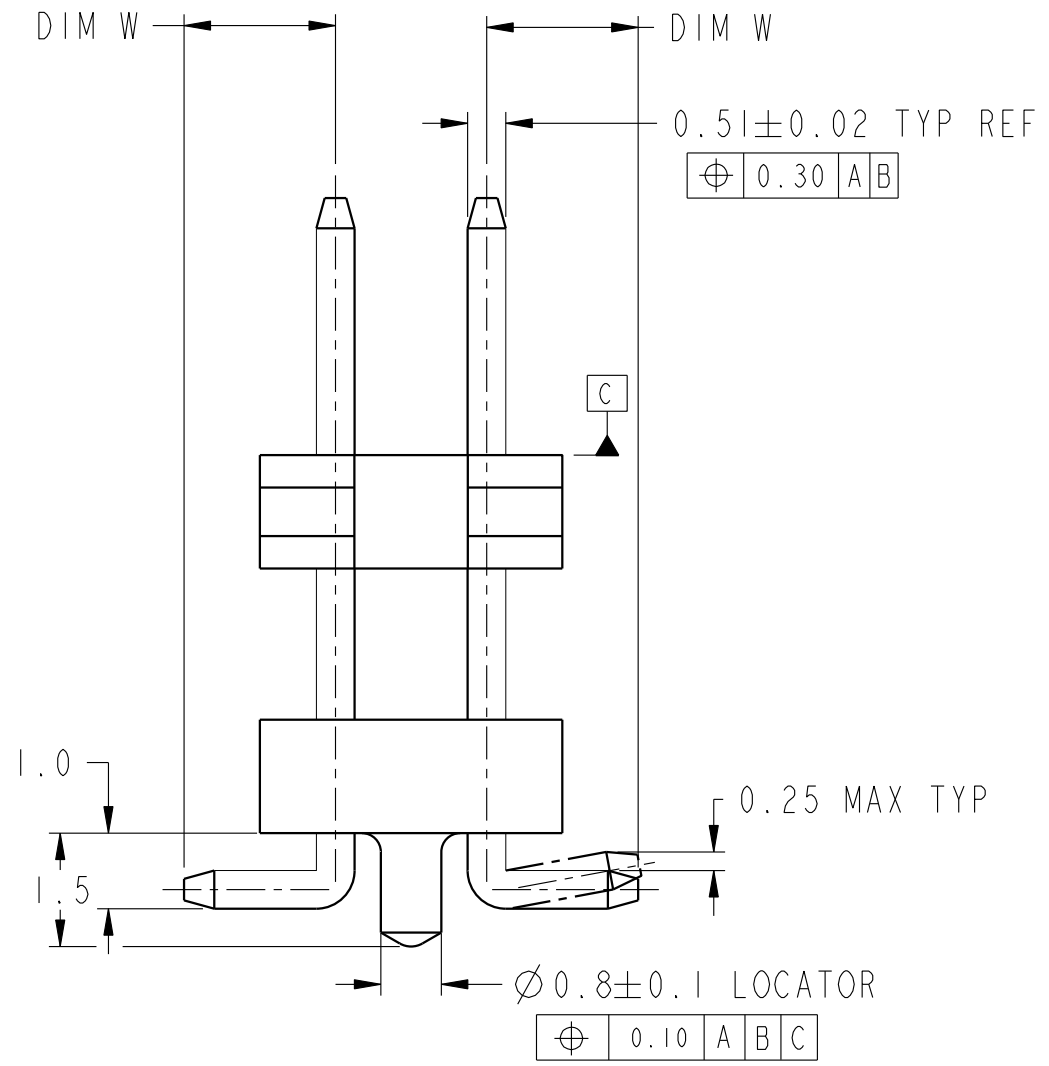
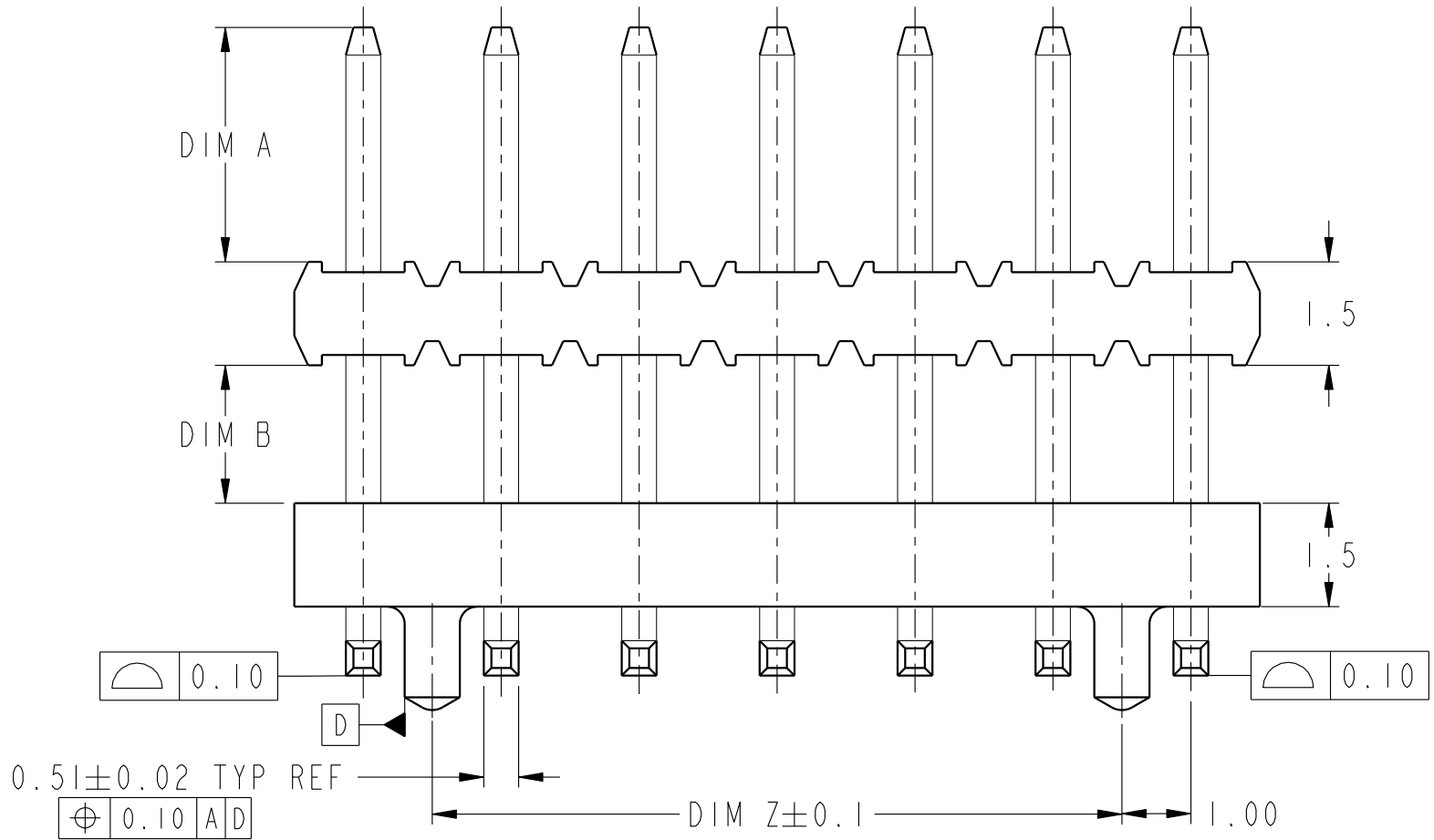
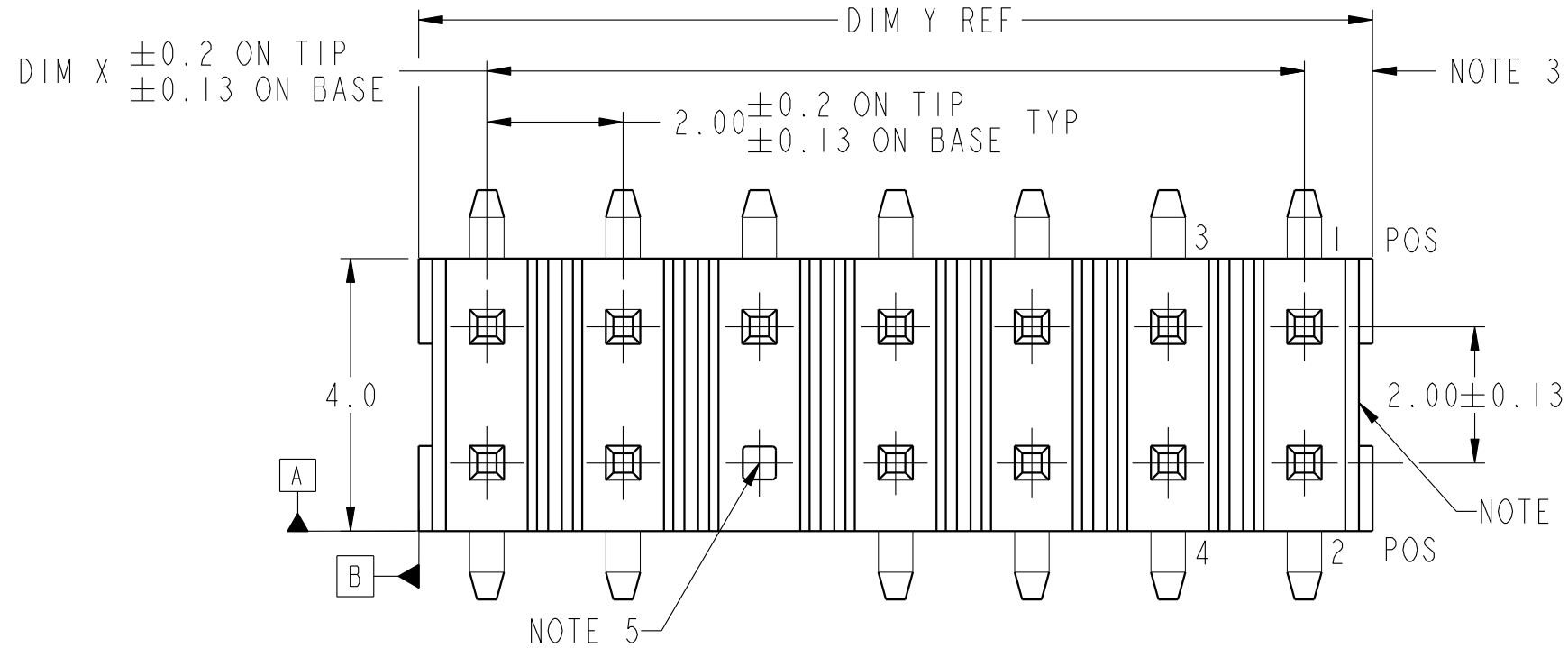




|                                       |                     |              |                |                |                |                          |        |                        |           |              |
|---------------------------------------|---------------------|--------------|----------------|----------------|----------------|--------------------------|--------|------------------------|-----------|--------------|
| spec ref                              | -                   | dr           | wcadmin, wcadm | 2010/11/01     | projection     | MM                       | size   | A3                     | scale     | 10:1         |
| tolerance std                         | ISO 406<br>ISO 1101 | eng          | Mike Zhou      | 2024/12/19     | chr            | -                        | ecn no | ELX-N-53706-1          | rel level | Released     |
| surface                               | ISO 1302            | appr         | Tim Yao        | 2024/12/20     | product family | MINITEK                  | dwg no | 92813                  | rev       | BD           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |                     | Amphenol FCI |                | MINITEK II R/R |                | SMT STR HDR WITH LOCATOR |        | Product - Customer Drw |           | sheet 1 of 4 |
| linear                                |                     | 0.X          |                | $\pm -$        |                | 0.XX                     |        | $\pm 0.25$             |           |              |
| angular                               |                     | 0.XXX        |                | $\pm -$        |                | 0°                       |        | $\pm -$                |           |              |

|                                                    |             |     |       |       |       |       |       |       |          |                 |                    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| 1                                                  |             |     |       | 2     |       |       |       | 3     |          |                 |                    | 4        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Amphenol<br>FCi<br><br>© 2020 Amphenol Corporation | PRODUCT NO. | POS | DIM X | DIM Y | DIM Z | DIM A | DIM B | DIM W | POL. POS | CONTACT PLATING | SOLDERTAIL PLATING | MATERIAL | A<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br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| 1           |      |       |       | 2     |       |       |       | 3    |                                                                       | 4                  |            |
|-------------|------|-------|-------|-------|-------|-------|-------|------|-----------------------------------------------------------------------|--------------------|------------|
| PRODUCT NO. | POS  | DIM X | DIM Y | DIM Z | DIM A | DIM B | DIM W | POL. | CONTACT PLATING                                                       | SOLDERTAIL PLATING | MATERIAL   |
| 92813-028   | 2X5  | 8     | 10    | 6     | 4.0   | 2.0   | 2.0   | -    | 0.76um MIN GXT                                                        | 0.76um MIN GXT     | SEE NOTE 1 |
| -029        | 2X22 | 42    | 44    | 40    | 4.0   | 6.0   | 2.0   | -    | 0.38um MIN GXT                                                        | 0.38um MIN GXT     | SEE NOTE 1 |
| -030        | 2X7  | 12    | 14    | 10    | 3.4   | 2.0   | 2.0   | -    | 0.38um MIN GXT                                                        | 0.38um MIN GXT     | SEE NOTE 1 |
| -031        | 2X15 | 28    | 30    | 26    | 3.4   | 2.0   | 2.0   | -    | 0.38um MIN GXT                                                        | 0.38um MIN GXT     | SEE NOTE 1 |
| -032        | 2X4  | 6     | 8     | 4     | 4.5   | 3.0   | 2.25  | -    | 0.76um MIN Au                                                         | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -033        | 2X16 | 30    | 32    | 28    | 4.1   | 3.7   | 2.25  | -    | 0.76um MIN Au                                                         | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -034        | 2X16 | 30    | 32    | 28    | 3.7   | 0.5   | 2.25  | -    | 0.76um MIN Au                                                         | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -035        | 2X4  | 6     | 8     | 4     | 4.0   | 4.4   | 2.00  | -    | 0.38um MIN Au                                                         | 0.38um MIN Au      | SEE NOTE 1 |
| -036        | 2X20 | 38    | 32    | 28    | 4.0   | 6.5   | 2.00  | -    | 0.38um MIN GXT                                                        | 0.38um MIN GXT     | SEE NOTE 1 |
| -037        | 2X14 | 26    | 28    | 24    | 4.0   | 9.5   | 2.1   | -    | 0.76um MIN Au                                                         | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -038        | 2X14 | 26    | 28    | 24    | 4.0   | 9.5   | 2.1   | -    | 0.76um MIN GXT                                                        | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -039        | 2X10 | 18    | 20    | 16    | 4.1   | 3.75  | 2.1   | -    | 0.76um MIN GXT                                                        | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -040        | 2X5  | 8     | 10    | 6     | 4.0   | 5.0   | 2.1   | -    | 0.76um MIN GXT                                                        | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -041        | 2X15 | 28    | 30    | 26    | 4.0   | 5.5   | 2.0   | -    | 0.76um MIN GXT                                                        | 0.76um MIN GXT     | SEE NOTE 1 |
| -042        | 2X8  | 14    | 16    | 12    | 4.0   | 11.5  | 2.1   | -    | 0.38um MIN GXT                                                        | 0.38um MIN GXT     | SEE NOTE 1 |
| -043        | 2X22 | 42    | 44    | 40    | 4.0   | 11.5  | 2.1   | -    | 0.38um MIN GXT                                                        | 0.38um MIN GXT     | SEE NOTE 1 |
| -047        | 2X7  | 12    | 14    | 10    | 4.0   | 0.5   | 2.1   | -    | 0.76um MIN GXT                                                        | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -049        | 2X14 | 26    | 28    | 24    | 4.0   | 0.5   | 2.1   | -    | 0.76um MIN GXT                                                        | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -050        | 2X5  | 8     | 10    | 6     | 4.1   | 3.75  | 2.1   | -    | 0.76um MIN GXT                                                        | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -051        | 2X4  | 6     | 8     | 4     | 3.8   | 14.03 | 2.1   | -    | GOLD FLASH                                                            | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -052        | 2X4  | 6     | 8     | 4     | 3.43  | 7.3   | 2.1   | -    | GOLD FLASH                                                            | 2.54um MIN 100% Sn | SEE NOTE 1 |
| -053        | 2X14 | 26    | 28    | 24    | 4.0   | 9.5   | 2.1   | -    | 0.76um MIN GXT ON LEFT AND RIGHT SURFACE OF CONTACT AREA (SEE FIG. 2) | 2.54um MIN 100% Sn | SEE NOTE 1 |

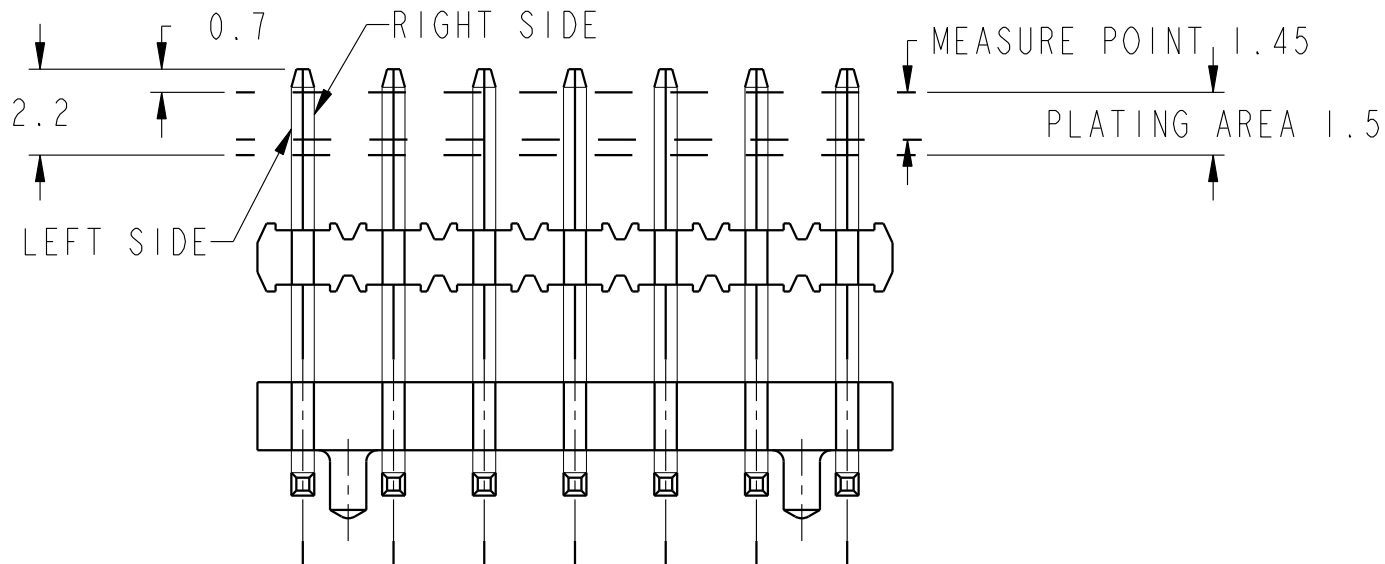
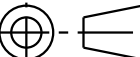


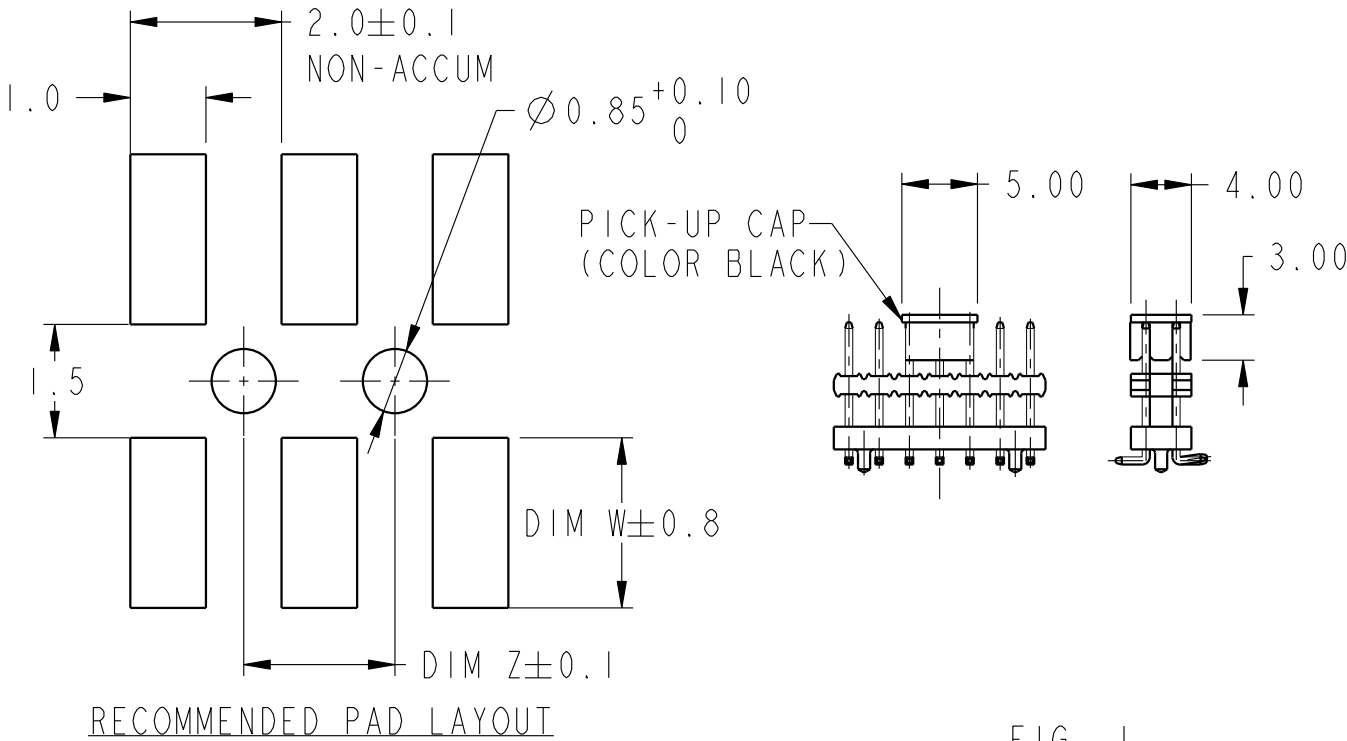
FIG 2  
BOTH SIDE PLATING 30GXT ON CONTACT AREA, ONLY FOR 92813-053LF

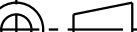
|                         |                |            |                                                                                                             |                                                                                                     |                          |                        |         |        |               |              |     |
|-------------------------|----------------|------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|------------------------|---------|--------|---------------|--------------|-----|
| dr                      | wcadmin, wcadm | 2010/11/01 | <div>projection</div>  | <div>MM</div>  | size                     | A3                     | scale   | 10:1   |               |              |     |
| eng                     | Mike Zhou      | 2024/12/19 |                                                                                                             |                                                                                                     | ecn no                   |                        |         |        | ELX-N-53706-1 |              |     |
| chr                     | -              | -          |                                                                                                             |                                                                                                     | rel level                |                        |         |        | Released      |              |     |
| appr                    | Tim Yao        | 2024/12/20 |                                                                                                             |                                                                                                     | product family           |                        | MINITEK |        |               |              |     |
| <div>Amphenol FCI</div> |                | title      |                                                                                                             |                                                                                                     | MINITEK II R/R           |                        |         | dwg no |               | 92813        | rev |
|                         |                |            |                                                                                                             |                                                                                                     | SMT STR HDR WITH LOCATOR |                        |         |        |               |              | BD  |
| amphenol-icc.com        |                | cat. no.   |                                                                                                             | -                                                                                                   |                          | Product - Customer Drw |         |        |               | sheet 3 of 4 |     |

NOTES:

1. MATERIAL:  
BODY : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0 NATURAL  
PIN : COPPER ALLOY
2. TOLERANCE UNLESS OTHERWISE NOTED  $\pm 0.25$
3. DIM  $1.0 \pm 0.15$  APPLIES TO MOLDED SIDE(S) ONLY. IF SIDE(S) ARE BROKEN, DIM 1.5 MAX APPLIES.
4. RECESS APPLIES TO MOLDED SIDE(S) ONLY.
5. POLARISATION BY OMISSION OF PIN. POSITION REFER TO TABLE.
6. P/N 92813-XXXT TO BE PACKED IN TUBE.
7. P/N 92813-011TC, 014TC, 023TC & 024TC TO BE PACKED IN TUBE WITH PICK-UP CAP INSTALLED IN THE CENTRE OF THE PRODUCT. SEE FIG. 1.
8. P/N 92813-XXXTR TO BE PACKED IN TAPE & REEL WITH PICK-UP CAP INSTALLED IN THE CENTRE OF THE PRODUCT. SEE FIG. 1.
9. PRODUCT PART NUMBER DESCRIPTIONS:  
92813 - XXX LF  
LEAD FREE. SEE NOTE 10  
NO. OF POSITIONS (RANDOM)
10. P/N:92813-XXXLF IS SAME TO 92813-XXX. THE SUFFIX 'LF' IS ADDED JUST FOR EASY LEAD FREE IDENTIFICATION.
11. THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN

12. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A MINIMUM 1.57mm THICK CIRCUIT BOARD.
13. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
14. PN 92813-041TRS TO BE PACKED IN TAPE&REEL WITH PICK-UP(L\*W=8MM\*7MM)
15. IF THE P/N IS 92813-053LF, THE TERMINAL WILL BE PLATING 30 GXT MIN ON BOTH SIDE WHICH IS ON LEFT AND RIGHT SIDE OF CONTACT AREA.



|                             |                |            |                                                                                                             |                                                                                                     |                        |               |       |              |
|-----------------------------|----------------|------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|---------------|-------|--------------|
| dr                          | wcadmin, wcadm | 2010/11/01 | <div>projection</div>  | <div>MM</div>  | size                   | A3            | scale | 5:2          |
| eng                         | Mike Zhou      | 2024/12/19 |                                                                                                             |                                                                                                     | ecn no                 | ELX-N-53706-1 |       |              |
| chr                         | -              | -          |                                                                                                             |                                                                                                     | rel level              | Released      |       |              |
| appr                        | Tim Yao        | 2024/12/20 | product family                                                                                              |                                                                                                     | MINITEK                |               |       |              |
| <div>Amphenol<br/>FCI</div> |                |            | title                                                                                                       |                                                                                                     | MINITEK II R/R         |               |       | rev          |
|                             |                |            | SMT STR HDR WITH LOCATOR                                                                                    |                                                                                                     | dwg no                 |               |       | 92813        |
|                             |                |            |                                                                                                             |                                                                                                     |                        |               |       | BD           |
| amphenol-icc.com            |                | cat. no.   | -                                                                                                           |                                                                                                     | Product - Customer Drw |               |       | sheet 4 of 4 |