

| REVISIONS |     |               |           |     |      |
|-----------|-----|---------------|-----------|-----|------|
| P         | LTR | DESCRIPTION   | DATE      | DWN | APVD |
|           | A1  | ECR-16-006244 | 11MAY2016 | TZ  | SZ   |
|           |     |               |           |     |      |
|           |     |               |           |     |      |
|           |     |               |           |     |      |

NOTES,UNLESS OTHERWISE SPECIFIED:

1"TE",PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN.

2MATERIAL:

HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC,  
COLOR: BLACK, UL94 V- 0.

SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.

POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.

3CONTACT PLATING:

MATING AREA - NOBLE METAL OVERALL NICKEL

TAIL SIDE AREA - MATTE TIN OVERALL NICKEL.

4.MECHANICAL CONNECTOR KEEP OUT ZONE.

5DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

6PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.

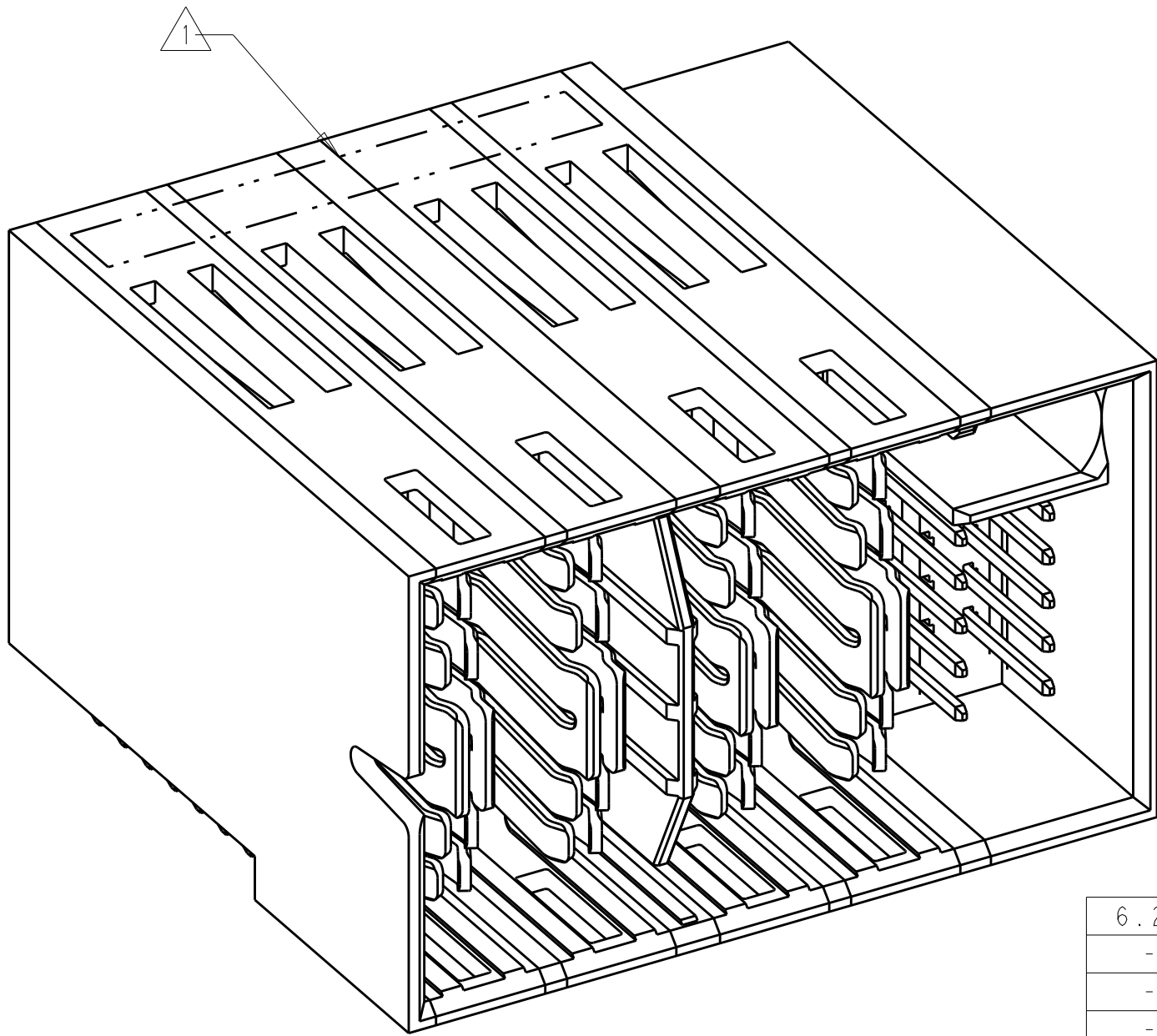
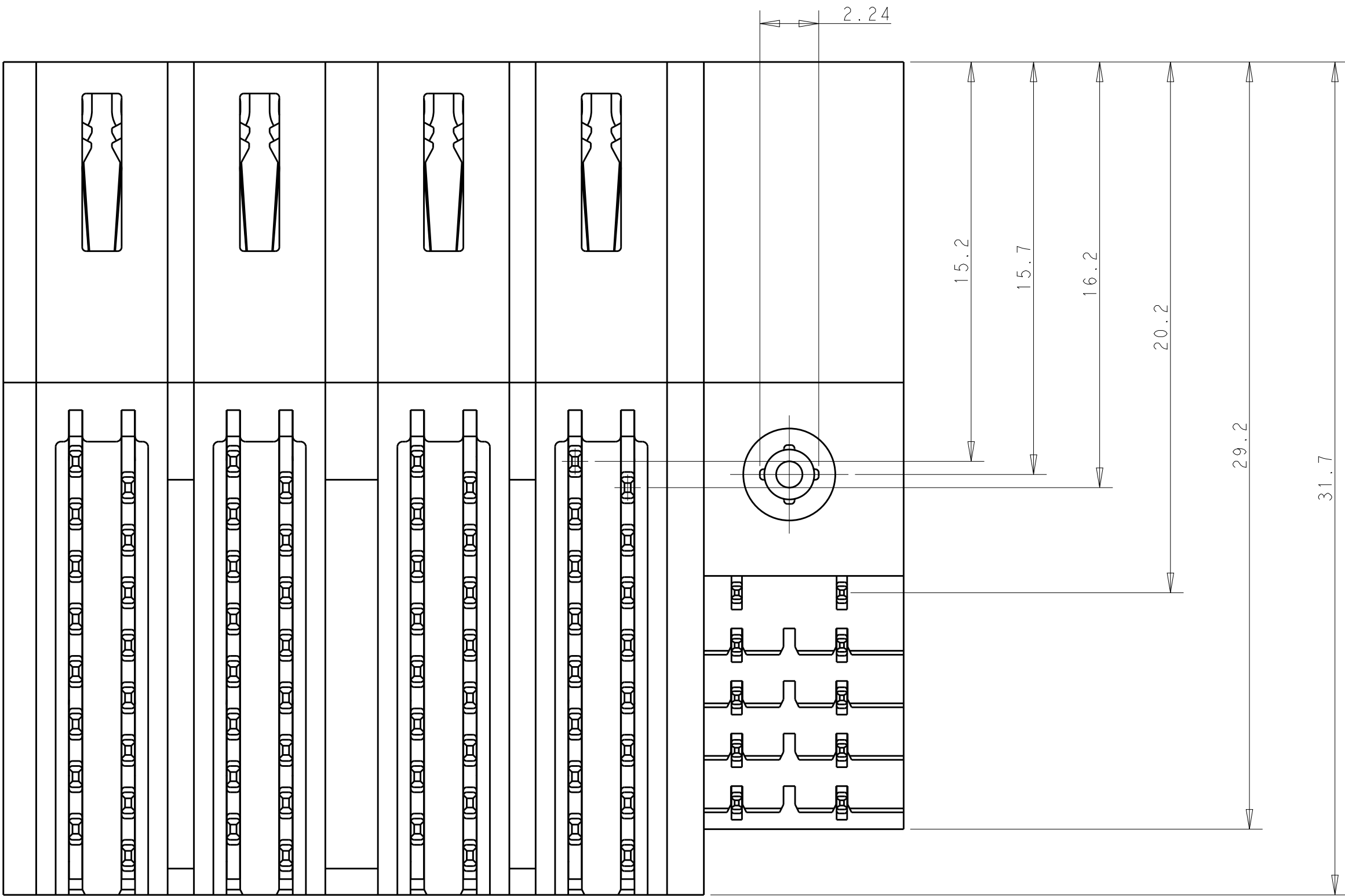
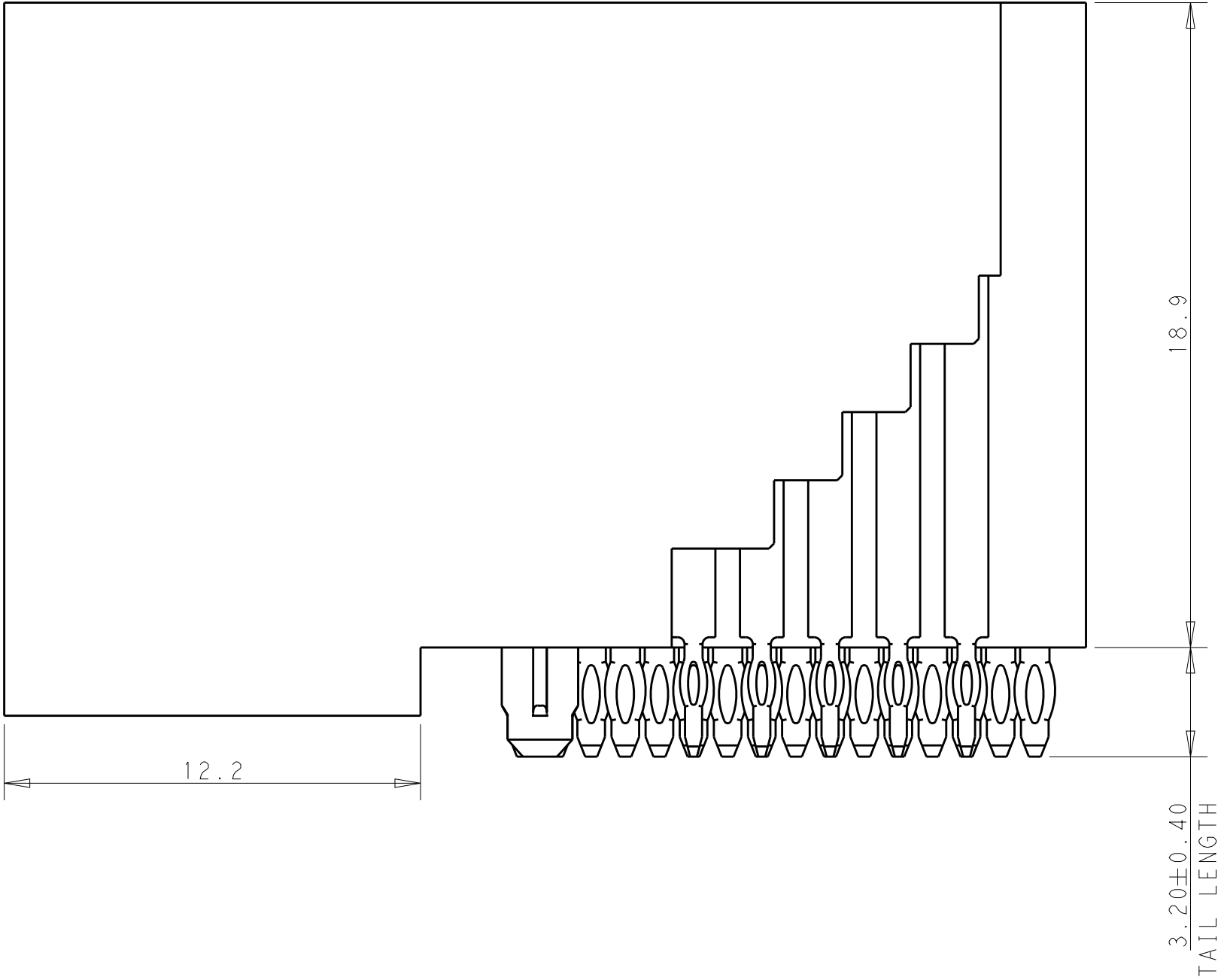
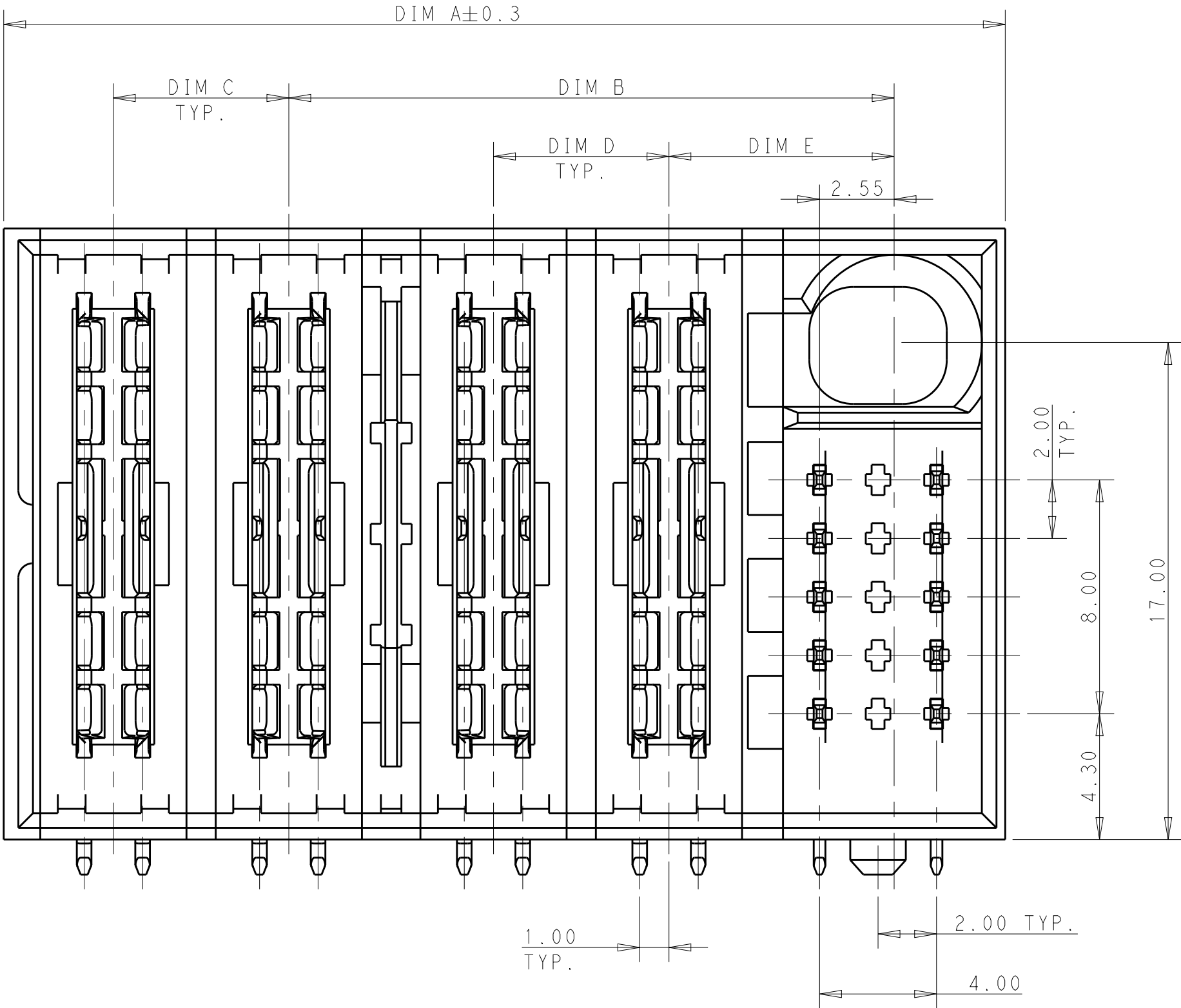
7PCB HOLE:

POWER - 1.15±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN.

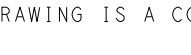
Sn OVER 0.025~0.076 MM Cu PLATING TO ACHIEVE A 1.02 MM DIA. HOLE.

SIGNAL - 0.835±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN.

Sn OVER 0.025~0.076 MM Cu PLATING TO ACHIEVE A 0.72 MM DIA. HOLE.

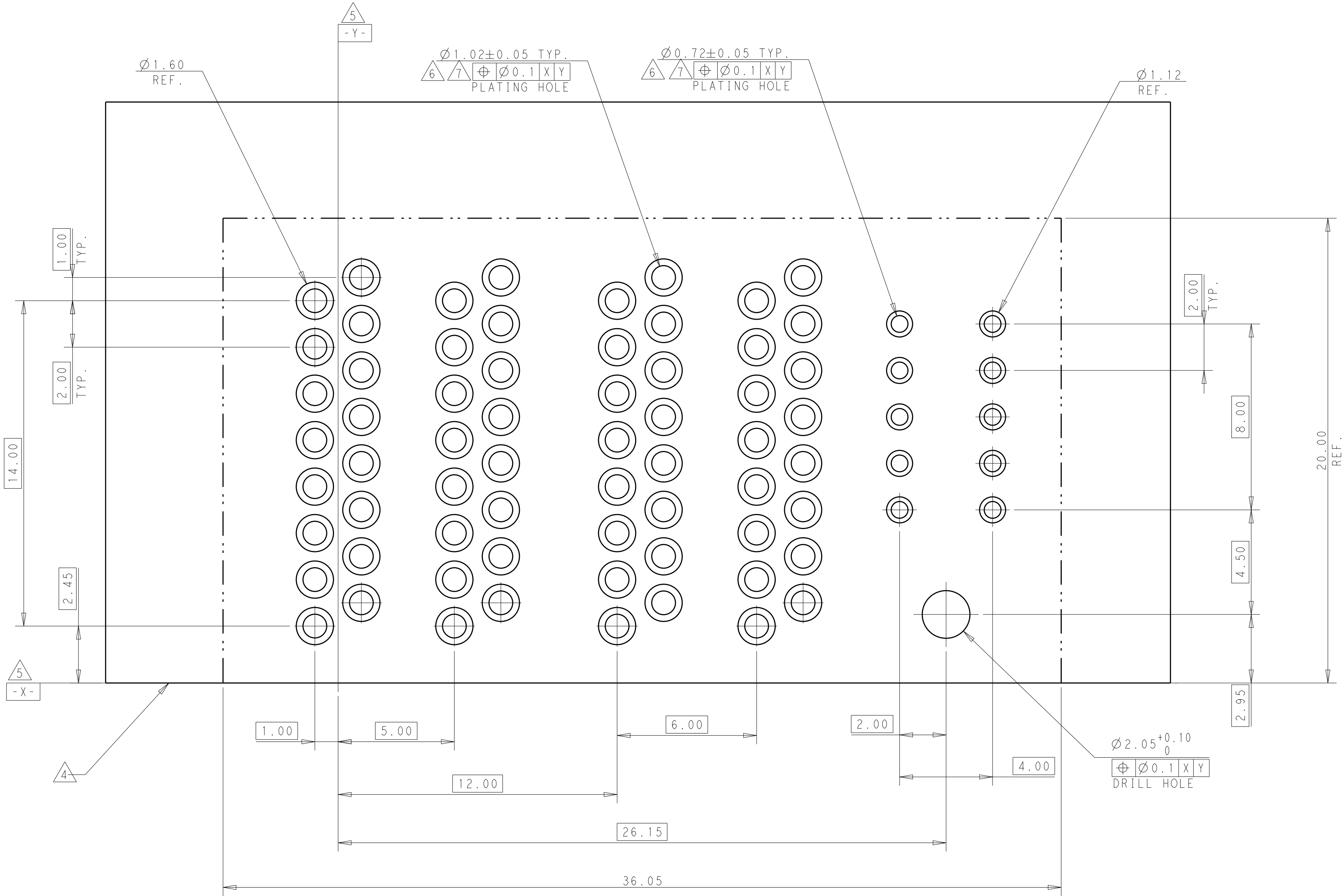


|        |        |        |        |        |        |                    |             |
|--------|--------|--------|--------|--------|--------|--------------------|-------------|
| 6.20   | 10.70  | 6.00   | -      | -      | 36.25  | 4VP+20S            | 2204446-8   |
| -      | 7.70   | 5.00   | -      | -      | 30.25  | 4P+15S             | 2204446-7   |
| -      | 7.70   | 5.00   | -      | -      | 67.25  | 10S+1P+2P+2P+2P+2P | 2204446-6   |
| -      | 7.70   | 6.00   | 6.00   | 32.70  | 58.25  | 4VP++4VP+15S       | 2204446-4   |
| -      | 7.70   | 5.00   | -      | -      | 20.25  | 2P+15S             | 2204446-3   |
| -      | 7.70   | 6.00   | 6.00   | 32.70  | 58.25  | 15S+4VP+4VP        | 2204446-2   |
| -      | 7.70   | 6.00   | 6.00   | 20.70  | 34.25  | 2VP+2VP+10S        | 2204446-1   |
| DIM F. | DIM E. | DIM D. | DIM C. | DIM B. | DIM A. | DESCRIPTION        | PART NUMBER |

|                                                                                       |  |  |  |                           |  |                                                                                                                 |  |     |  |       |  |           |  |            |  |               |  |
|---------------------------------------------------------------------------------------|--|--|--|---------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|-----|--|-------|--|-----------|--|------------|--|---------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  |  |  | DWN THOMAS ZHAO 17NOV2014 |  | <div>TE Connectivity</div> |  |     |  |       |  |           |  |            |  |               |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  |  |  | CHK SUNY ZHAO 17NOV2014   |  |                                                                                                                 |  |     |  |       |  |           |  |            |  |               |  |
| DIMENSIONS:                                                                           |  |  |  | APVD SUNY ZHAO 17NOV2014  |  |                                                                                                                 |  |     |  |       |  |           |  |            |  |               |  |
| mm                                                                                    |  |  |  | PRODUCT SPEC              |  |                                                                                                                 |  |     |  |       |  |           |  |            |  |               |  |
|  |  |  |  | NAME CUSTOMER DRAWING     |  | R/A PLUG WITH SINGAL GIDE<br>MULTI-BEAM HD                                                                      |  |     |  |       |  |           |  |            |  |               |  |
| MATERIAL                                                                              |  |  |  | APPLICATION SPEC          |  |                                                                                                                 |  |     |  |       |  |           |  |            |  |               |  |
| - 2                                                                                   |  |  |  | WEIGHT                    |  |                                                                                                                 |  |     |  | SIZE  |  | CAGE CODE |  | DRAWING NO |  | RESTRICTED TO |  |
| - 3                                                                                   |  |  |  | -                         |  |                                                                                                                 |  |     |  | A1    |  | -         |  | C=2204446  |  | -             |  |
| CUSTOMER DRAWING                                                                      |  |  |  |                           |  | SCALE                                                                                                           |  | 6:1 |  | SHEET |  | 1 OF 5    |  | REV A      |  |               |  |

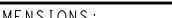


| REVISIONS |      |             |      |      |       |
|-----------|------|-------------|------|------|-------|
| P.        | LTR. | DESCRIPTION | DATE | DWN. | APVD. |
| -         | -    | SEE SHEET 1 | -    | -    | -     |
|           |      |             |      |      |       |
|           |  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

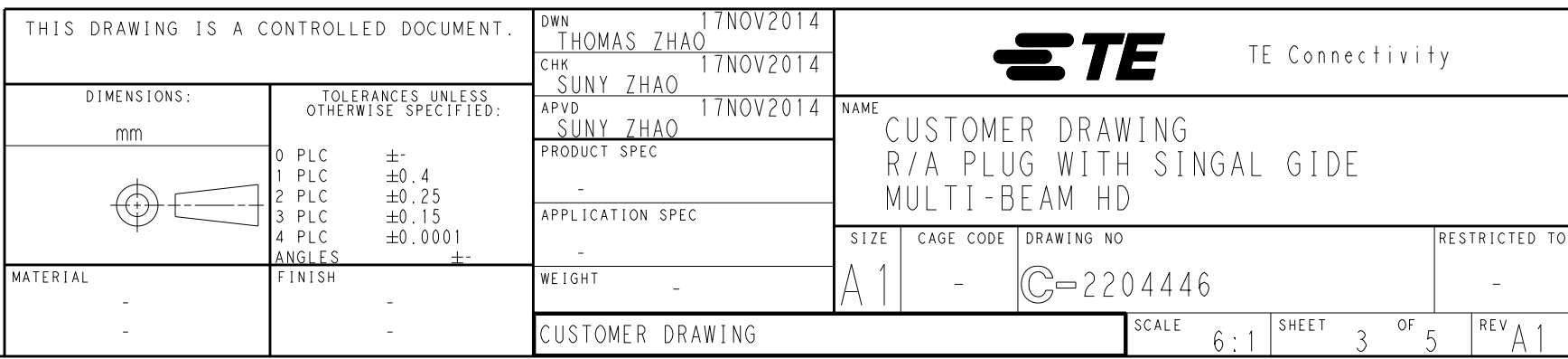
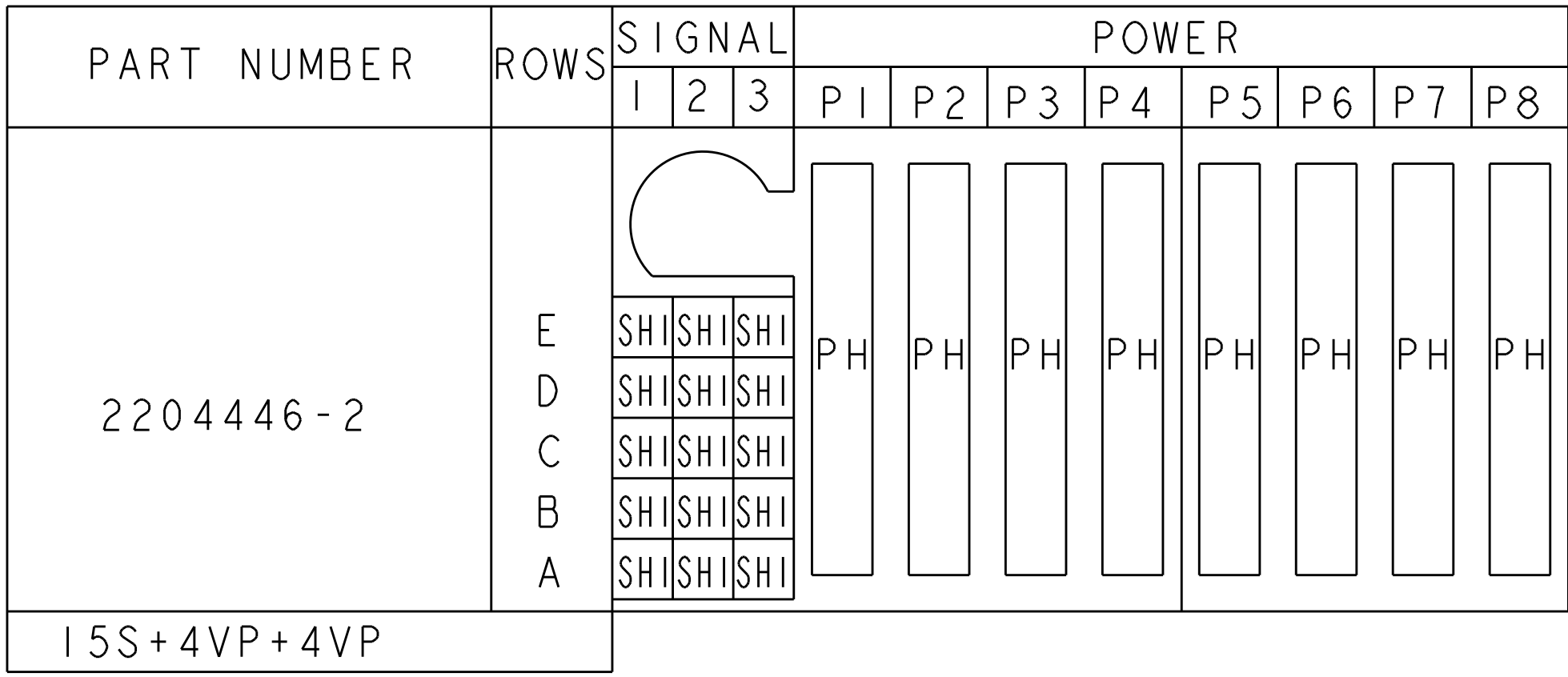


| PART NUMBER | POWER |     |     |     | SIGNAL |  |     | ROWS                  |
|-------------|-------|-----|-----|-----|--------|--|-----|-----------------------|
|             | P 1   | P 2 | P 3 | P 4 | I      |  | 2   |                       |
| 2204446 - 1 | PH    | PH  | PH  | PH  |        |  |     | E<br>D<br>C<br>B<br>A |
|             |       |     |     |     | SHI    |  | SHI |                       |
|             |       |     |     |     | SHI    |  | SHI |                       |
|             |       |     |     |     | SHI    |  | SHI |                       |
|             |       |     |     |     | SHI    |  | SHI |                       |
|             |       |     |     |     | SHI    |  | SHI |                       |
| 2VP+2VP+10S |       |     |     |     |        |  |     |                       |

|                                   |         |
|-----------------------------------|---------|
| POWER CONTACT PRESS FIT           | PH      |
| SIGNAL CONTACT STANDARD PRESS FIT | SH1     |
| SIGNAL CONTACT MLBF PRESS FIT     | SH2     |
| SIGNAL CONTACT SPECIAL PRESS FIT  | SH3     |
| HP/SIGNAL WITH SINGAL GUIDE       | HOUSING |
| DESCRIPTION                       | CODE    |

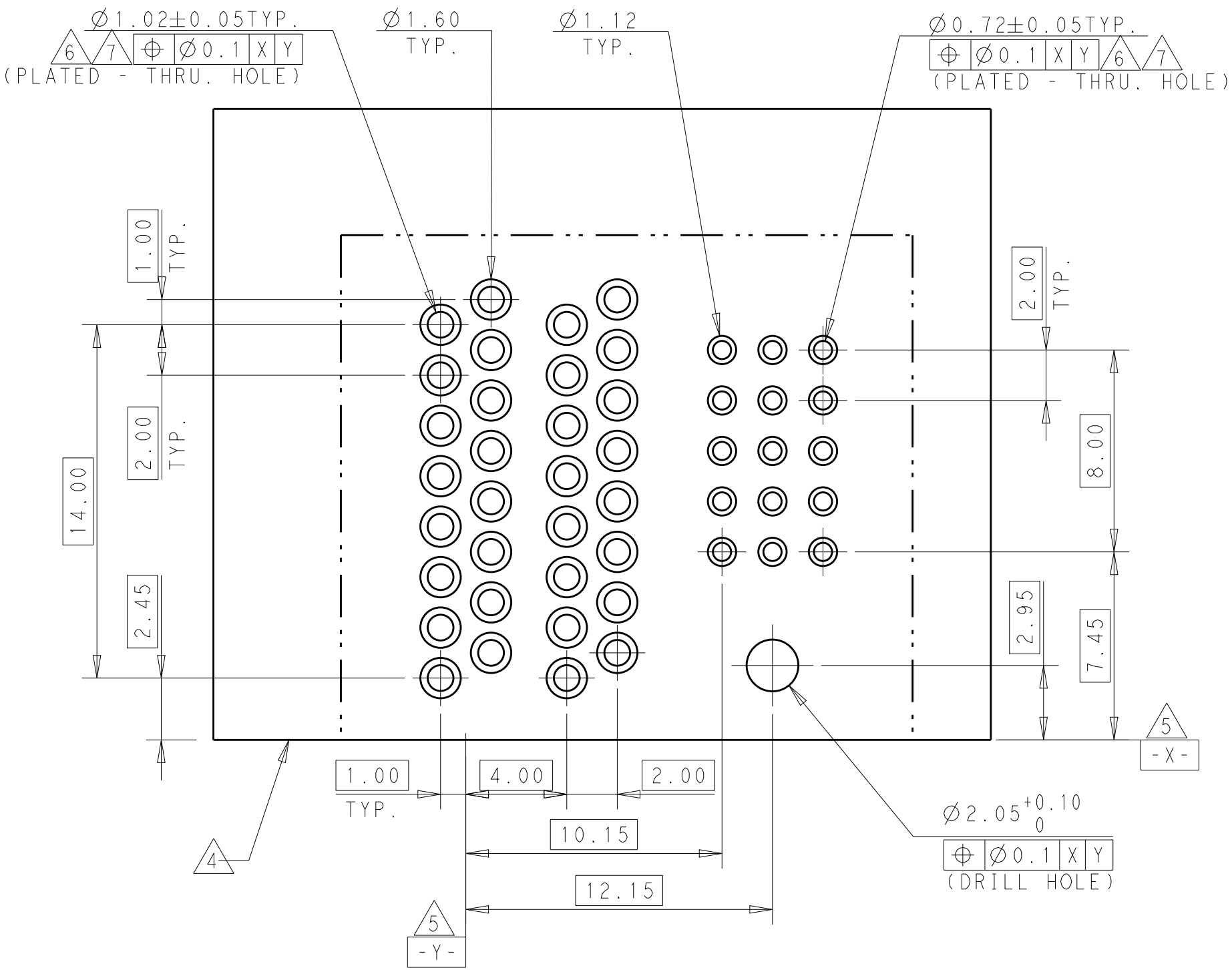
|                                        |                                                                                       |                                                                                       |                                  |                                                                                                       |                                                                |           |              |            |
|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------|--------------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                       | DWN THOMAS ZHAO 17NOV2014                                                             |                                  |  TE Connectivity |                                                                |           |              |            |
|                                        |                                                                                       | CHK SUNY ZHAO 17NOV2014                                                               |                                  |                                                                                                       |                                                                |           |              |            |
| DIMENSIONS:                            |                                                                                       | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |                                  | NAME                                                                                                  | CUSTOMER DRAWING<br>R/A PLUS WITH SINGAL GIDE<br>MULTI-BEAM HD |           |              |            |
| mm                                     |  | 0 PLC ±0.4<br>1 PLC ±0.25<br>2 PLC ±0.15<br>4 PLC ±0.0001<br>ANGLES ±0.0001<br>FINISH | PRODUCT SPEC<br>APPLICATION SPEC |                                                                                                       |                                                                | SIZE      | CAGE CODE    | DRAWING NO |
| MATERIAL                               |  | -                                                                                     | WEIGHT                           | A1                                                                                                    | -                                                              | C=2204446 | -            |            |
|                                        |                                                                                       | -                                                                                     | CUSTOMER DRAWING                 | SCALE                                                                                                 |                                                                | 6:1       | SHEET 2 OF 5 | REV A      |



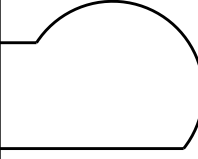


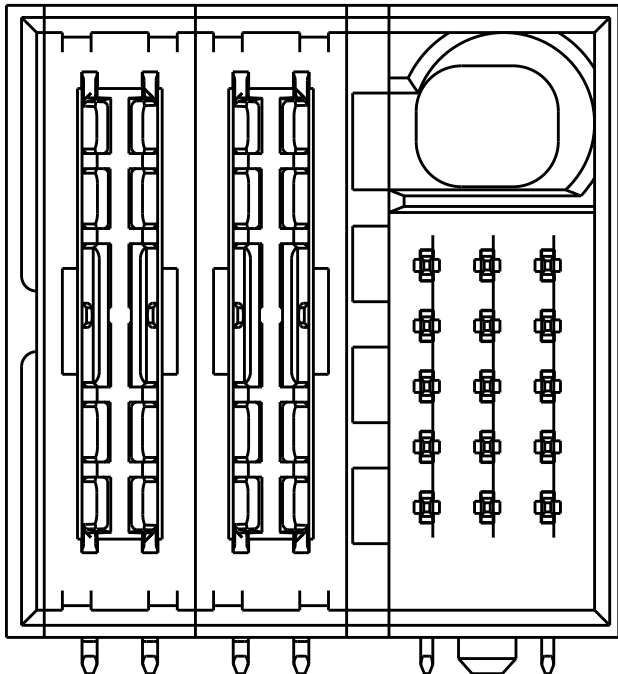


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|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |            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

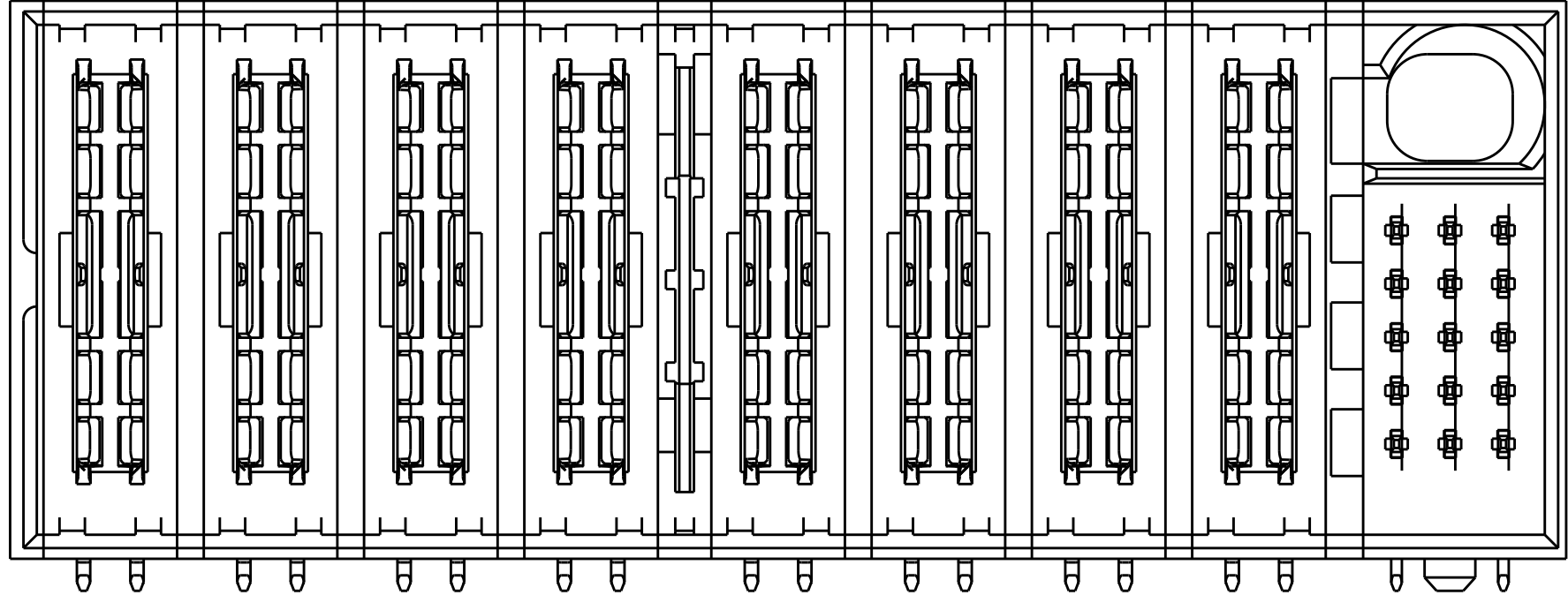


LAYOUT FOR P/N:2204446-3

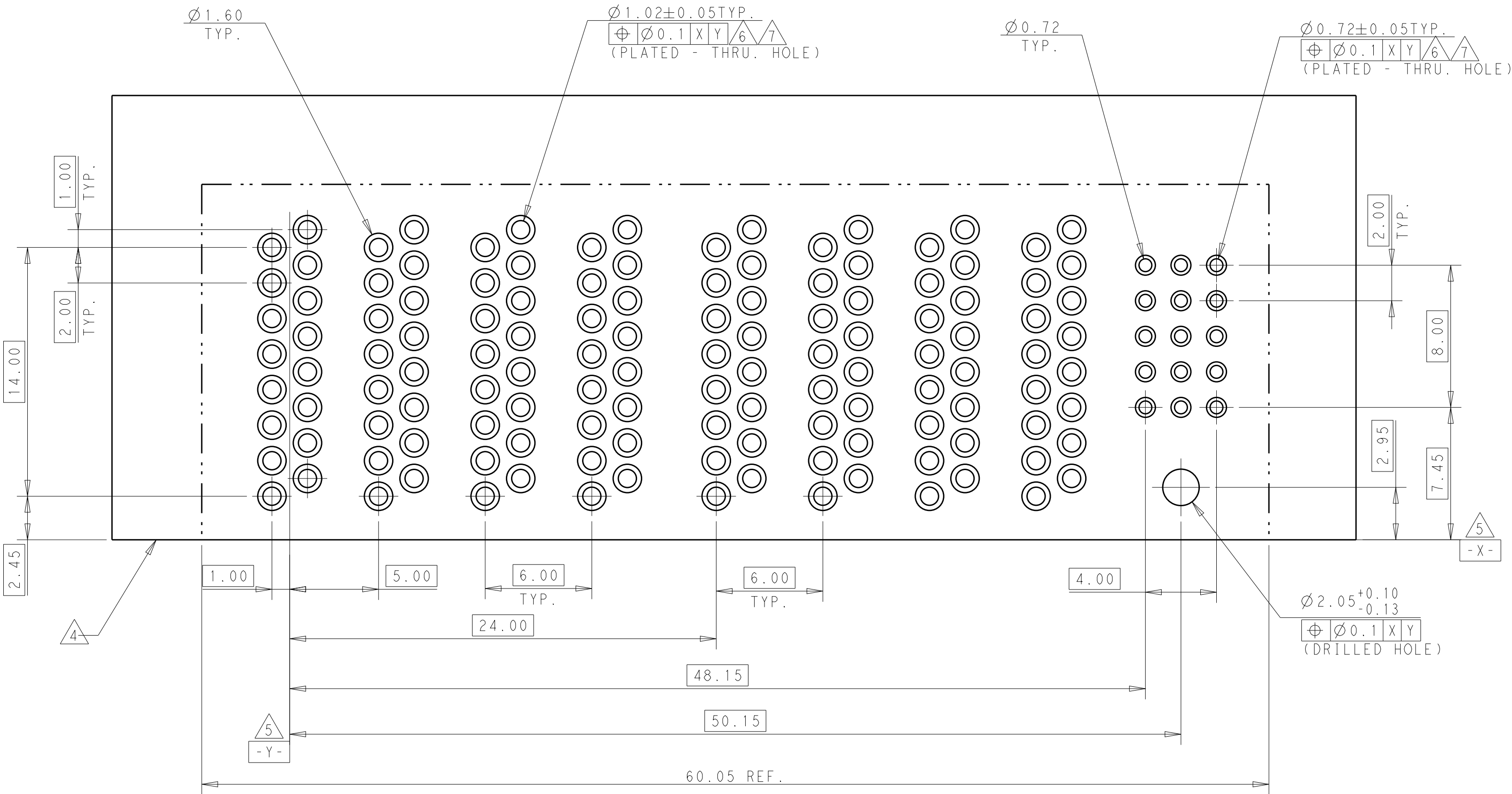
| PART NUMBER | POWER |    | SIGNAL                                                                              |    |    | ROWS                  |
|-------------|-------|----|-------------------------------------------------------------------------------------|----|----|-----------------------|
|             | P1    | P2 | 1                                                                                   | 2  | 3  |                       |
| 2204446-3   | PH    | PH |  |    |    | E<br>D<br>C<br>B<br>A |
|             |       |    | SH                                                                                  | SH | SH |                       |
|             |       |    | SH                                                                                  | SH | SH |                       |
|             |       |    | SH                                                                                  | SH | SH |                       |
|             |       |    | SH                                                                                  | SH | SH |                       |
|             |       |    | SH                                                                                  | SH | SH |                       |
|             |       |    | SH                                                                                  | SH | SH |                       |
| 2P+15S      |       |    |                                                                                     |    |    |                       |

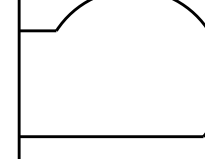


P/N:2204446-3



P/N:2204446-4



| PART NUMBER | POWER |    |    |    |    |    |    |    | SIGNAL                                                                                |   |   | ROWS                  |
|-------------|-------|----|----|----|----|----|----|----|---------------------------------------------------------------------------------------|---|---|-----------------------|
|             | P1    | P2 | P3 | P4 | P5 | P6 | P7 | P8 | 1                                                                                     | 2 | 3 |                       |
| 2204446 - 4 | PH    | PH | PH | PH | PH | PH | PH | PH |  |   |   | E<br>D<br>C<br>B<br>A |
|             |       |    |    |    |    |    |    |    |                                                                                       |   |   |                       |
|             |       |    |    |    |    |    |    |    |                                                                                       |   |   |                       |
|             |       |    |    |    |    |    |    |    |                                                                                       |   |   |                       |
|             |       |    |    |    |    |    |    |    |                                                                                       |   |   |                       |
| 4VP+4VP+15S |       |    |    |    |    |    |    |    |                                                                                       |   |   |                       |



