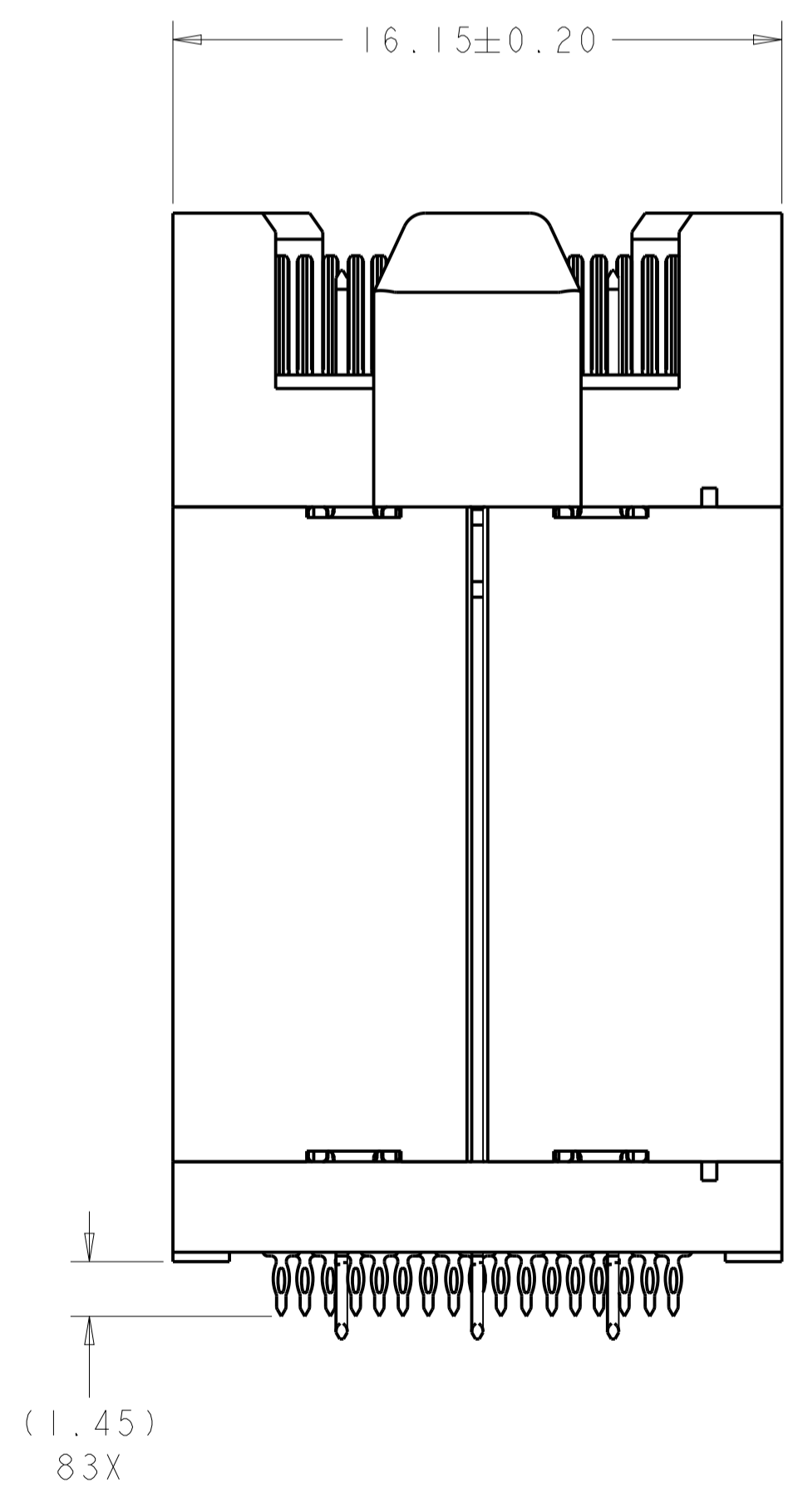
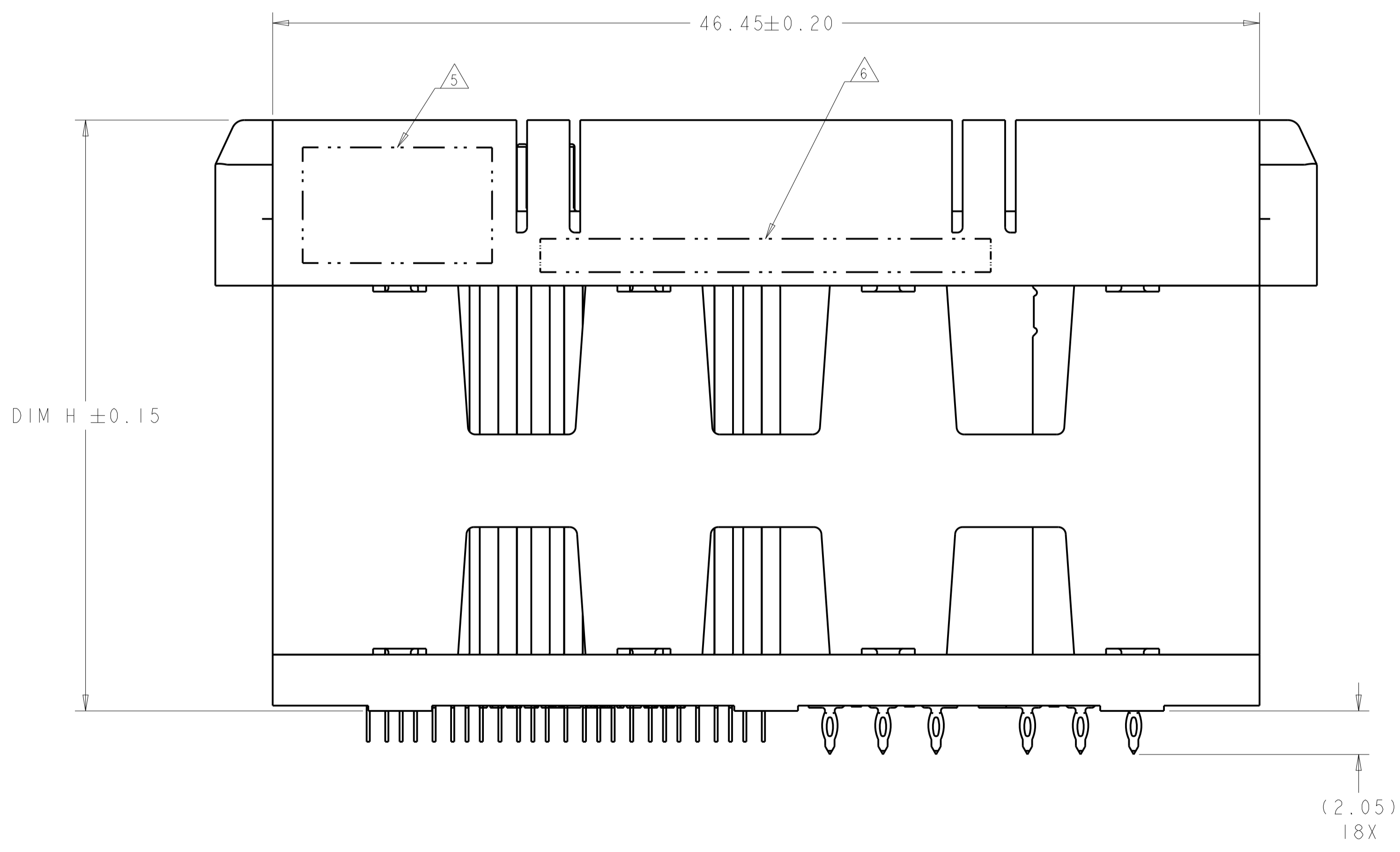
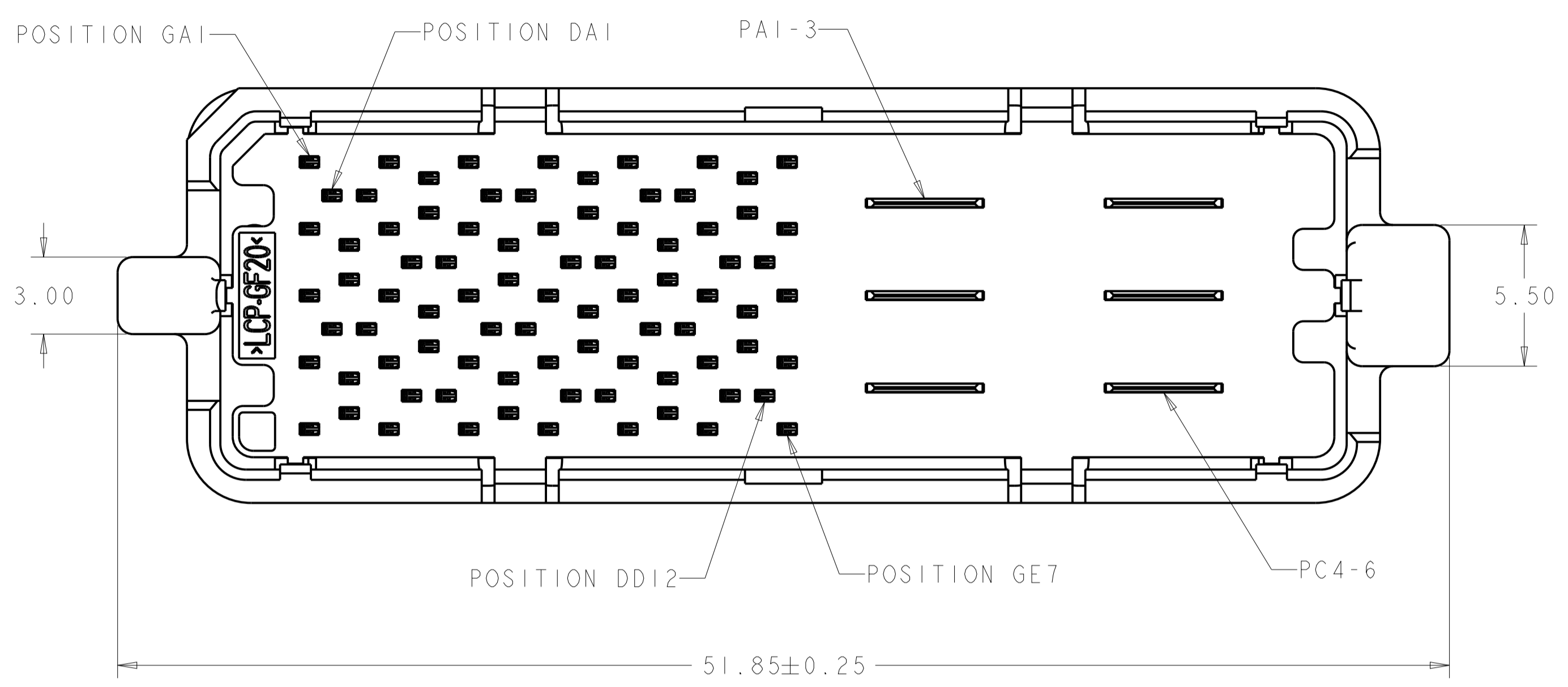


| REVISIONS |     |                           |           |       |
|-----------|-----|---------------------------|-----------|-------|
| P.        | LTN | DESCRIPTION               | DATE      | APVD  |
| A         |     | REVISED PER ECO-14-005178 | 11APR2014 | AP MH |



- ⚠ MATERIAL:  
 BASE HOUSING, UPPER HOUSING, ORGANIZER,  
 AND SPACER: THERMOPLASTIC, FLAMMABILITY  
 RATING UL94 V-0  
 CONTACT: COPPER ALLOY
- 2. CONFORMS TO THE REQUIREMENTS OF TE PRODUCT  
 SPECIFICATION, 108-2375; BASED ON TELCORDIA  
 GR-1217-CORE FOR SYSTEM QUALITY LEVEL III,  
 APPLICATIONS IN CONTROLLED ENVIRONMENTS  
 (CENTRAL OFFICE).  
 SEE TE PRODUCT SPECIFICATION 108-2375 FOR  
 TEST SEQUENCES.
- ⚠ ROWS GA THRU GE (SHOWN DARKENED) ARE TYPICALLY  
 USED AS GROUNDS.
- ⚠ SPECIFIED POSITIONAL TOLERANCE DEFINES HOLE TO  
 HOLE LOCATION WITHIN HOLE PATTERN. POSITIONAL  
 TOLERANCE OF HOLE PATTERN TO FUDICIAL MARKS  
 OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER.
- ⚠ AREA RESERVED FOR TE CONNECTIVITY LOGO.
- ⚠ AREA RESERVED FOR PART NUMBER (X-XXXXXX-X) AND  
 DATE CODE (YYWW).
- ⚠ USE CENTER LINES INDICATED ON PCB HOLE PATTERN  
 TO ESTABLISH ALIGNMENT BETWEEN HEADER AND  
 RECEPTACLE BOARDS.
- ⚠ PLATED THROUGH HOLE REQUIREMENTS - SIGNAL:  
 HOLE SIZE PRIOR TO PLATING =  $\varnothing 0.420 \pm 0.013$   
 COPPER PLATING THICKNESS =  $0.038 \pm 0.013$   
 CALCULATED FINISHED HOLE SIZE =  $\varnothing 0.344 \pm 0.039$   
 THESE DIMENSIONS APPLY TO THE TOP 1.25mm OF  
 THE PCB THICKNESS FROM THE CONNECTOR MOUNTING  
 SIDE.
- ⚠ PLATED THROUGH HOLE REQUIREMENTS - POWER:  
 HOLE SIZE PRIOR TO PLATING =  $\varnothing 0.700 \pm 0.025$   
 COPPER PLATING THICKNESS =  $0.038 \pm 0.013$   
 CALCULATED FINISHED HOLE SIZE =  $\varnothing 0.624 \pm 0.051$   
 THESE DIMENSIONS APPLY TO THE TOP 1.50mm OF  
 THE PCB THICKNESS FROM THE CONNECTOR MOUNTING  
 SIDE.
- ⚠ CONTACT SALES FOR AVAILABILITY OF THIS STACK  
 HEIGHT.
- ⚠ PRELIMINARY PARTS.

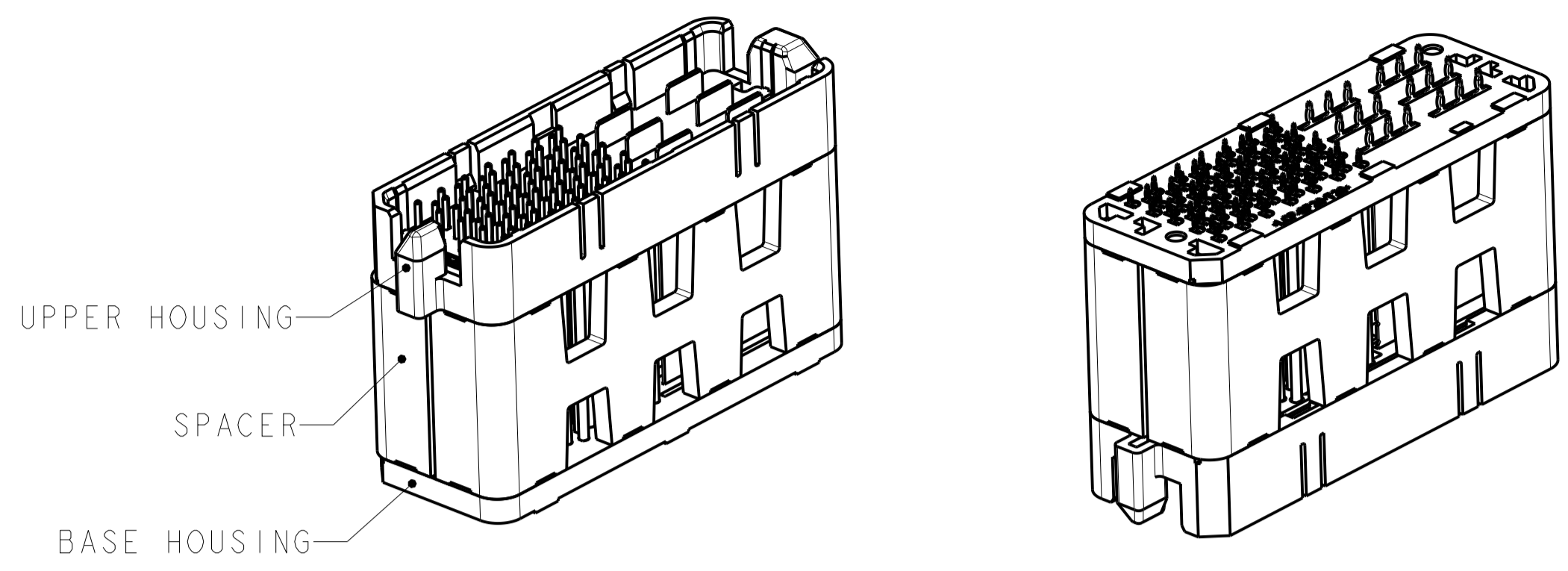
**SIZE 2 HALF WIDE W/GUIDE POSTS \***  
**24 DIFFERENTIAL PAIRS + GROUNDS**  
**83 TOTAL SIGNAL CONTACTS**  
**6 POWER CONTACTS**

\* SIZE 1 AND SIZE 3 ARE ALSO AVAILABLE

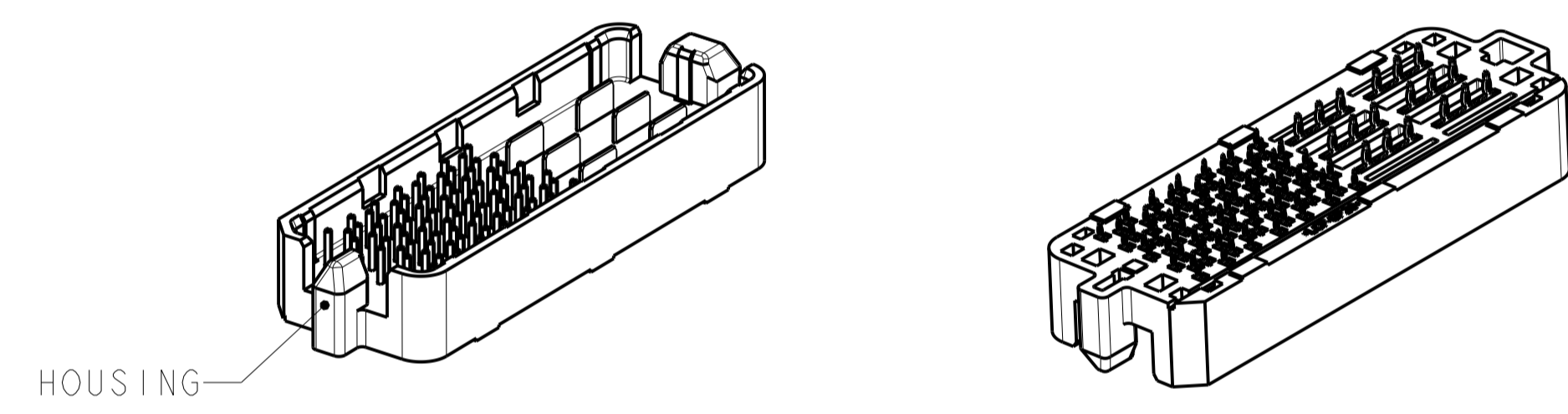
THIS PRODUCT HAS NOT  
 COMPLETED VALIDATION AND  
 QUALIFICATION TESTING

|  |             |                               |   |  |
|--|-------------|-------------------------------|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |             | OWN<br>HAMNER 03JUN2011       | <b>STE</b> TE Connectivity  |  |
| DIMENSIONS:<br>mm                      |             | CHK<br>D. TROUT 07JUN2011     |   |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |             | APVD<br>J. FEEDER 07JUN2011   | NAME<br>HEADER ASSEMBLY,<br>HALF-WIDE, 24/83/6P,<br>STRADA MESA MEZZANINE CONNECTOR |  |
| 0 PLC ±                                | 1 PLC ±0.13 | PRODUCT SPEC<br>108-2375      | SIZE<br>A1  |  |
| 3 PLC ±0.013                           | 4 PLC ±     | APPLICATION SPEC<br>114-13249 | CAGE CODE DRAWING NO<br>00779C=2180760  |  |
| ANGLES ±                               | FINISH ±    | RESTRICTED TO                 | SCALE 6:1 SHEET 1 OF 4 REV A  |  |
| MATERIAL                               |             | WEIGHT                        | Customer Drawing  |  |

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



ISOMETRIC VIEW  
TYPICAL CONFIGURATION FOR 14mm THRU 42mm  
28mm SHOWN  
SCALE 2:1



ISOMETRIC VIEWS  
TYPICAL CONFIGURATION FOR 8mm THRU 13mm  
8mm SHOWN  
SCALE 2:1

|        |       |              |                      |     |             |
|--------|-------|--------------|----------------------|-----|-------------|
| △10    | 41.8  | 42mm         | MATTE Sn             | △11 | 9-2180760-2 |
| △10    | 40.8  | 41mm         | MATTE Sn             | △11 | 9-2180760-1 |
| △10    | 39.8  | 40mm         | MATTE Sn             | △11 | 9-2180760-0 |
| △10    | 38.8  | 39mm         | MATTE Sn             | △11 | 8-2180760-9 |
| △10    | 37.8  | 38mm         | MATTE Sn             | △11 | 8-2180760-8 |
| YES    | 36.8  | 37mm         | MATTE Sn             |     | 8-2180760-7 |
| △10    | 35.8  | 36mm         | MATTE Sn             | △11 | 8-2180760-6 |
| △10    | 34.8  | 35mm         | MATTE Sn             | △11 | 8-2180760-5 |
| △10    | 33.8  | 34mm         | MATTE Sn             | △11 | 8-2180760-4 |
| △10    | 32.8  | 33mm         | MATTE Sn             | △11 | 8-2180760-3 |
| △10    | 31.8  | 32mm         | MATTE Sn             | △11 | 8-2180760-2 |
| △10    | 30.8  | 31mm         | MATTE Sn             | △11 | 8-2180760-1 |
| △10    | 29.8  | 30mm         | MATTE Sn             | △11 | 8-2180760-0 |
| △10    | 28.8  | 29mm         | MATTE Sn             | △11 | 7-2180760-9 |
| △10    | 27.8  | 28mm         | MATTE Sn             | △11 | 7-2180760-8 |
| △10    | 26.8  | 27mm         | MATTE Sn             | △11 | 7-2180760-7 |
| △10    | 25.8  | 26mm         | MATTE Sn             | △11 | 7-2180760-6 |
| △10    | 24.8  | 25mm         | MATTE Sn             | △11 | 7-2180760-5 |
| △10    | 23.8  | 24mm         | MATTE Sn             | △11 | 7-2180760-4 |
| YES    | 22.8  | 23mm         | MATTE Sn             |     | 7-2180760-3 |
| △10    | 21.8  | 22mm         | MATTE Sn             | △11 | 7-2180760-2 |
| △10    | 20.8  | 21mm         | MATTE Sn             | △11 | 7-2180760-1 |
| △10    | 19.8  | 20mm         | MATTE Sn             | △11 | 7-2180760-0 |
| △10    | 18.8  | 19mm         | MATTE Sn             | △11 | 6-2180760-9 |
| △10    | 17.8  | 18mm         | MATTE Sn             | △11 | 6-2180760-8 |
| △10    | 16.8  | 17mm         | MATTE Sn             | △11 | 6-2180760-7 |
| △10    | 15.8  | 16mm         | MATTE Sn             | △11 | 6-2180760-6 |
| △10    | 14.8  | 15mm         | MATTE Sn             | △11 | 6-2180760-5 |
| △10    | 13.8  | 14mm         | MATTE Sn             | △11 | 6-2180760-4 |
| △10    | 12.8  | 13mm         | MATTE Sn             | △11 | 6-2180760-3 |
| △10    | 11.8  | 12mm         | MATTE Sn             | △11 | 6-2180760-2 |
| △10    | 10.8  | 11mm         | MATTE Sn             | △11 | 6-2180760-1 |
| △10    | 9.8   | 10mm         | MATTE Sn             | △11 | 6-2180760-0 |
| △10    | 8.8   | 9mm          | MATTE Sn             | △11 | 5-2180760-9 |
| △10    | 7.8   | 8mm          | MATTE Sn             | △11 | 5-2180760-8 |
| TOOLED | DIM H | STACK HEIGHT | CONTACT TAIL PLATING |     | PART NUMBER |

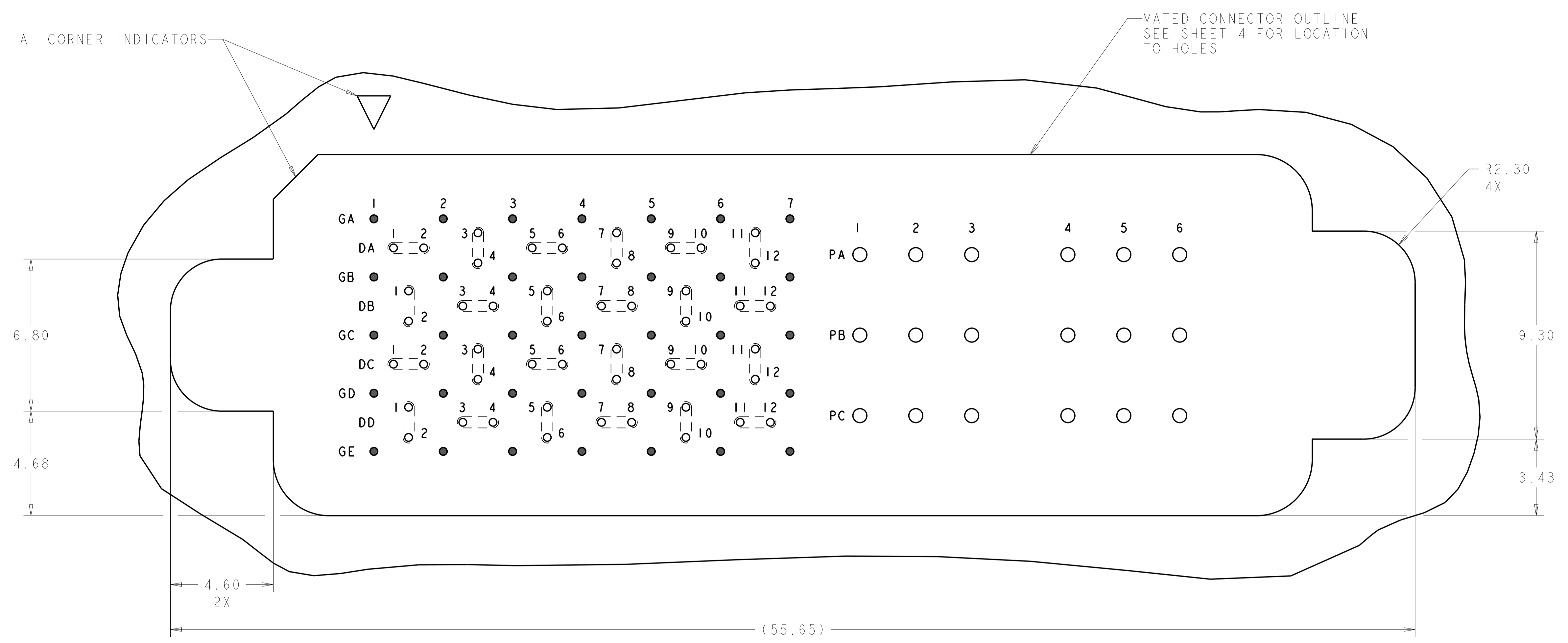
|        |       |              |                      |     |             |
|--------|-------|--------------|----------------------|-----|-------------|
| △10    | 41.8  | 42mm         | Sn/Pb                | △11 | 4-2180760-2 |
| △10    | 40.8  | 41mm         | Sn/Pb                | △11 | 4-2180760-1 |
| △10    | 39.8  | 40mm         | Sn/Pb                | △11 | 4-2180760-0 |
| △10    | 38.8  | 39mm         | Sn/Pb                | △11 | 3-2180760-9 |
| △10    | 37.8  | 38mm         | Sn/Pb                | △11 | 3-2180760-8 |
| YES    | 36.8  | 37mm         | Sn/Pb                |     | 3-2180760-7 |
| △10    | 35.8  | 36mm         | Sn/Pb                | △11 | 3-2180760-6 |
| △10    | 34.8  | 35mm         | Sn/Pb                | △11 | 3-2180760-5 |
| △10    | 33.8  | 34mm         | Sn/Pb                | △11 | 3-2180760-4 |
| △10    | 32.8  | 33mm         | Sn/Pb                | △11 | 3-2180760-3 |
| △10    | 31.8  | 32mm         | Sn/Pb                | △11 | 3-2180760-2 |
| △10    | 30.8  | 31mm         | Sn/Pb                | △11 | 3-2180760-1 |
| △10    | 29.8  | 30mm         | Sn/Pb                | △11 | 3-2180760-0 |
| △10    | 28.8  | 29mm         | Sn/Pb                | △11 | 2-2180760-9 |
| △10    | 27.8  | 28mm         | Sn/Pb                | △11 | 2-2180760-8 |
| △10    | 26.8  | 27mm         | Sn/Pb                | △11 | 2-2180760-7 |
| △10    | 25.8  | 26mm         | Sn/Pb                | △11 | 2-2180760-6 |
| △10    | 24.8  | 25mm         | Sn/Pb                | △11 | 2-2180760-5 |
| △10    | 23.8  | 24mm         | Sn/Pb                | △11 | 2-2180760-4 |
| YES    | 22.8  | 23mm         | Sn/Pb                |     | 2-2180760-3 |
| △10    | 21.8  | 22mm         | Sn/Pb                | △11 | 2-2180760-2 |
| △10    | 20.8  | 21mm         | Sn/Pb                | △11 | 2-2180760-1 |
| △10    | 19.8  | 20mm         | Sn/Pb                | △11 | 2-2180760-0 |
| △10    | 18.8  | 19mm         | Sn/Pb                | △11 | 1-2180760-9 |
| △10    | 17.8  | 18mm         | Sn/Pb                | △11 | 1-2180760-8 |
| △10    | 16.8  | 17mm         | Sn/Pb                | △11 | 1-2180760-7 |
| △10    | 15.8  | 16mm         | Sn/Pb                | △11 | 1-2180760-6 |
| △10    | 14.8  | 15mm         | Sn/Pb                | △11 | 1-2180760-5 |
| △10    | 13.8  | 14mm         | Sn/Pb                | △11 | 1-2180760-4 |
| △10    | 12.8  | 13mm         | Sn/Pb                | △11 | 1-2180760-3 |
| △10    | 11.8  | 12mm         | Sn/Pb                | △11 | 1-2180760-2 |
| △10    | 10.8  | 11mm         | Sn/Pb                | △11 | 1-2180760-1 |
| △10    | 9.8   | 10mm         | Sn/Pb                | △11 | 1-2180760-0 |
| △10    | 8.8   | 9mm          | Sn/Pb                | △11 | 2180760-9   |
| △10    | 7.8   | 8mm          | Sn/Pb                | △11 | 2180760-8   |
| TOOLED | DIM H | STACK HEIGHT | CONTACT TAIL PLATING |     | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONS: mm. TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±, 1 PLC ±.013, 2 PLC ±.013, 3 PLC ±.013, 4 PLC ±.013, ANGLES ±. MATERIAL: FINISH: WEIGHT: CUSTOMER DRAWING.

CHK: HAMNER 03JUN2011, D. TROUT 07JUN2011, APPD: FEDDER 07JUN2011. NAME: HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR. SIZE: CAGE CODE DRAWING NO: A100779, DRAWING NO: C=2180760. SCALE: 6:1, SHEET 2 OF 4, REV A.

STE TE Connectivity

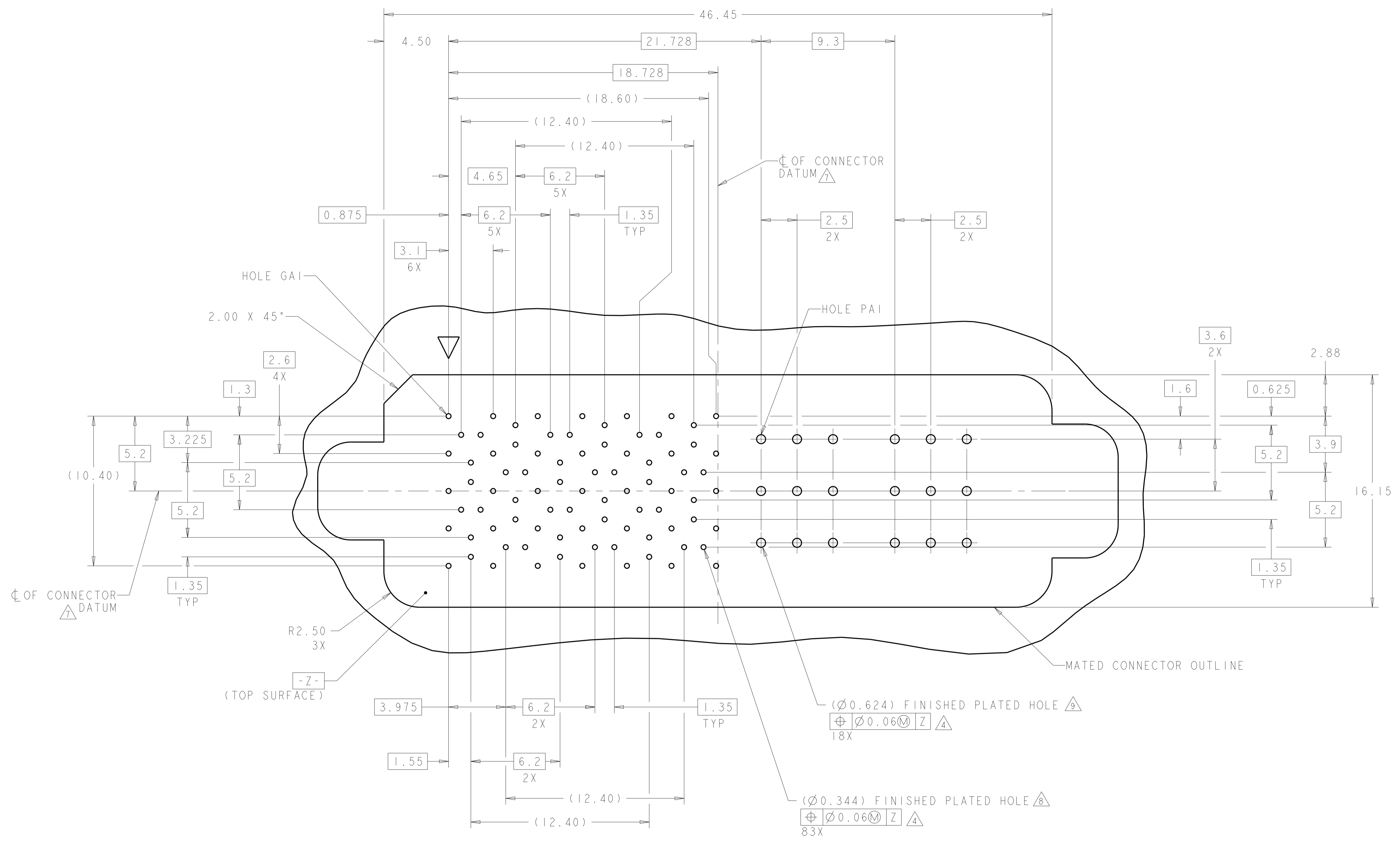
| REVISIONS |     |             |      |      |
|-----------|-----|-------------|------|------|
| P.        | LTN | DESCRIPTION | DATE | APVD |
| -         | -   | SEE SHEET 1 | -    | -    |
|           |     |             |      |      |
|           |     |             |      |      |



**PCB LAYOUT AND PIN IDENTIFICATION**   
 SHOWN FROM CONNECTOR SIDE  
 SCALE 9:1

|  |        |                               |   |
|--|--------|-------------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |        | OWN<br>HAMNER 03JUN2011       | TE Connectivity   |
| DIMENSIONS:<br>mm  |        | CHK<br>D. TROUT 07JUN2011     |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>2 PLC ±0.13<br>3 PLC ±0.013<br>4 PLC ±<br>ANGLES ±1 |        | APVD<br>E. FEEDER 07JUN2011   | NAME<br>HEADER ASSEMBLY,<br>HALF-WIDE, 24/83/6P,<br>STRADA MESA MEZZANINE CONNECTOR |
| MATERIAL   | FINISH | PRODUCT SPEC<br>108-2375      | SIZE<br>A1  |
|  |        | APPLICATION SPEC<br>114-13249 | CAGE CODE<br>C=2180760  |
|  |        | WEIGHT                        | RESTRICTED TO   |
|  |        | Customer Drawing              | SCALE 6:1 SHEET 3 OF 4 REV A  |

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



**PCB HOLE PATTERN**  
 SHOWN FROM CONNECTOR SIDE  
 SCALE 7:1

|   |  |                             |   |
|---|--|-----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                    |  | OWN: HAMNER 03JUN2011       | TE Connectivity   |
| DIMENSIONS: mm  |  | CHK: D. TROUT 07JUN2011     |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                    |  | APPV: FEEDER 07JUN2011      | NAME: HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR |
| 0 PLC ±<br>1 PLC ±0.13<br>2 PLC ±0.013<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1 |  | PRODUCT SPEC: 108-2375      | SIZE: A1  |
| MATERIAL: -   |  | APPLICATION SPEC: 114-13249 | CAGE CODE: 2180760  |
| FINISH: -   |  | WEIGHT: -                   | SCALE: 6:1  |
| Customer Drawing  |  | Customer Drawing            | SHEET 4 OF 4 REV A  |

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