGHT PIPES  
2198339-2, 2198339-6  
SCALE 4:1



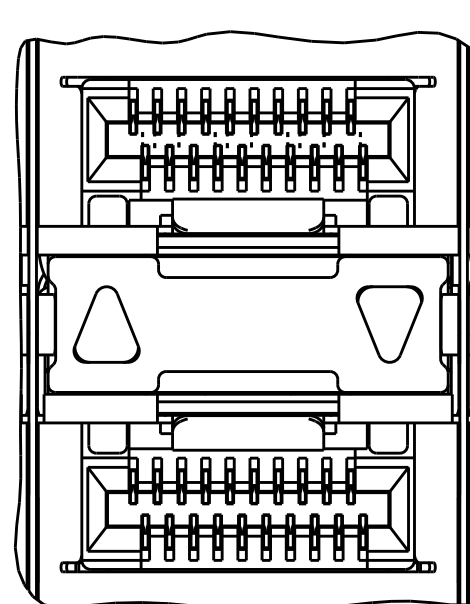
INNER LIGHT PIPES  
2198339-3, 2198339-7  
SCALE 4:1



OUTER LIGHT PIPES  
2198339-4, 2198339-8  
SCALE 4:1



CENTER/REVERSED OUTER  
1-2198339-7, 1-2198339-9  
SCALE 4:1



REVERSED OUTER  
1-2198339-8, 2-2198339-0  
SCALE 4:1

1. MATERIALS:  
CAGE ASSEMBLY - NICKEL-SILVER ALLOY PER ASTM B 122  
CONNECTOR HOUSING - LCP, BLACK, UL 94V-O RATED  
CONNECTOR HOUSING SHIELD - COPPER ALLOY  
CHICKLET - LCP, BLACK, UL 94V-O RATED  
CHICKLET ALIGNMENT CLIP - PBT  
CONTACT - COPPER ALLOY  
EMI GASKET - ELASTOMERIC  
GASKET FLANGE - STAINLESS STEEL  
EMI SPRINGS - PHOSPHOR BRONZE PER ASTM B 103,  
0.8µm MIN TIN PER ASTM B 545  
LIGHT PIPE - POLYCARBONATE  
LIGHT PIPE HOUSING - ZINC ALLOY

2. CONTACT FINISH:  
CONFORMS TO THE REQUIREMENTS OF PRODUCT SPECIFICATION 108-2481, BASED ON EIA/ECA-364-1000.01A, (CONTROLLED ENVIRONMENT APPLICATIONS) ON MATING INTERFACE, TIN ON NEEDLE EYE

3. PCB MINIMUM THICKNESS = 1.5mm

4. FOR HOLE SIZE AND PLATINGS,  
SEE APPLICATION SPECIFICATION 114-13319

5. LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW PROFILE  
LED PACKAGE WITH A HEIGHT OF 0.8mm

6. DIMENSIONS APPLY FOR EMI SPRINGS ONLY

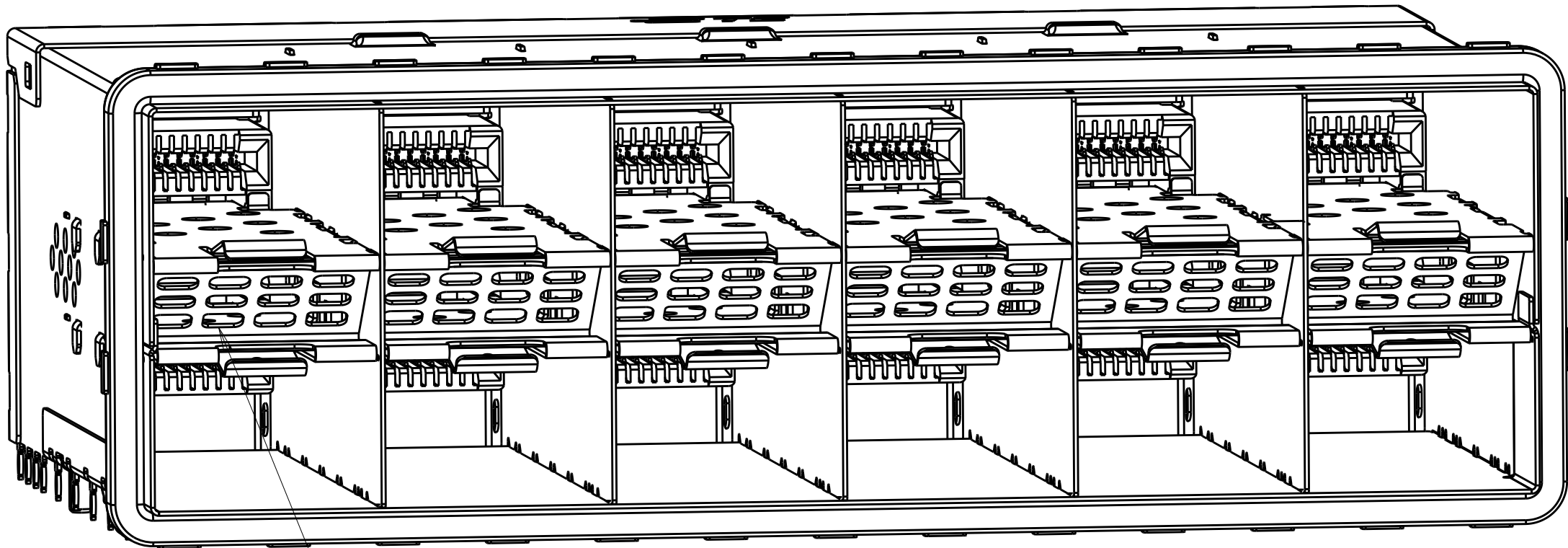
7. THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN

|       |                                    |                             |                |
|-------|------------------------------------|-----------------------------|----------------|
| 88    | EMI SPRING<br>AIRFLOW ENHANCE TYPE | NONE                        | 3-2198339-1    |
| 90.75 | EMI GASKET<br>AIRFLOW ENHANCE TYPE | NONE                        | 3-2198339-0    |
| 88    | EMI SPRINGS                        | REVERSED INNER              | 2-2198339-1    |
|       |                                    | REVERSED OUTER              | 2-2198339-0    |
|       |                                    | CENTER/REVERSED OUTER       | 1-2198339-9    |
| 90.75 | EMI GASKET                         | REVERSED OUTER              | 1-2198339-8    |
|       |                                    | CENTER/REVERSED OUTER       | 1-2198339-7    |
| 88    | EMI SPRINGS                        | OUTER                       | 2198339-8      |
|       |                                    | INNER                       | 2198339-7      |
|       |                                    | INNER/OUTER                 | 2198339-6      |
|       |                                    | NONE                        | 2198339-5      |
| 90.75 | EMI GASKET                         | OUTER                       | 2198339-4      |
|       |                                    | INNER                       | 2198339-3      |
|       |                                    | INNER/OUTER                 | 2198339-2      |
|       |                                    | NONE                        | 2198339-1      |
| (E)   | CAGE TYPE                          | LIGHT PIPE<br>CONFIGURATION | PART<br>NUMBER |

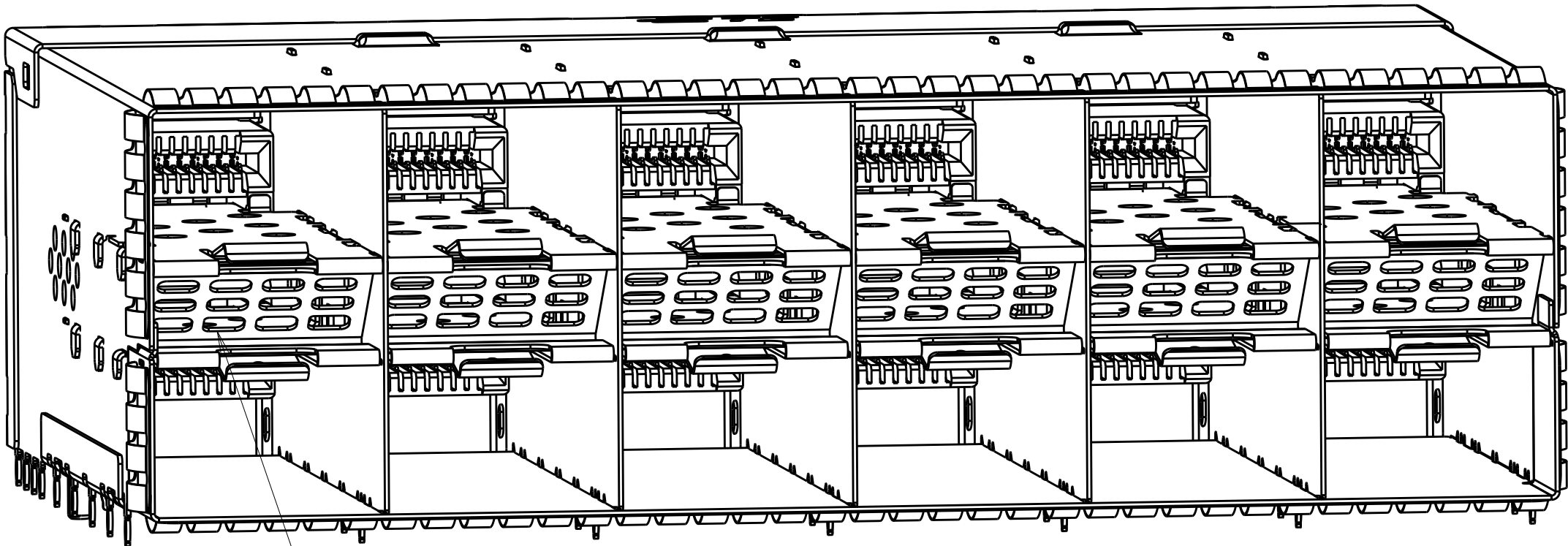
|                                                                              |  |                                                           |                                                    |  |
|------------------------------------------------------------------------------|--|-----------------------------------------------------------|----------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                       |  | DWN<br>M.E. CONWHER<br>13DEC2011                          | TE Connectivity                                    |  |
| DIMENSIONS:<br>mm                                                            |  | CHK<br>M.D. MORRISON<br>13DEC2011                         |                                                    |  |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                    |  | APVD<br>M.D. MORRISON<br>13DEC2011                        | NAME<br>RECEPTACLE ASSEMBLY ,2X6<br>STACKED, zSFP+ |  |
| 0 PLC ±<br>1 PLC ±0.20<br>2 PLC ±0.15<br>3 PLC ±0.10<br>4 PLC ±<br>ANGLES ±° |  | PRODUCT SPEC<br>108-2481<br>APPLICATION SPEC<br>114-13319 | SIZE<br>A1                                         |  |
| MATERIAL<br>SEE<br>NOTES                                                     |  | WEIGHT<br>-                                               | CUSTOMER DRAWING                                   |  |
| SCALE<br>1:1                                                                 |  | SHEET<br>1                                                | REV<br>B2                                          |  |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 |      | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

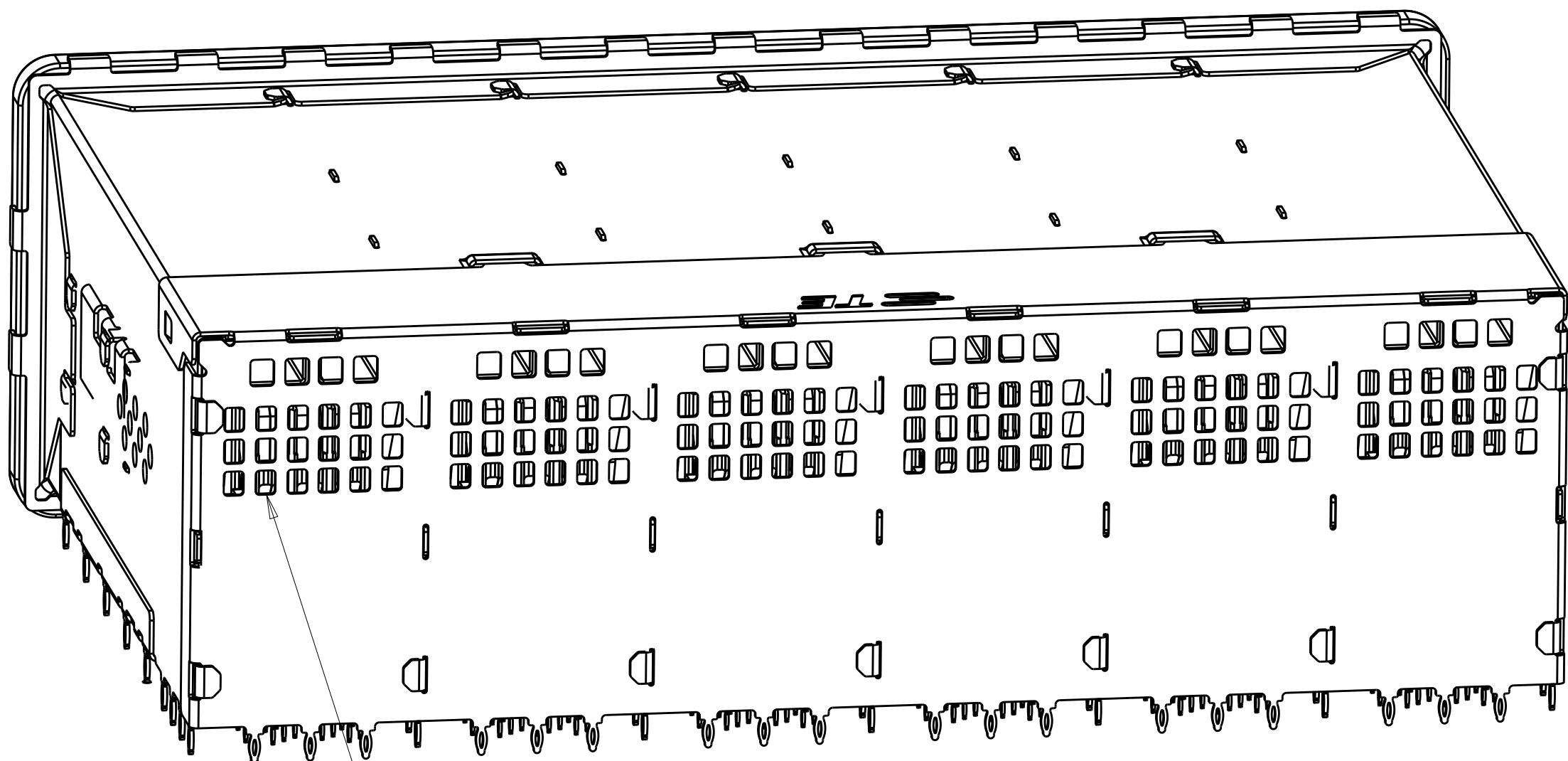
AIRFOLW ENHANCE TYPE



AIR VENTS

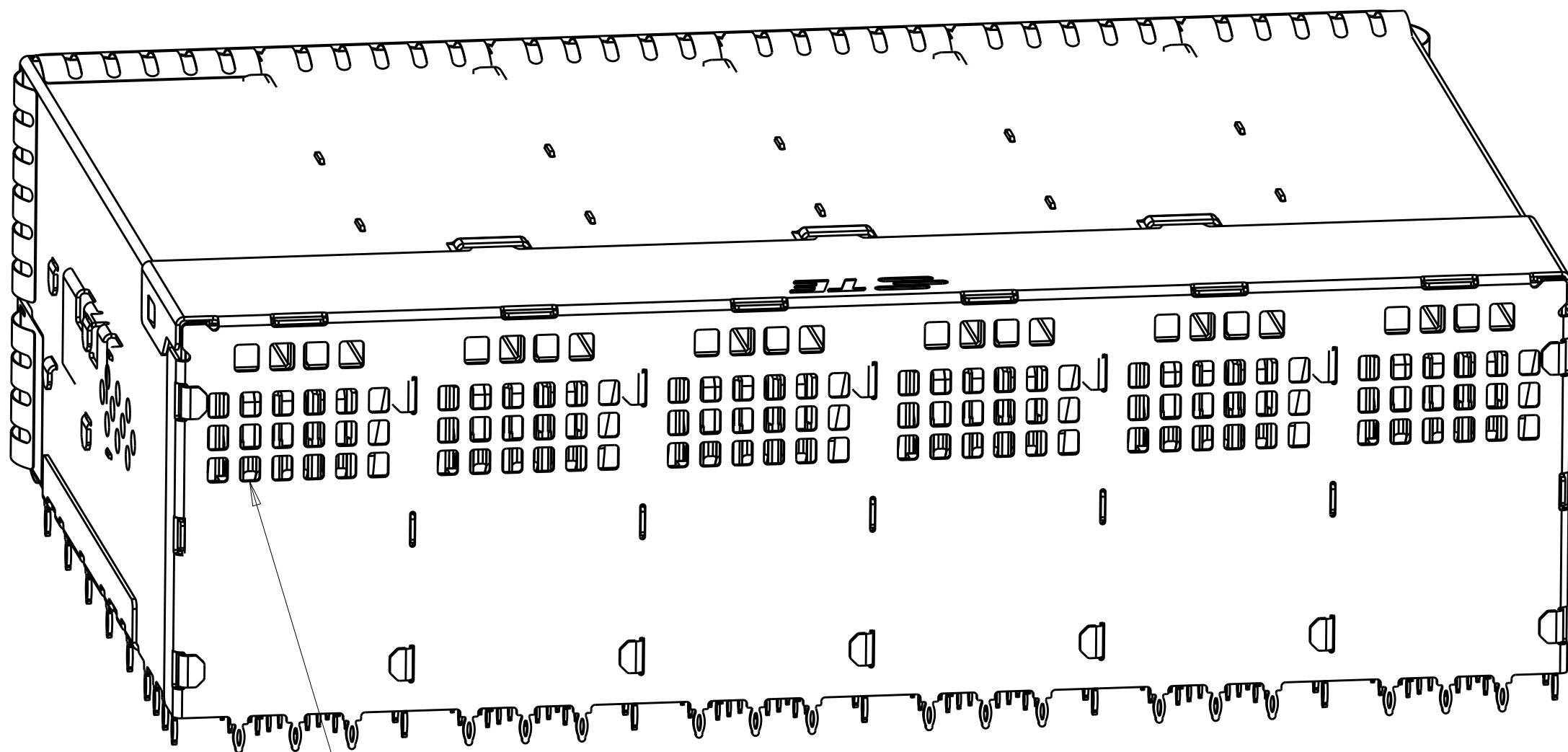


AIR VENTS



AIR VENTS

3-2198339-0  
EMI GASKET TYPE

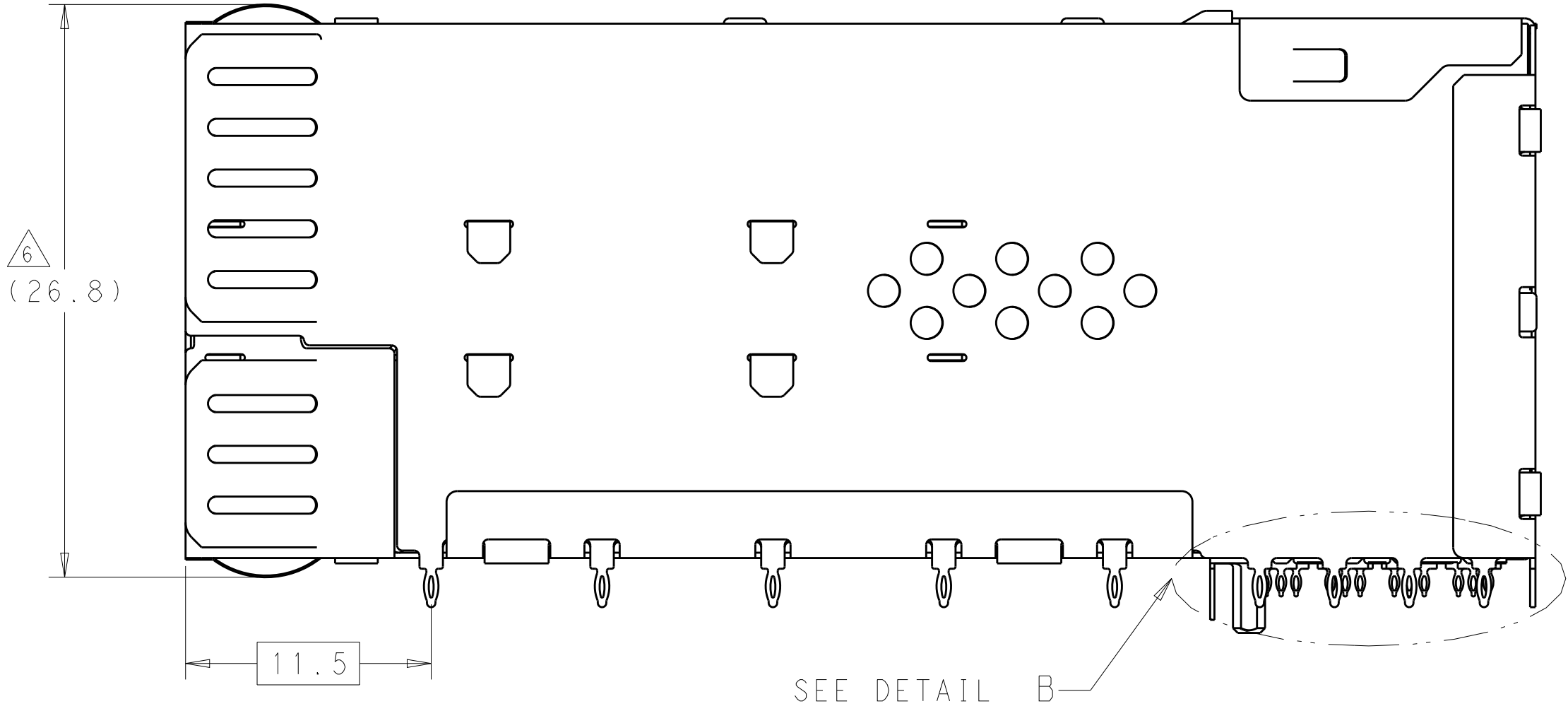
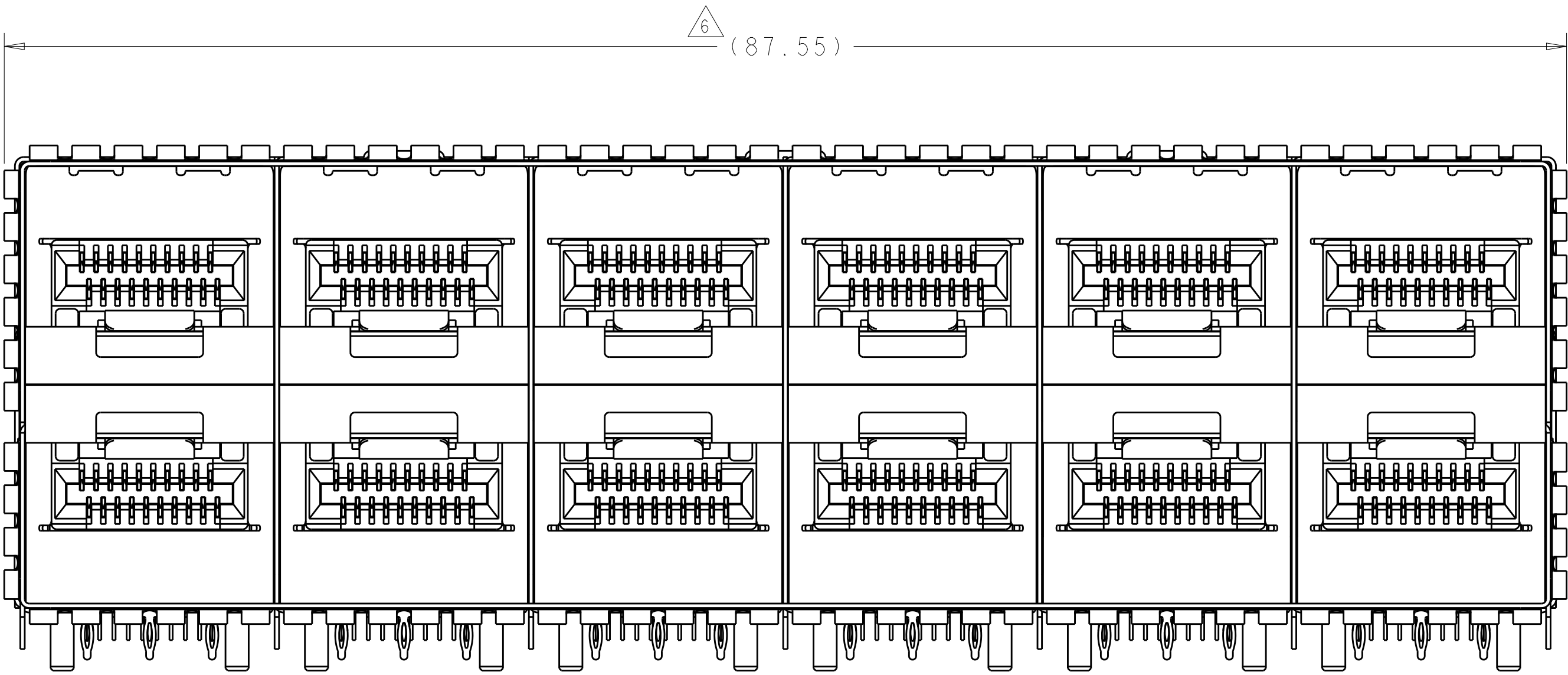


AIR VENTS

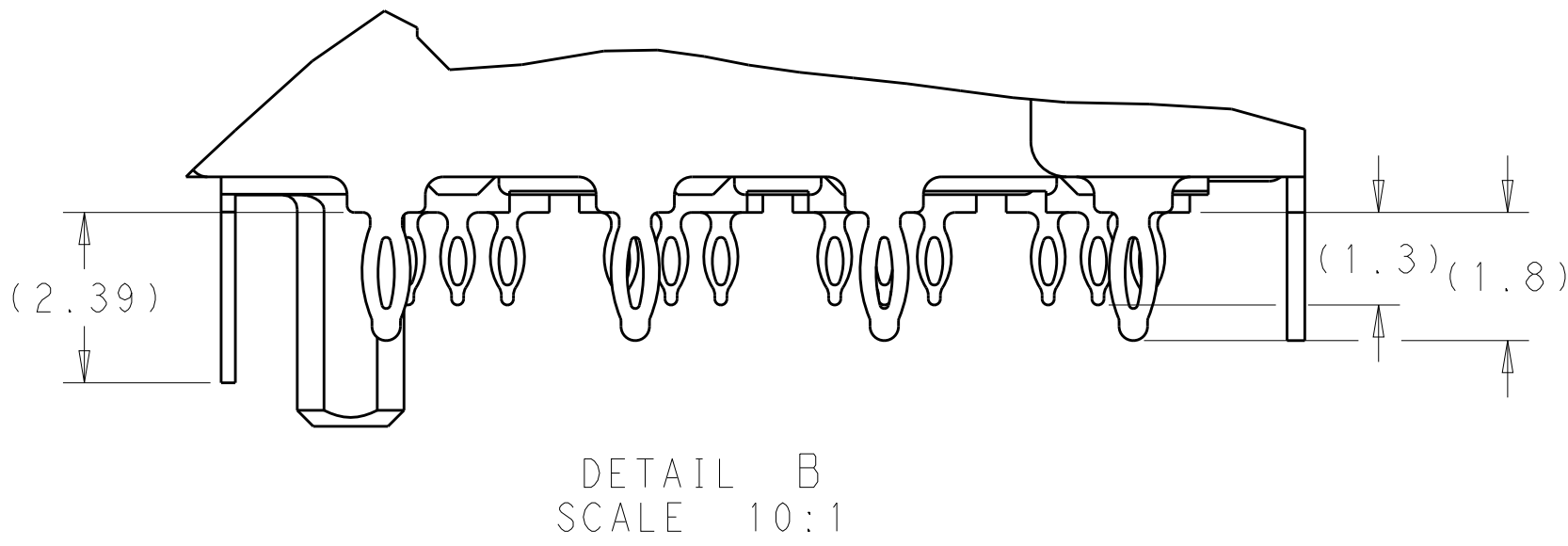
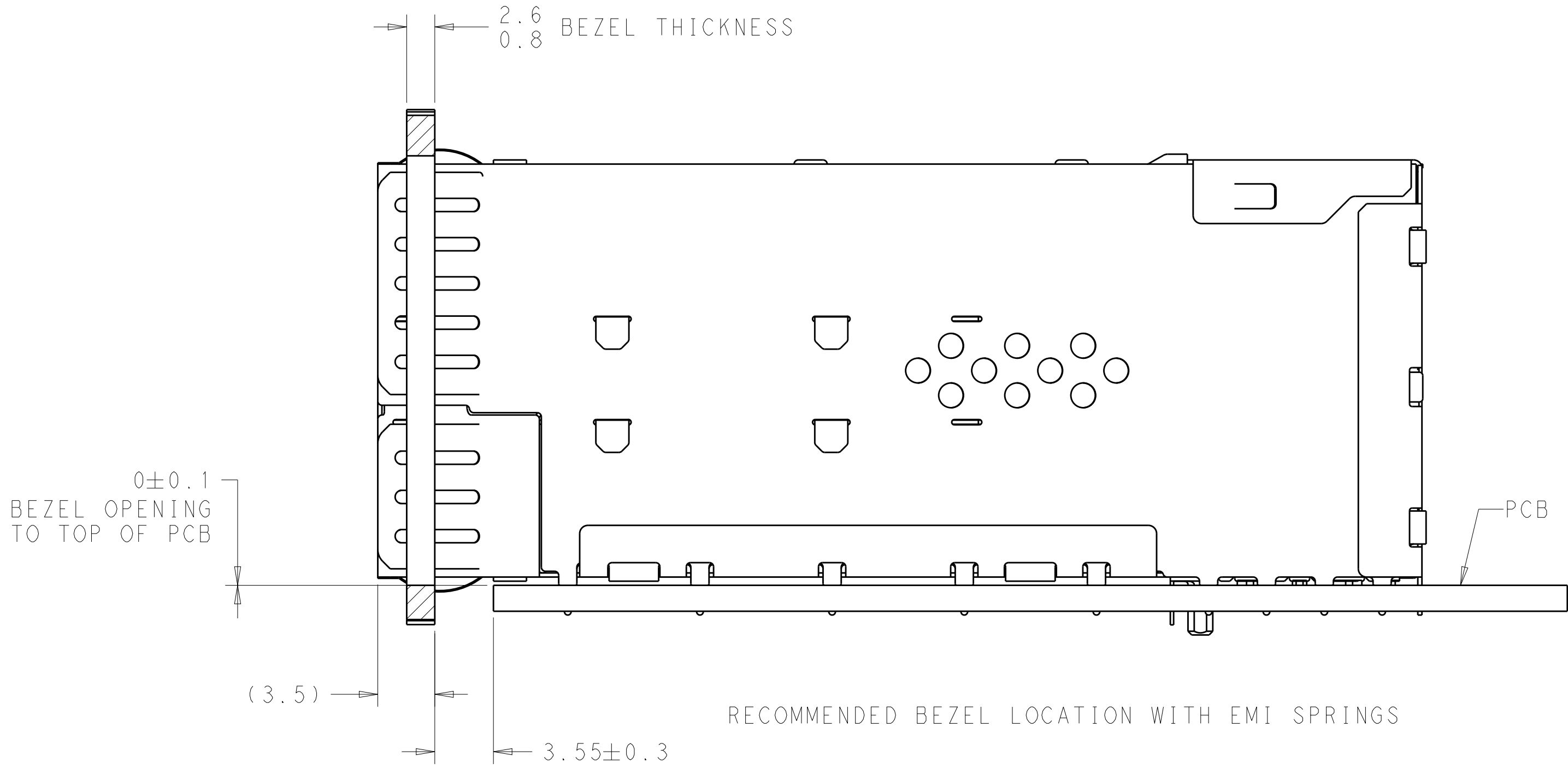
3-2198339-1  
EMI SPRING TYPE

|                                                                                       |  |                                                                                                |  |                                     |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|-------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M.E. CONNER<br>CHK<br>M.D. MORRISON<br>APVD<br>M.D. MORRISON                            |  | 07DEC2011<br>13DEC2011<br>13DEC2011 |  |  TE Connectivity |  |
| DIMENSIONS:                                                                           |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                         |  |                                     |  | NAME<br>RECEPTACLE ASSEMBLY ,2X6<br>STACKED,zSFP+                                                     |  |
| mm                                                                                    |  | 0 PLC ±.20<br>1 PLC ±0.20<br>2 PLC ±0.15<br>3 PLC ±0.10<br>4 PLC ±.10<br>ANGLES ±.5°<br>FINISH |  |                                     |  |                                                                                                       |  |
|  |  | SEE NOTES                                                                                      |  |                                     |  | RESTRICTED TO                                                                                         |  |
| MATERIAL<br>SEE NOTES                                                                 |  | SEE NOTES                                                                                      |  |                                     |  | SIZE<br>A100779C-2198339                                                                              |  |
|                                                                                       |  | Customer Drawing                                                                               |  |                                     |  | SCALE<br>1:1                                                                                          |  |
|                                                                                       |  |                                                                                                |  |                                     |  | SHEET<br>2 OF 6                                                                                       |  |
|                                                                                       |  |                                                                                                |  |                                     |  | REV<br>B2                                                                                             |  |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
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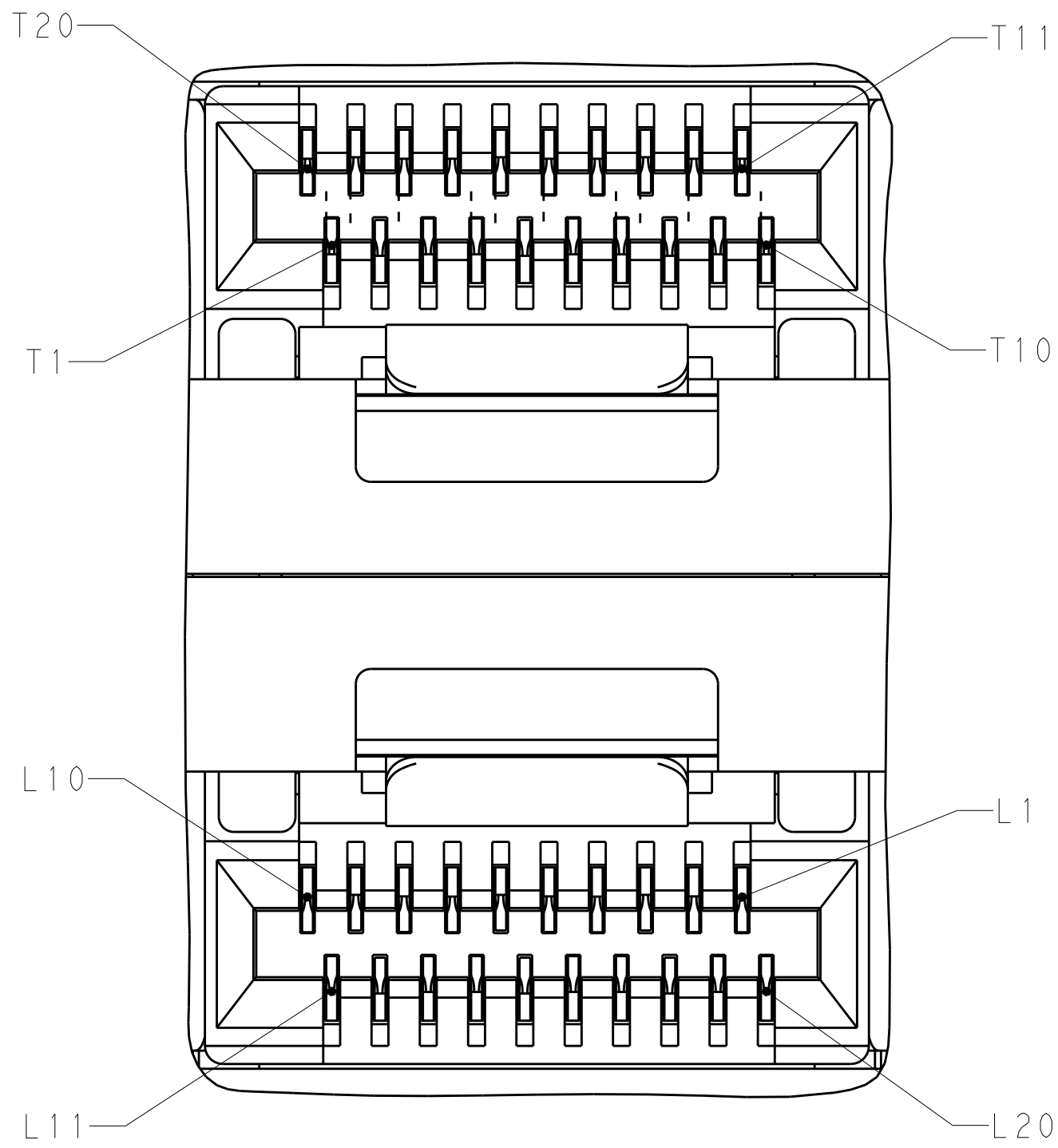
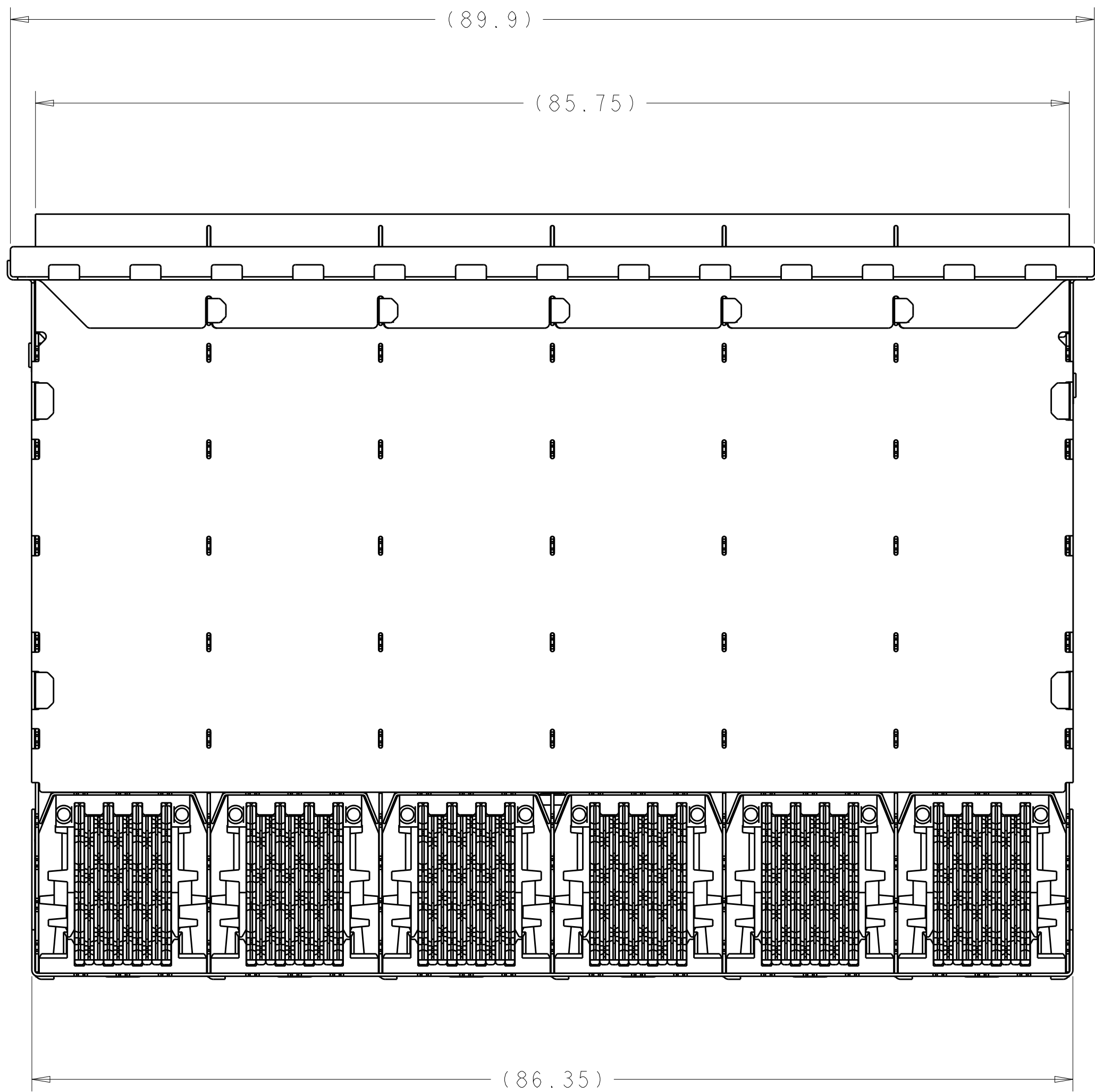
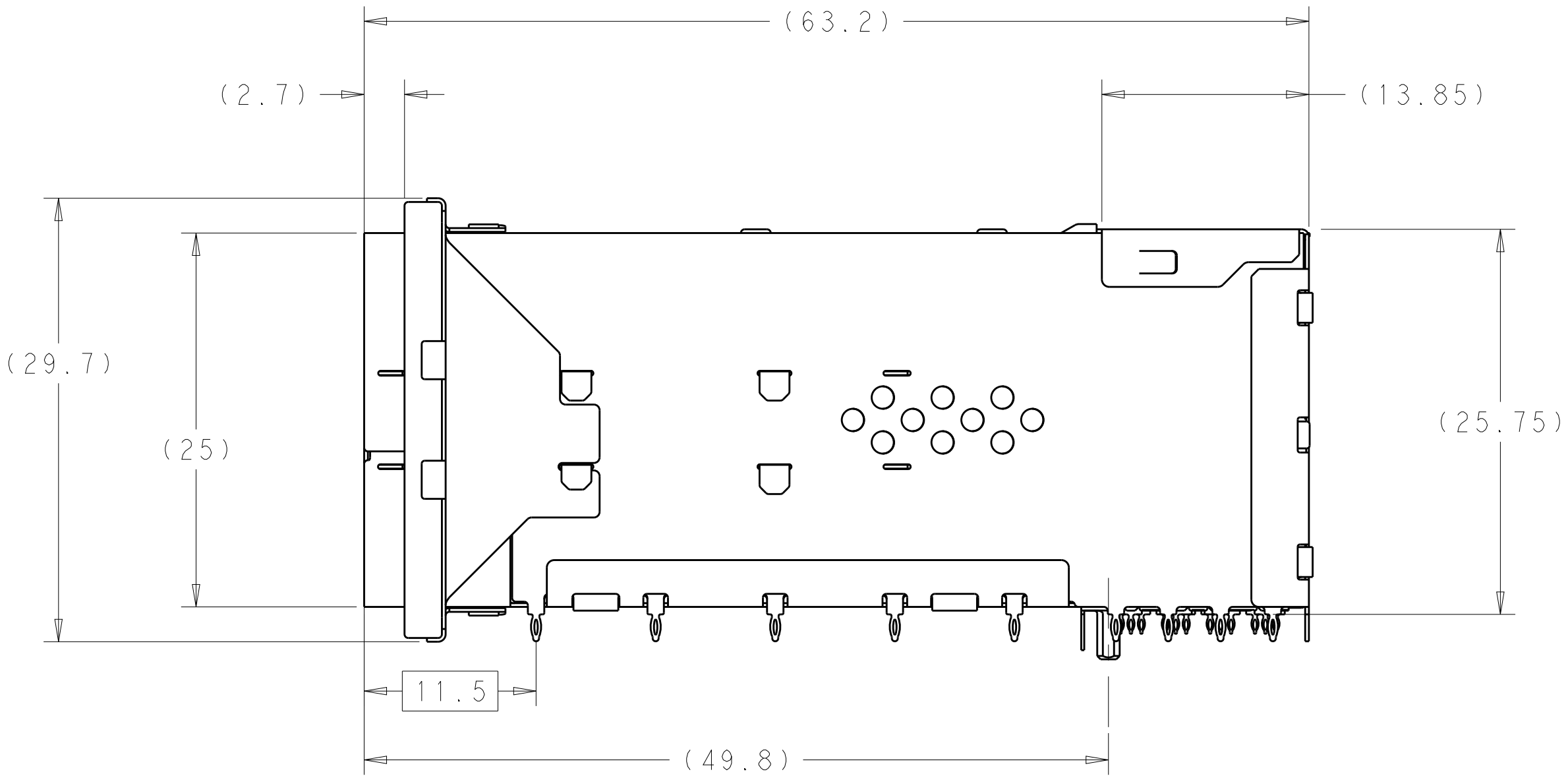
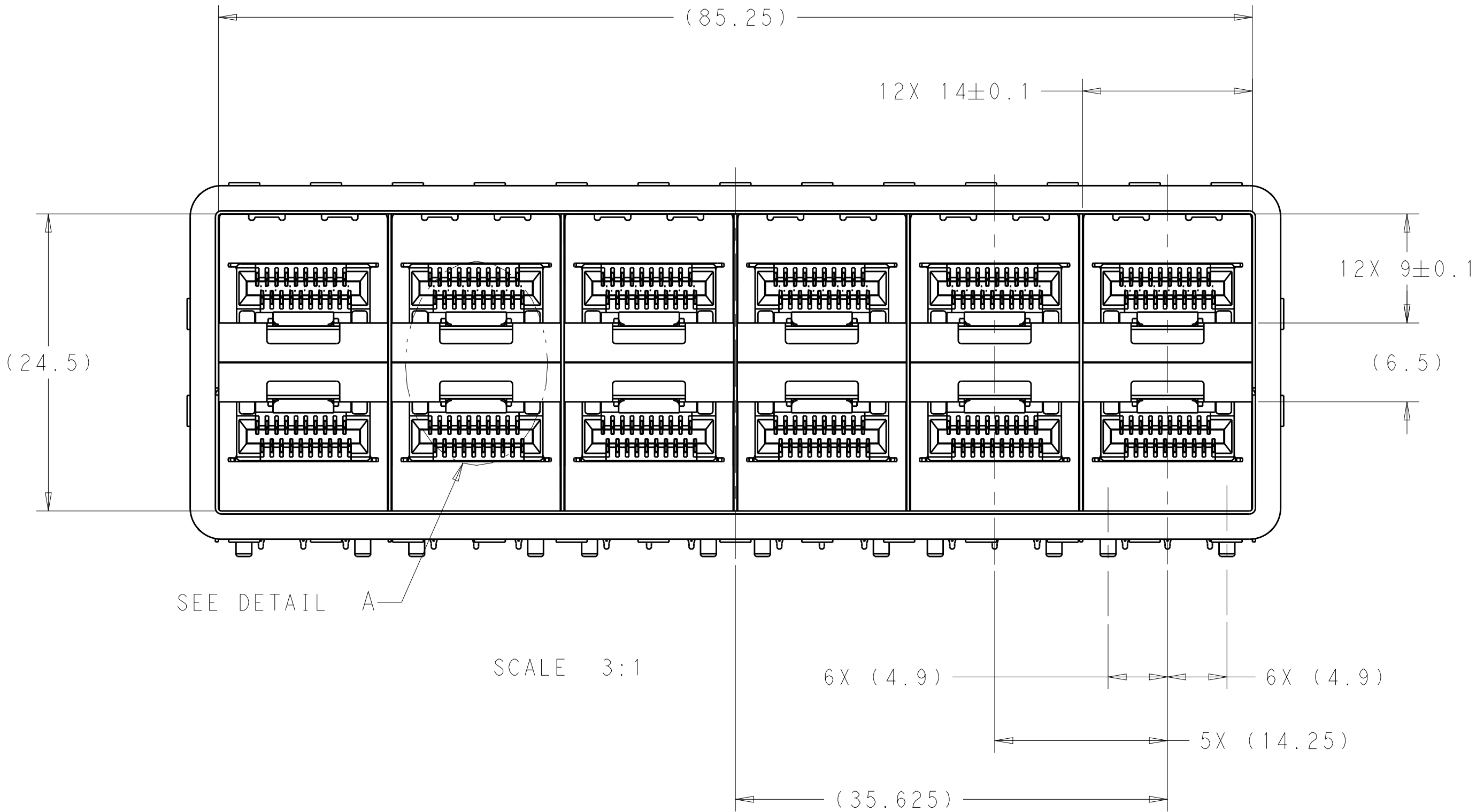


2198339-5 THRU 2198339-8, 1-2198339-9, 2-2198339-0, 2-2198339-1  
EMI SPRINGS ONLY  
SCALE 4:1



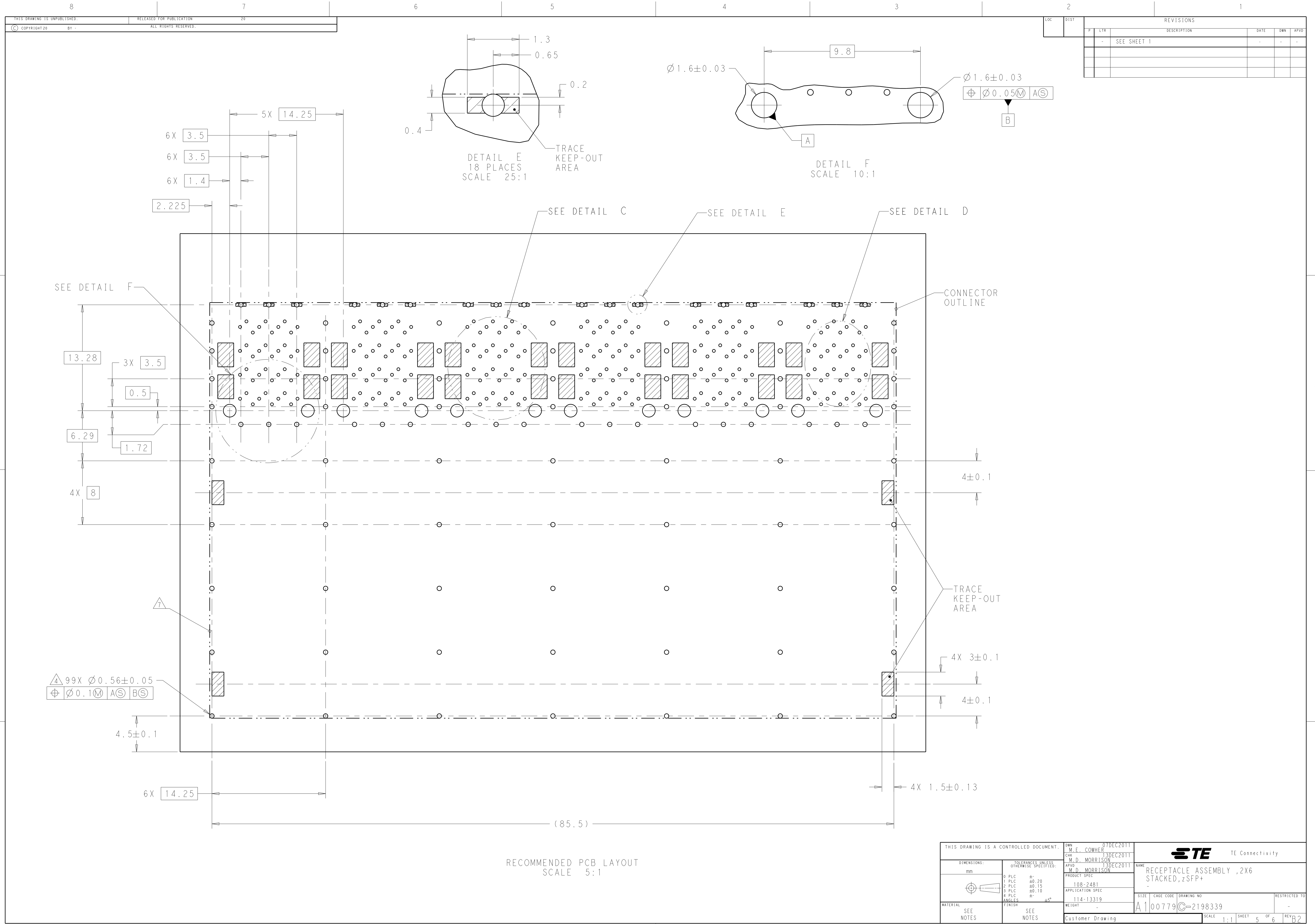
|                                        |                                                                       |                                                                     |                                        |                 |                  |
|----------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------|-----------------|------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                       | DWN<br>M.E. CONNER<br>CHK<br>M.D. MORRISON<br>APVD<br>M.D. MORRISON | 07DEC2011<br>13DEC2011<br>13DEC2011    | TE Connectivity |                  |
| DIMENSIONS:                            | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                | PRODUCT SPEC                                                        | NAME                                   |                 |                  |
| mm                                     | 0 PLC ±.20<br>1 PLC ±0.20<br>2 PLC ±0.15<br>3 PLC ±0.10<br>4 PLC ±.10 | 108-2481                                                            | RECEPTACLE ASSEMBLY ,2X6 STACKED,zSFP+ | SIZE            | CAGE CODE        |
|                                        | ANGLES ±.5°                                                           | APPLICATION SPEC                                                    | -                                      | DRAWING NO      | RESTRICTED TO    |
| MATERIAL                               | SEE NOTES                                                             | WEIGHT                                                              | -                                      | A100779         | Customer Drawing |
| SCALE                                  | 1:1                                                                   | SHEET                                                               | 3                                      | OF              | 6                |
| REV                                    | B2                                                                    |                                                                     |                                        |                 |                  |

| LOC |     | DIST        |  | REVISIONS |     |      |  |
|-----|-----|-------------|--|-----------|-----|------|--|
| P   | LTR | DESCRIPTION |  | DATE      | DWN | APVD |  |
| -   | -   | SEE SHEET 1 |  | -         | -   | -    |  |
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|     |     |             |  |           |     |      |  |

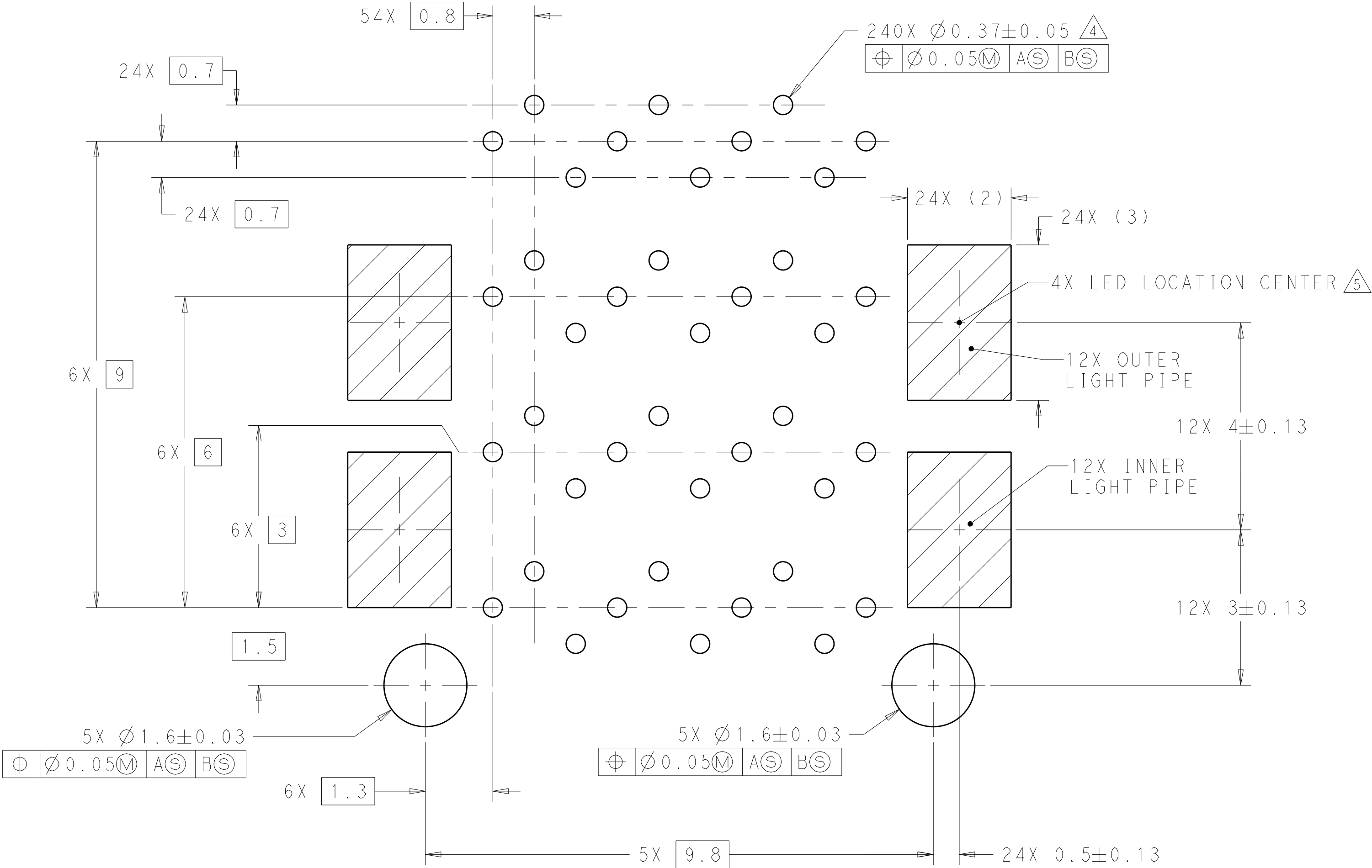


DETAIL A  
6X INDIVIDUALLY  
SCALE 10:1

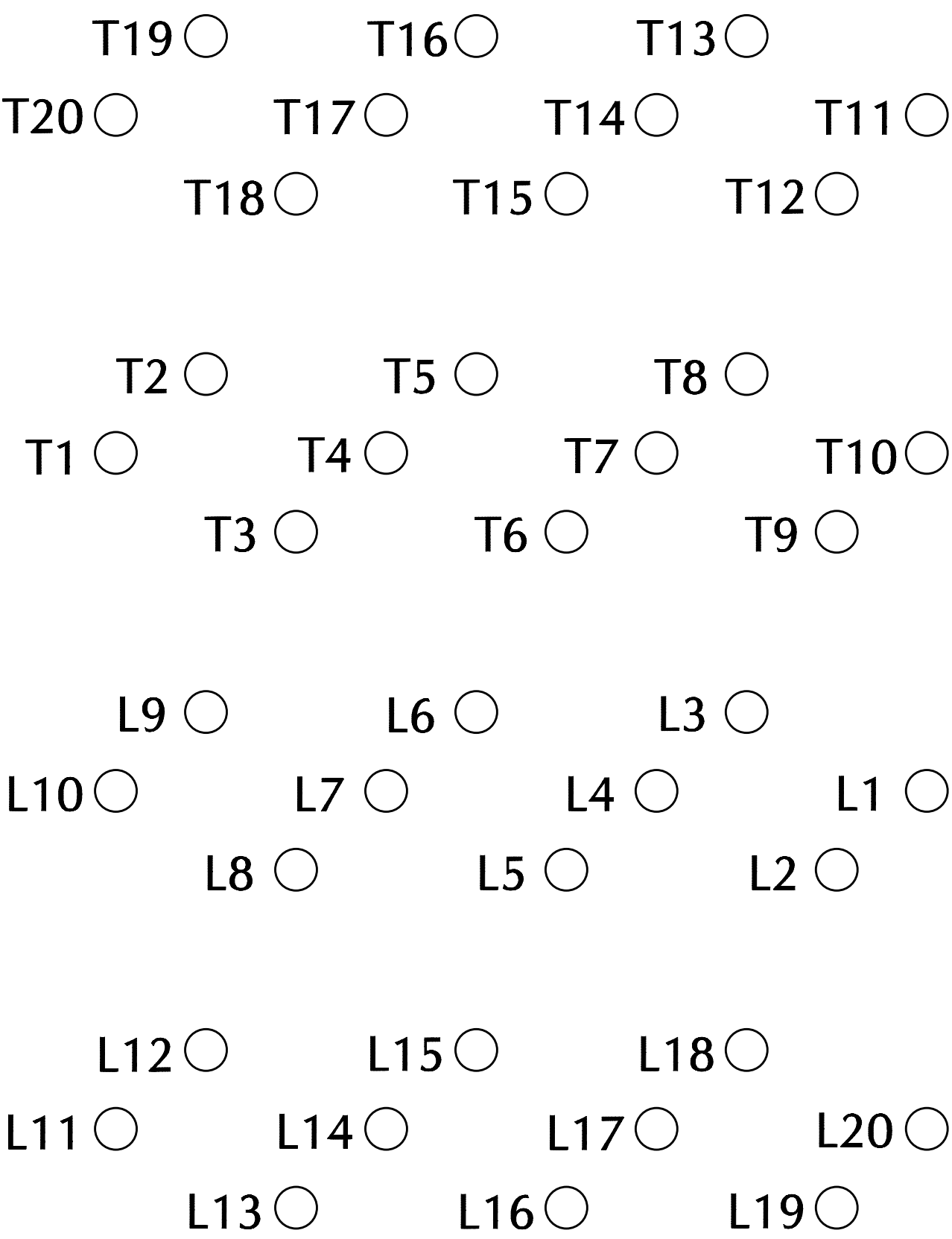
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| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                               | DWN<br>M.E. CONNER<br>CHK<br>M.D. MORRISON<br>APVD<br>M.D. MORRISON | 07DEC2011<br>13DEC2011<br>13DEC2011       | TE Connectivity |               |
| DIMENSIONS:                            | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                        | PRODUCT SPEC                                                        | NAME                                      |                 |               |
| mm                                     | 0 PLC ±.20<br>1 PLC ±0.15<br>2 PLC ±0.10<br>3 PLC ±.10<br>4 PLC ±.10<br>ANGLES ±.5°<br>FINISH | 108-2481                                                            | RECEPTACLE ASSEMBLY ,2X6<br>STACKED,zSFP+ | SIZE            | RESTRICTED TO |
| MATERIAL                               | SEE NOTES                                                                                     | 114-13319                                                           | A100779                                   | CAGE CODE       |               |
| SEE NOTES                              | SEE NOTES                                                                                     | WEIGHT                                                              | Customer Drawing                          | DRAWING NO      |               |
|                                        |                                                                                               | SCALE                                                               | 1:1                                       | SHEET           | 4 OF 6        |
|                                        |                                                                                               | REV                                                                 | B2                                        |                 |               |



| LOC |     | DIST        |  | REVISIONS |     |      |  |
|-----|-----|-------------|--|-----------|-----|------|--|
| P   | LTR | DESCRIPTION |  | DATE      | DWN | APVD |  |
| -   | -   | SEE SHEET 1 |  | -         | -   | -    |  |
|     |     |             |  |           |     |      |  |
|     |     |             |  |           |     |      |  |
|     |     |             |  |           |     |      |  |



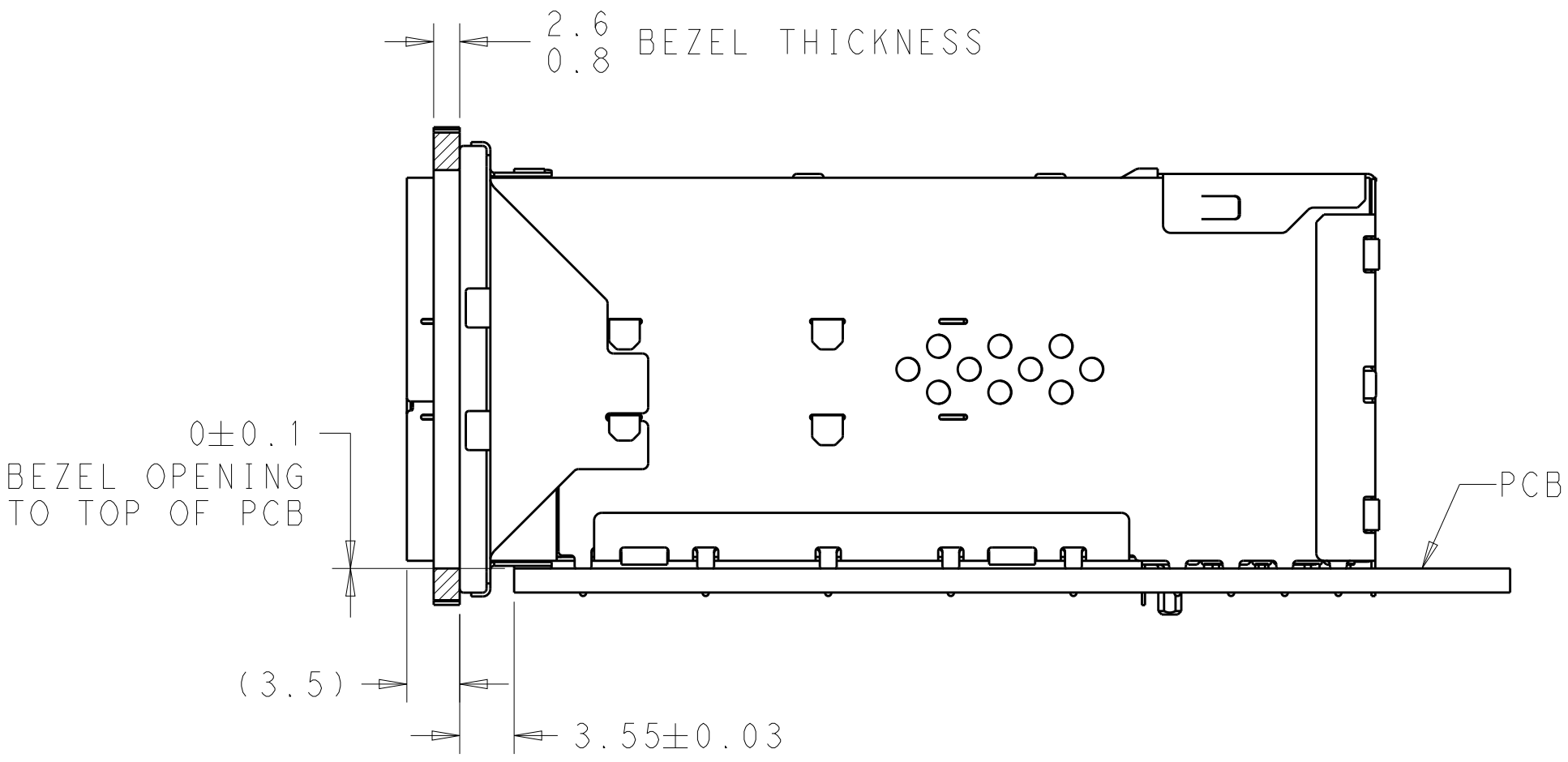
DETAIL C  
RECOMMENDED PIN AND LIGHT PIPE LAYOUT  
SCALE 15:1



RECOMMENDED BEZEL CUT-OUT DETAIL  
SCALE 5:2

| PIN MAP LEGEND |            |
|----------------|------------|
| PIN NUMBER     | FUNCTION   |
| L1/T1          | VEET       |
| L2/T2          | TX-FAULT   |
| L3/T3          | TX-DISABLE |
| L4/T4          | SDA        |
| L5/T5          | SCL        |
| L6/T6          | MOD_ABS    |
| L7/T7          | RSO        |
| L8/T8          | RX_LOS     |
| L9/T9          | RS1        |
| L10/T10        | VEER       |
| L11/T11        | VEER       |
| L12/T12        | RD-        |
| L13/T13        | RD+        |
| L14/T14        | VEER       |
| L15/T15        | VCCR       |
| L16/T16        | VCCT       |
| L17/T17        | VEET       |
| L18/T18        | TD+        |
| L19/T19        | TD-        |
| L20/T20        | VEET       |

DETAIL D  
PIN MAP  
6 PLACES  
SCALE 20:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET  
SCALE 5:2

|                                        |                                                                                     |                                                                     |                                     |                                        |            |
|----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------|----------------------------------------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                     | DWN<br>M.E. CONNER<br>CHK<br>M.D. MORRISON<br>APVD<br>M.D. MORRISON | 07DEC2011<br>13DEC2011<br>13DEC2011 | TE Connectivity                        |            |
| DIMENSIONS:                            | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                              | PRODUCT SPEC                                                        | NAME                                | RECEPTACLE ASSEMBLY ,2X6 STACKED,zSFP+ |            |
| mm                                     | 0 PLC ±.20<br>1 PLC ±0.15<br>2 PLC ±0.10<br>3 PLC ±.10<br>4 PLC ±.10<br>ANGLES ±.5° | APPLICATION SPEC                                                    | SIZE                                | CAGE CODE                              | DRAWING NO |
| MATERIAL                               | SEE NOTES                                                                           | WEIGHT                                                              | A1                                  | 00779                                  | C=2198339  |
| Customer Drawing                       |                                                                                     | SCALE                                                               | 1:1                                 | SHEET                                  | 6 OF 6     |
|                                        |                                                                                     | REV                                                                 | B2                                  |                                        |            |



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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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.