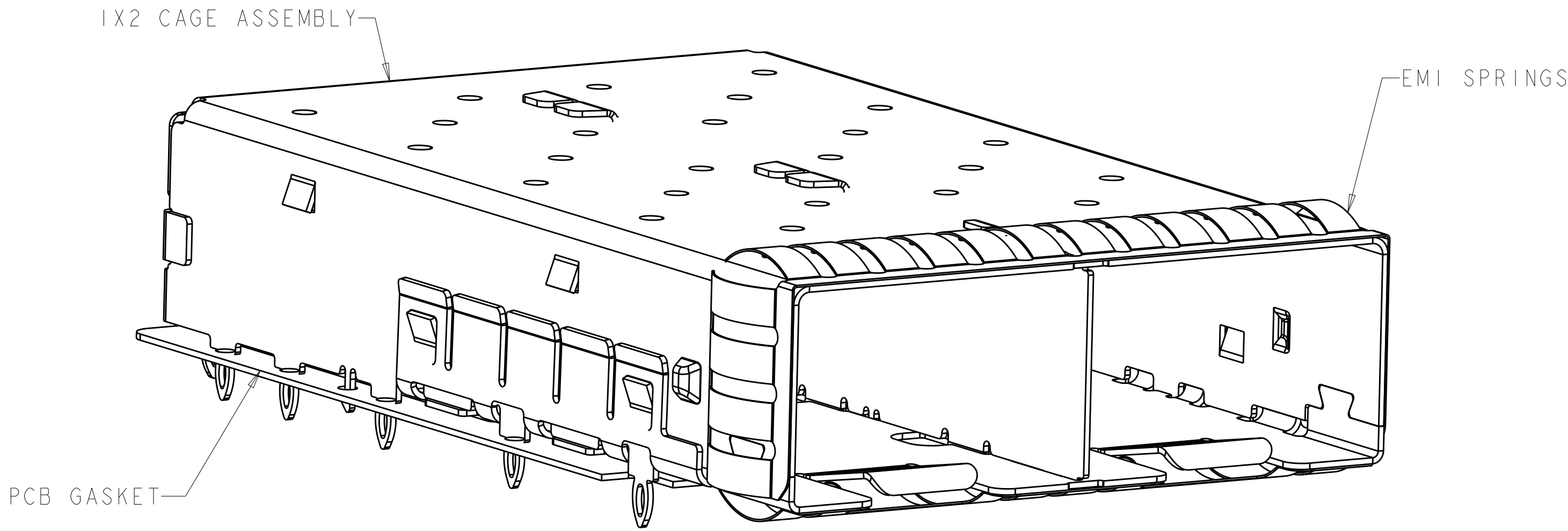
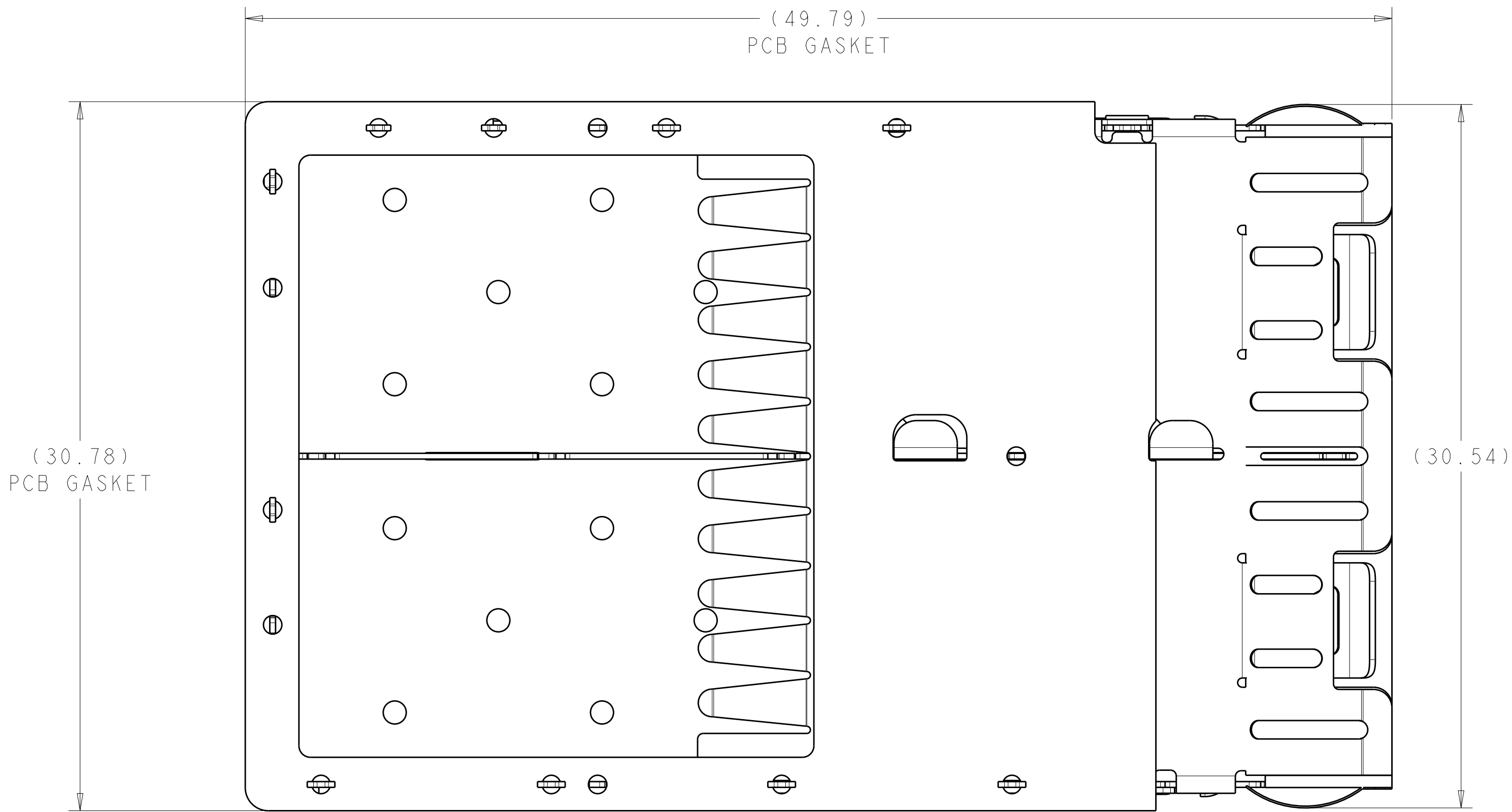
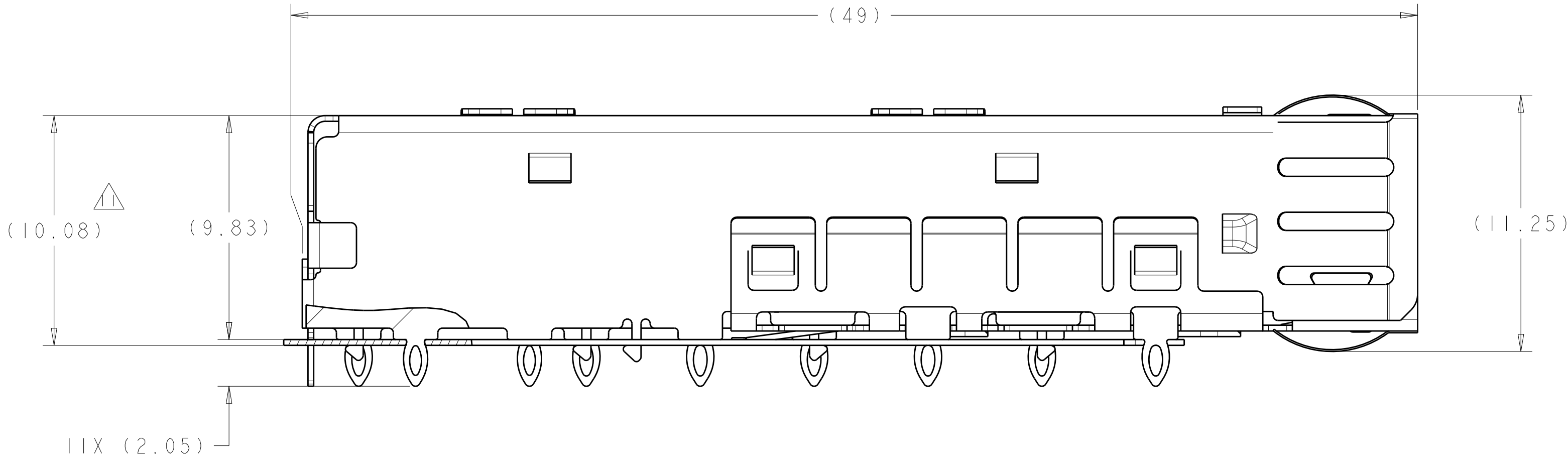


| LOC | DIST | REVISIONS |     |                           |           |     |      |  |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|--|
|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |  |
| GP  | 00   |           | A   | REVISED PER ECO-15-002647 | 05MAR2015 | AP  | MS   |  |
|     |      |           | B   | REVISED PER ECO-16-014593 | 13FEB2017 | JW  | SH   |  |
|     |      |           |     |                           |           |     |      |  |
|     |      |           |     |                           |           |     |      |  |



2227728-1



- 1

MATERIAL:  
CAGE ASSEMBLY: NICKEL SILVER ALLOY  
EMI SPRINGS: COPPER ALLOY  
PCB GASKET: RF ABSORBER
- 2

MINIMUM PC BOARD THICKNESS:  
SINGLE SIDED = 1.45mm  
BELLY TO BELLY = 2.25mm
- 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

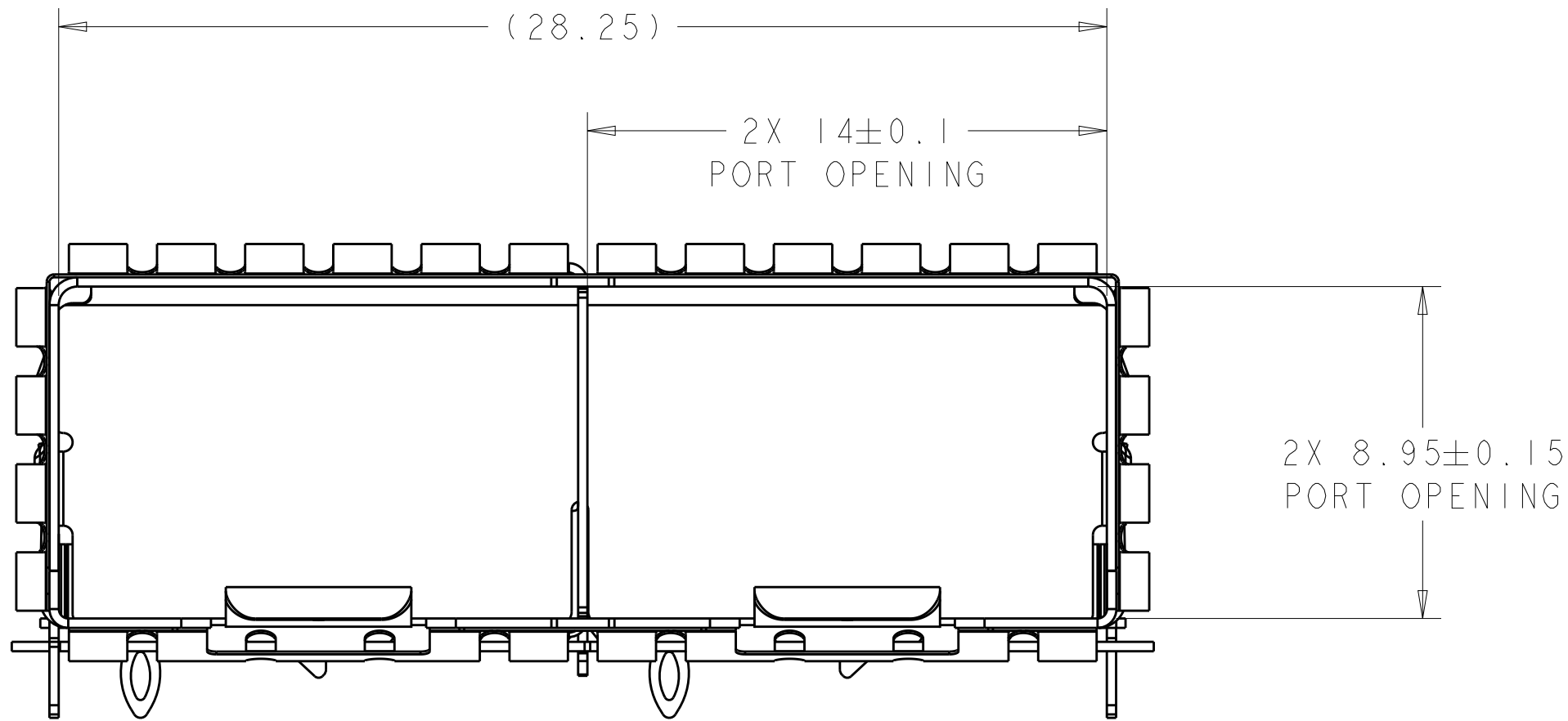
REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR  
RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS
- 8

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

PRODUCT COMPLIES WITH SPECIFICATION SFF-8433, IMPROVED  
PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES
- 11

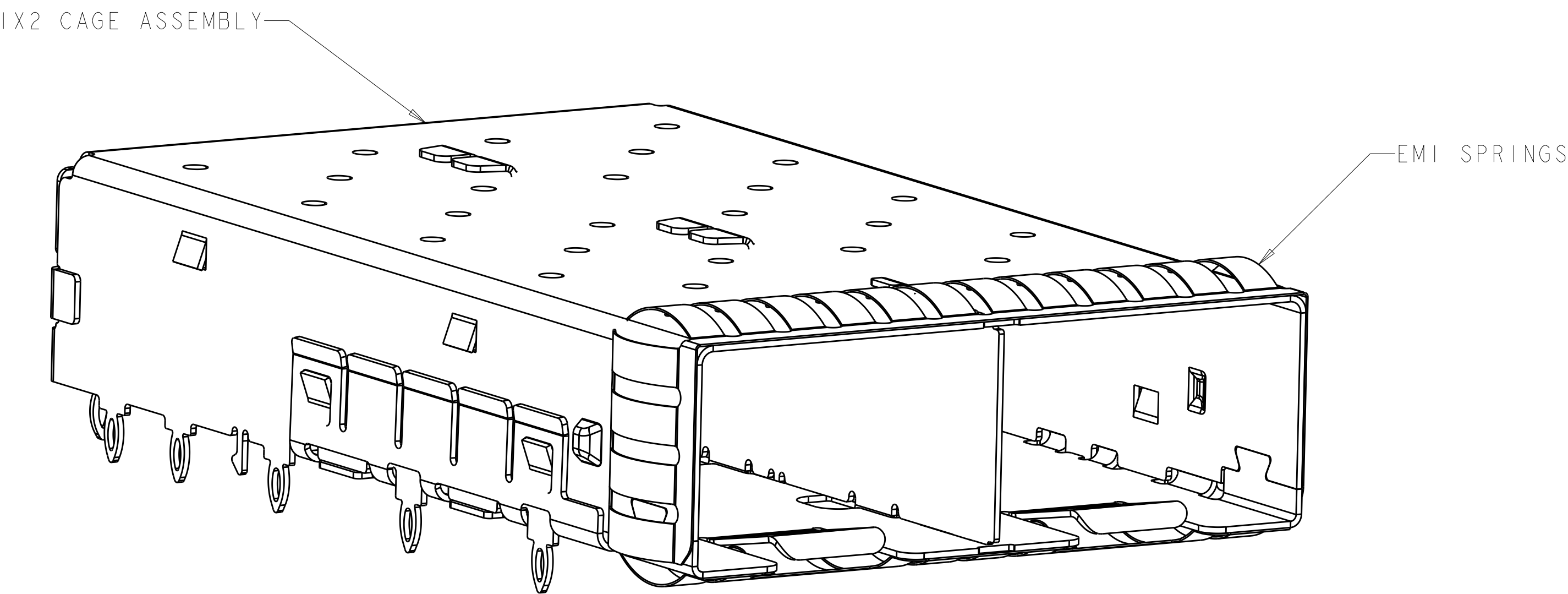
CONTACT STANDOFF WILL PIERCE GASKET WHEN PROPERLY PRESSED INTO PCB.



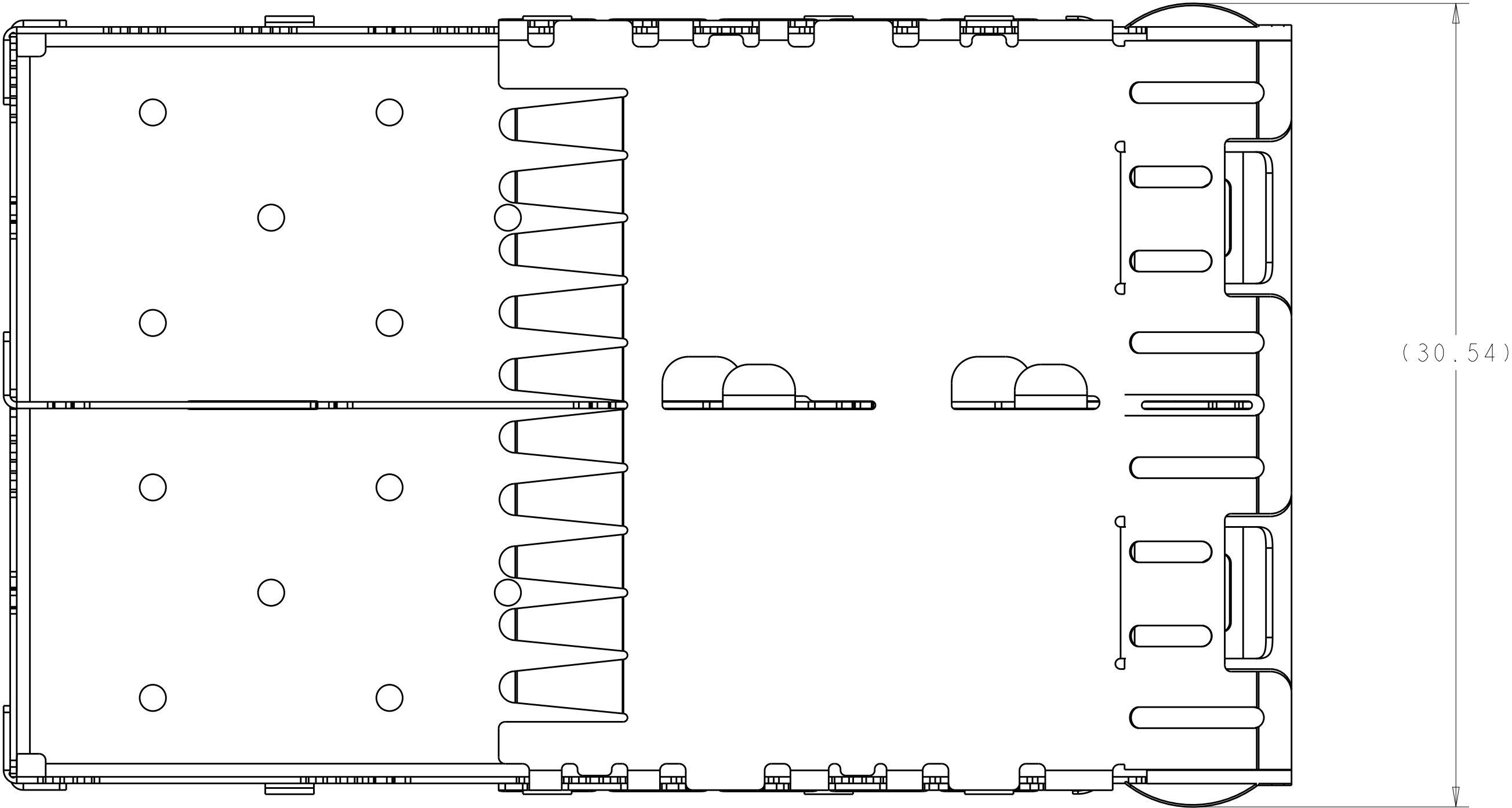
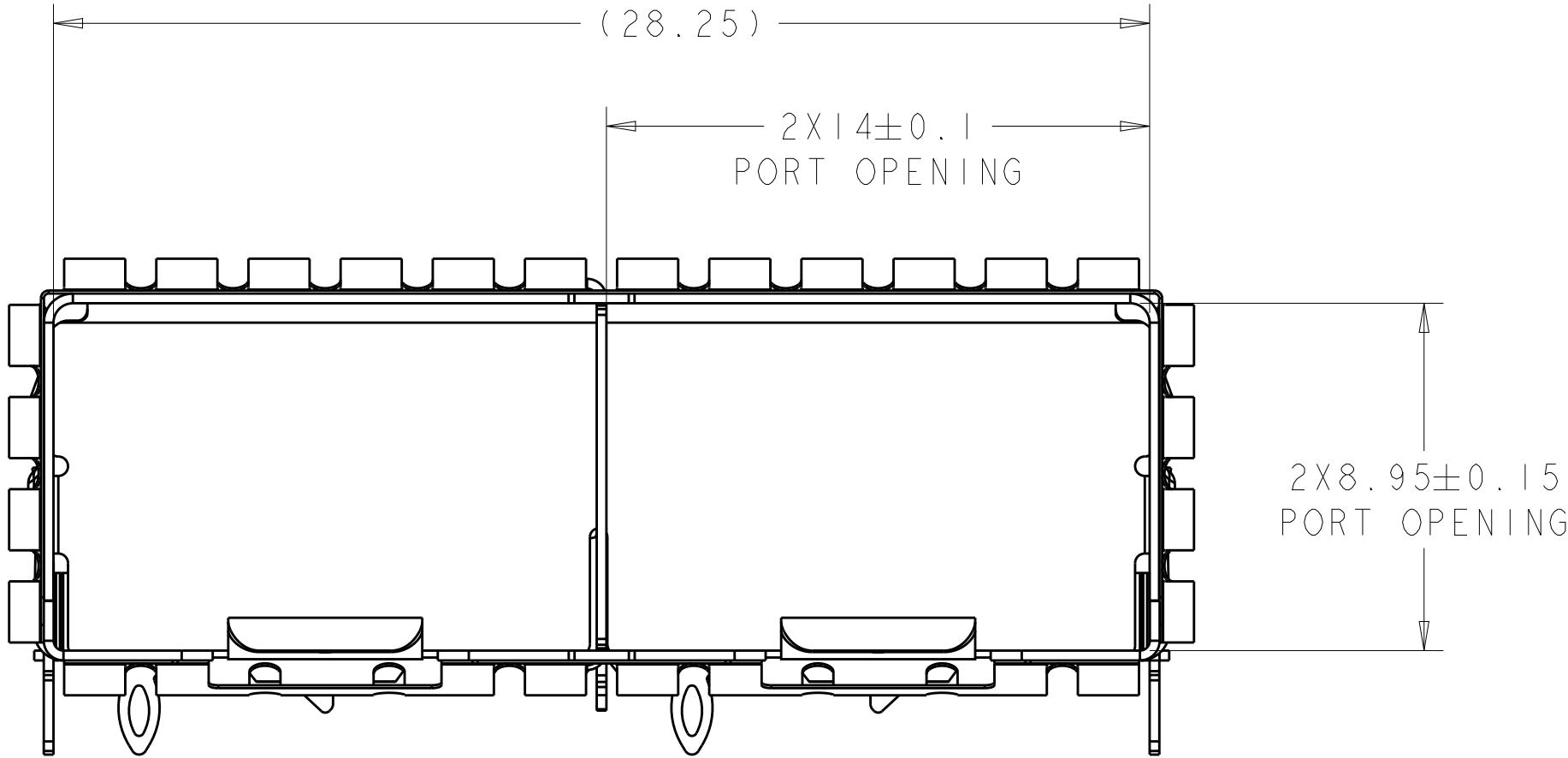
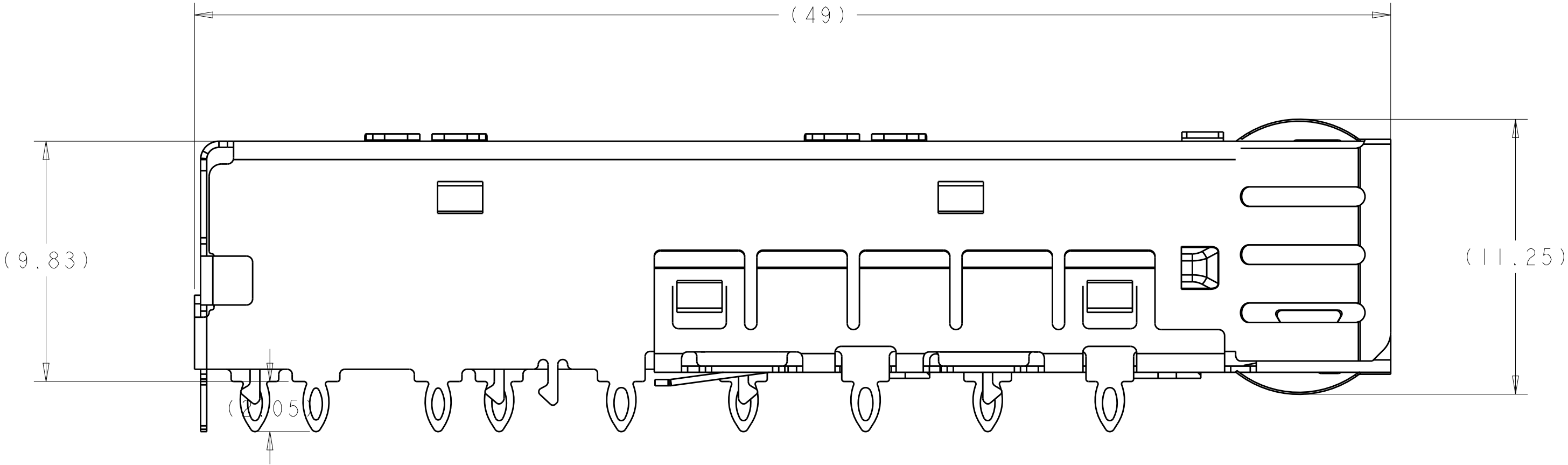
|            |                |
|------------|----------------|
| NO         | 2227728-3      |
| YES        | 2227728-1      |
| PCB GASKET | PART<br>NUMBER |

|                                        |    |                                        |              |                  |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
|----------------------------------------|----|----------------------------------------|--------------|------------------|-------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------|------|-----------|------------|---------------|--------------|--|----|--|---|--|-----|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |    | DWN                                    | M. E. CONNER | 08FEB2013        |  TE Connectivity | NAME  | CAGE ASSEMBLY WITH EMI SPRINGS,<br>PRESS-FIT, 1X2, zSFP+ | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |              |  |    |  |   |  |     |  |   |  |
| DIMENSIONS:                            | mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: |              |                  |                                                                                                       |       |                                                          |      |           |            |               | PRODUCT SPEC |  |    |  |   |  |     |  |   |  |
|                                        |    | 0 PLC                                  | ±0.25        | 108-2364         |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
|                                        |    | 1 PLC                                  | ±0.25        |                  |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
|                                        |    | 2 PLC                                  | ±0.25        |                  |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
|                                        |    | 4 PLC                                  | ±0.25        |                  |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
| ANGLES                                 |    | ±0.25                                  |              | APPLICATION SPEC |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
| FINISH                                 |    | 114-13120                              |              |                  |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
| WEIGHT                                 |    | -                                      |              |                  |                                                                                                       |       |                                                          |      |           |            |               |              |  |    |  |   |  |     |  |   |  |
| MATERIAL                               |    | SEE NOTES                              |              | Customer Drawing |                                                                                                       | SCALE |                                                          | 6:1  |           | SHEET      |               | 1            |  | OF |  | 5 |  | REV |  | B |  |

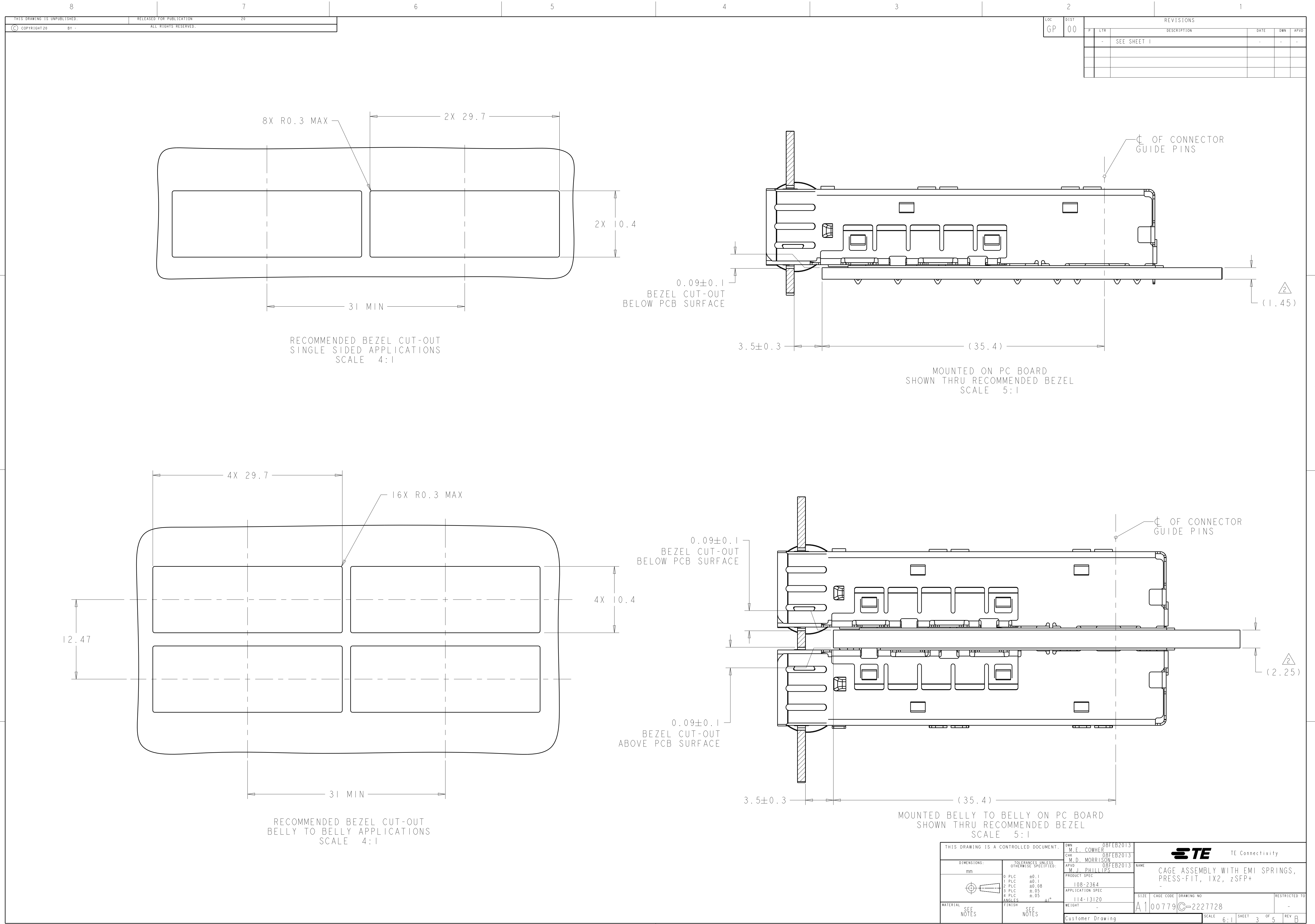
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| GP  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |



2227728-3

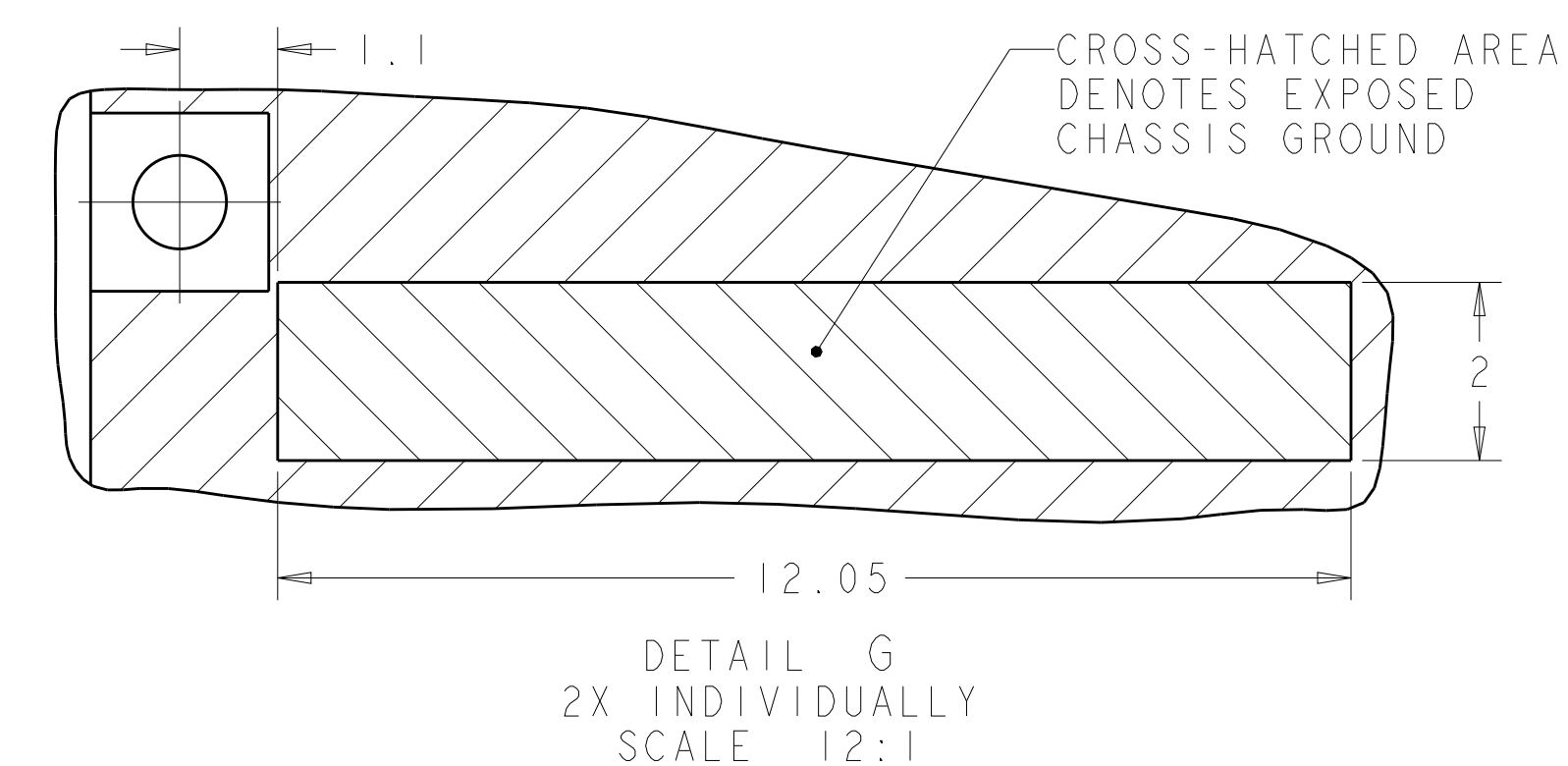
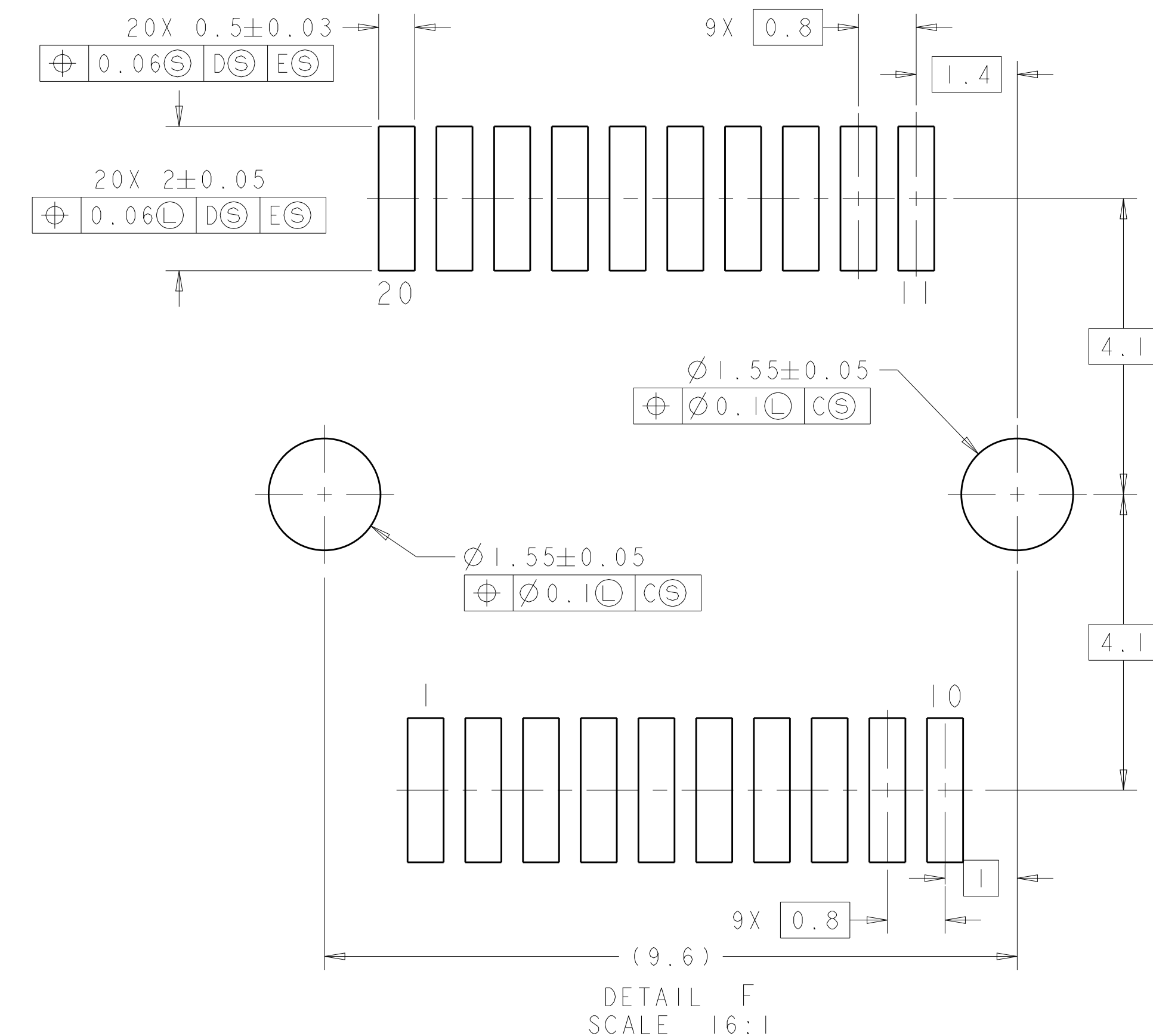


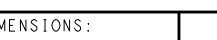
|                                        |                                        |                       |                  |                 |                                                       |
|----------------------------------------|----------------------------------------|-----------------------|------------------|-----------------|-------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | DWN<br>M.E. CONNER    | 08FEB2013        | TE Connectivity |                                                       |
| DIMENSIONS:                            |                                        | CHK<br>M.D. MORRISON  | 08FEB2013        |                 |                                                       |
| mm                                     | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD<br>M.J. PHILLIPS | 08FEB2013        | NAME            | CAGE ASSEMBLY WITH EMI SPRINGS, PRESS-FIT, 1X2, zSFP+ |
|                                        | 0 PLC                                  | ±0.25                 | PRODUCT SPEC     | SIZE            | CAGE CODE                                             |
|                                        | 1 PLC                                  | ±0.25                 | 108-2364         | 100779          | C=2227728                                             |
|                                        | 2 PLC                                  | ±0.25                 | APPLICATION SPEC | SCALE           | 6:1                                                   |
|                                        | 3 PLC                                  | ±0.25                 | 114-13120        | SHEET           | 2 OF 5                                                |
| MATERIAL                               | SEE NOTES                              | FINISH                | SEE NOTES        | WEIGHT          | -                                                     |
| Customer Drawing                       |                                        | REV                   |                  | B               |                                                       |



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

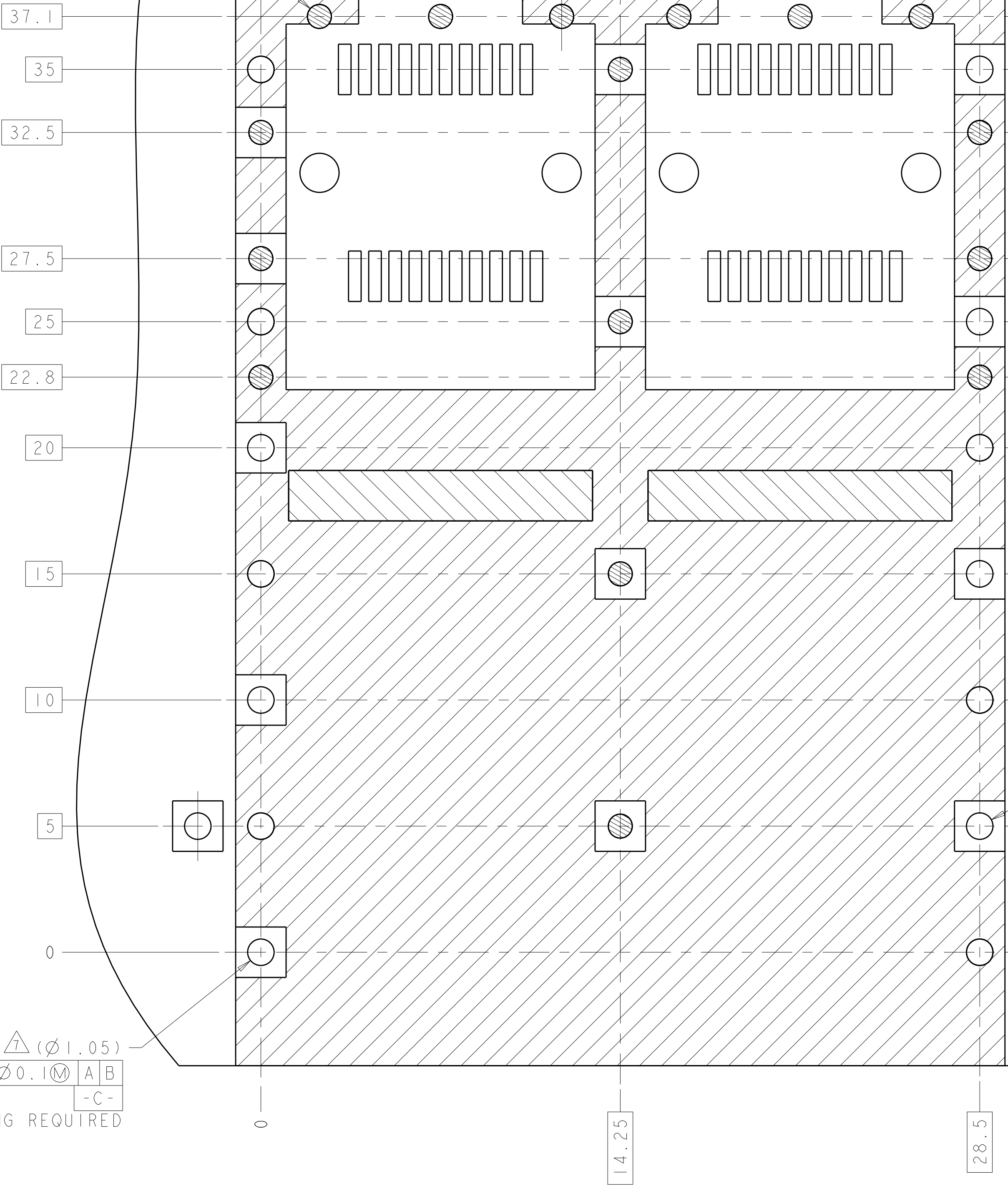
|                                                                                       |  |                                        |  |                  |               |                                                          |                                                                                                       |           |  |            |  |               |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------|--|------------------|---------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------|--|------------|--|---------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |                                        |  | DWN              | M.E. CONNER   | 08FEB2013                                                |  TE Connectivity |           |  |            |  |               |  |
|                                                                                       |  |                                        |  | CHK              | M.D. MORRISON | 08FEB2013                                                |                                                                                                       |           |  |            |  |               |  |
|                                                                                       |  |                                        |  | APVD             | M.J. PHILLIPS | 08FEB2013                                                |                                                                                                       |           |  |            |  |               |  |
| DIMENSIONS:                                                                           |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | NAME             |               | CAGE ASSEMBLY WITH EMI SPRINGS,<br>PRESS-FIT, 1X2, zSFP+ |                                                                                                       |           |  |            |  |               |  |
| mm                                                                                    |  | 0 PLC ±0.1                             |  | PRODUCT SPEC     |               | 108-2364                                                 |                                                                                                       |           |  |            |  |               |  |
|  |  | 1 PLC ±0.1                             |  | APPLICATION SPEC |               | -                                                        |                                                                                                       |           |  |            |  |               |  |
|                                                                                       |  | 2 PLC ±0.08                            |  | 114-13120        |               | SIZE                                                     |                                                                                                       | CAGE CODE |  | DRAWING NO |  | RESTRICTED TO |  |
|                                                                                       |  | 3 PLC ±0.05                            |  | WEIGHT           |               | A1                                                       |                                                                                                       | 00779C    |  | =2227728   |  | -             |  |
|                                                                                       |  | 4 PLC ±0.05                            |  |                  |               |                                                          |                                                                                                       |           |  |            |  |               |  |
| MATERIAL                                                                              |  | FINISH                                 |  | SEE NOTES        |               |                                                          |                                                                                                       |           |  |            |  |               |  |
| SEE NOTES                                                                             |  |                                        |  |                  |               |                                                          |                                                                                                       |           |  |            |  |               |  |
| Customer Drawing                                                                      |  |                                        |  | SCALE            |               |                                                          |                                                                                                       | 6:1       |  | SHEET      |  | 3 OF 5        |  |
|                                                                                       |  |                                        |  |                  |               |                                                          |                                                                                                       |           |  | REV        |  | B             |  |



|                                                                                                                                              |  |                              |  |                                                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                                                       |  | DWN M.F. COWHER 08FEB2013    |  |  TE Connectivity |  |
| DIMENSIONS:<br><br>mm                                                                                                                        |  | CHK M.D. MORRISON 08FEB2013  |  |                                                                                                       |  |
|                                                                                                                                              |  | APVD M.J. PHILLIPS 08FEB2013 |  |                                                                                                       |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br><br>0 PLC $\pm 0.1$<br>1 PLC $\pm 0.1$<br>2 PLC $\pm 0.08$<br>3 PLC $\pm 0.05$<br>4 PLC $\pm 0.05$ |  | NAME                         |  | CAGE ASSEMBLY WITH EMI SPRINGS, PRESS-FIT, 1X2, zSFP+                                                 |  |
|                                                         |  | PRODUCT SPEC                 |  | RESTRICTED TO                                                                                         |  |
| MATERIAL<br>SEE NOTES                                                                                                                        |  | APPLICATION SPEC             |  | SIZE                                                                                                  |  |
| FINISH<br>SEE NOTES                                                                                                                          |  | 114-13120                    |  | CAGE CODE                                                                                             |  |
|                                                                                                                                              |  | WEIGHT                       |  | DRAWING NO                                                                                            |  |
|                                                                                                                                              |  | -                            |  | A100779                                                                                               |  |
|                                                                                                                                              |  | Customer Drawing             |  | SCALE                                                                                                 |  |
|                                                                                                                                              |  |                              |  | 6:1                                                                                                   |  |
|                                                                                                                                              |  |                              |  | SHEET                                                                                                 |  |
|                                                                                                                                              |  |                              |  | 1 of 5                                                                                                |  |
|                                                                                                                                              |  |                              |  | REV                                                                                                   |  |
|                                                                                                                                              |  |                              |  | A                                                                                                     |  |

| LOC | DIST | REVISIONS |     |             |      |     |
|-----|------|-----------|-----|-------------|------|-----|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN |
| GP  | 00   | -         | -   | SEE SHEET 1 | -    | -   |
|     |      |           |     |             |      |     |
|     |      |           |     |             |      |     |
|     |      |           |     |             |      |     |

16X (Ø0.95)  
Ø0.1M CS  
PLATING REQUIRED



13X (Ø1.05)  
Ø0.1M CS  
PLATING REQUIRED

13X (Ø1.05)  
Ø0.1M CS  
PLATING REQUIRED

RECOMMENDED PCB CONFIGURATION  
WITH KEEP-OUTS FOR BELLY TO BELLY APPLICATIONS  
SAME AS SINGLE SIDE APPLICATION, EXCEPT AS SHOWN  
SCALE 8:1

|                                                                                                                                       |  |                                    |                                                                  |                 |
|---------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|------------------------------------------------------------------|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                                                |  | DWN<br>M.E. CONNER<br>08FEB2013    | TE Connectivity                                                  |                 |
| DIMENSIONS:<br>mm                                                                                                                     |  | CHK<br>M.D. MORRISON<br>08FEB2013  |                                                                  |                 |
|                                                                                                                                       |  | APVD<br>M.J. PHILLIPS<br>08FEB2013 | NAME<br>CAGE ASSEMBLY WITH EMI SPRINGS,<br>PRESS-FIT, 1X2, zSFP+ |                 |
|                                                                                                                                       |  | PRODUCT SPEC<br>108-2364           | SIZE<br>A100779                                                  |                 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±0.1<br>1 PLC ±0.1<br>2 PLC ±0.08<br>3 PLC ±.05<br>4 PLC ±.05<br>ANGLES ±1°<br>FINISH |  | APPLICATION SPEC<br>114-13120      | CAGE CODE<br>C=2227728                                           |                 |
| MATERIAL<br>SEE NOTES                                                                                                                 |  | WEIGHT<br>-                        | RESTRICTED TO<br>-                                               |                 |
|                                                                                                                                       |  | Customer Drawing                   | SCALE<br>8:1                                                     | SHEET<br>5 OF 5 |
|                                                                                                                                       |  |                                    | REV<br>B                                                         |                 |