

PRODUCT DESCRIPTION CODE :

10146059-1XXK LF

RoHS COMPATIBLE, SEE NOTE 3

FOR CUSTOMER CODE :  
BLANK = GENERAL USE

PACKAGING :  
K = TAPE & REEL

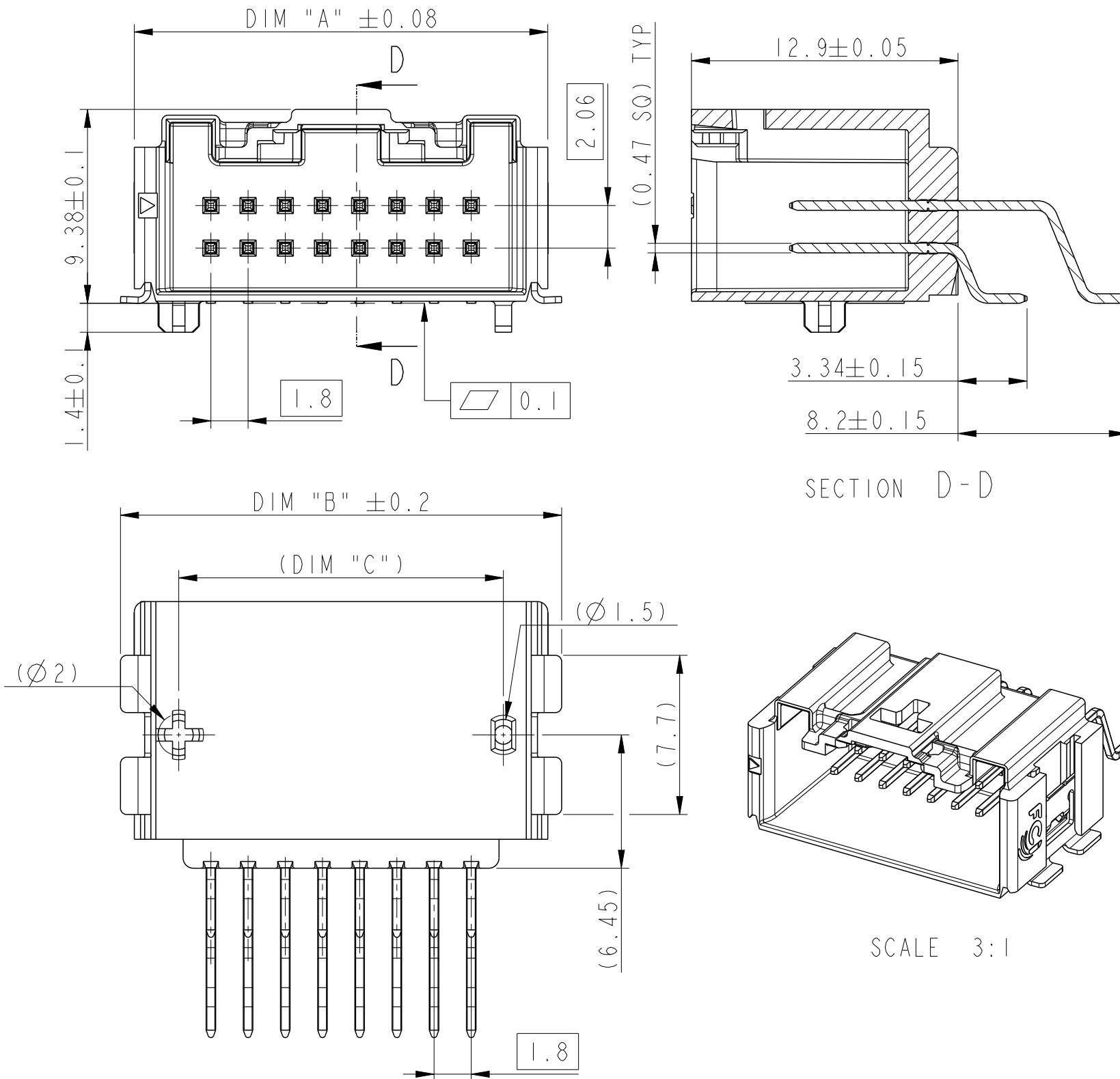
NUMBER OF POSITIONS : 10 TO 30

PLATING :

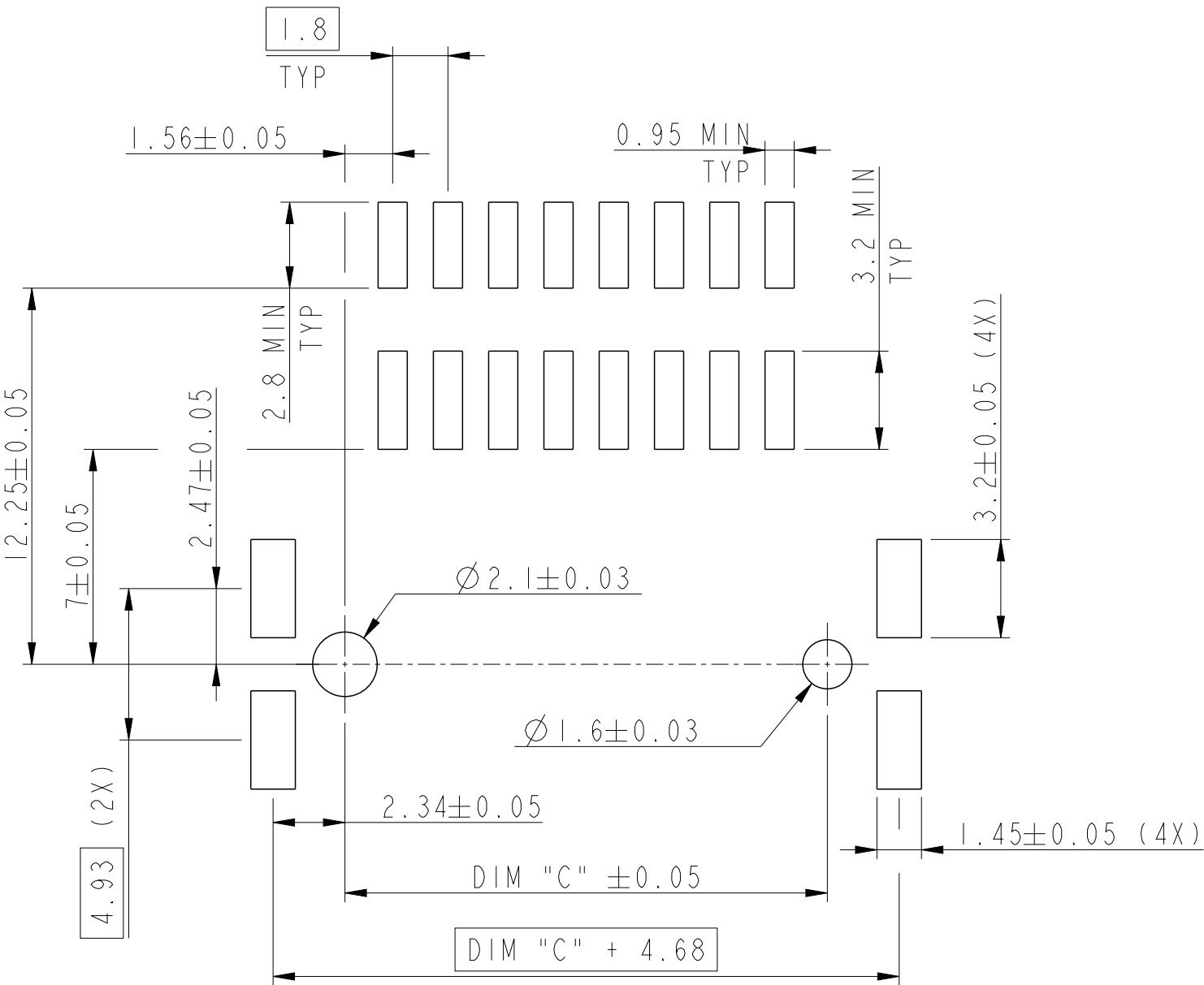
- 1 = 3µm MIN MATTE TIN (PREPLATED)
- 2 = 3µm MIN MATTE TIN (POST-PLATED)
- 3 = 0.76µm MIN GOLD (CONTACT AREA)
- ALL OVER 1.27µm MIN NICKEL UNDERLAYER

NOTES:

- MATERIAL:  
HOUSING : HIGH TEMPERATURE THERMOPLASTIC  
COLOR BLACK UL94 V-0  
PIN : HIGH CURRENT COPPER ALLOY
- TO BE MATED WITH MINITEK µSPACE RECEPTACLE SERIES 10146061
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS
  - PLATING:  
"LF" MEANS THE PRODUCT IS LEAD FREE,  
3µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
  - MANUFACTURING PROCESS COMPATIBILITY:  
THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS MAX IN A CONVECTION, INFRA-RED OR VAPOR PHASE OR REFLOW OVEN.
  - LABELLING :  
MEETS PACKAGING SPECS AS PER GS-14-920
  - LEGAL STATEMENT :  
SEE GS-47-0004.

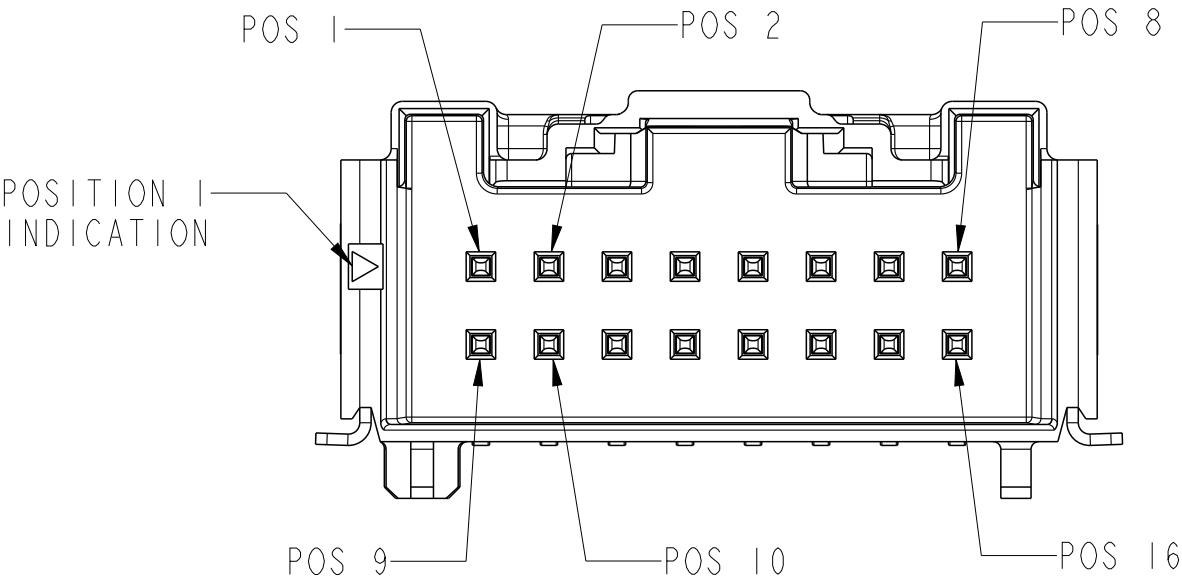


|                                          |                                       |         |        |                 |                |                                                            |                                                                                                     |                                                                                             |        |           |              |          |   |
|------------------------------------------|---------------------------------------|---------|--------|-----------------|----------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|-----------|--------------|----------|---|
| spec ref                                 |                                       | -       |        | dr              | Sawanth, Ambaa | 2018/11/26                                                 | projection<br> | mm<br> | size   | A3        | scale        | 4:1      |   |
| tolerance std<br><br>ISO 406<br>ISO 1101 | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        | eng             | Cyril Jeune    | 2019/04/05                                                 |                                                                                                     |                                                                                             | ecn no | -         |              |          |   |
|                                          |                                       |         |        | chr             | Hyppias, Arnau | 2019/04/05                                                 |                                                                                                     |                                                                                             |        |           |              |          |   |
|                                          |                                       |         |        | appr            | Beatrice Vial  | 2019/04/05                                                 | product family                                                                                      |                                                                                             | -      | rel level |              | Released |   |
| surface<br><br>ISO 1302                  | linear                                | 0.X     | ±0.3   | Amphenol<br>FCi | title          | HEADER ASSEMBLY<br><br>MINITEK μSPACE STS DR 1.8 TOP LATCH |                                                                                                     |                                                                                             | dwg no | 10146059  |              | rev      | A |
|                                          |                                       | 0.XX    | ±0.10  |                 |                |                                                            |                                                                                                     |                                                                                             |        |           |              |          |   |
|                                          |                                       | 0.XXX   | ±0.005 |                 |                |                                                            |                                                                                                     |                                                                                             |        |           |              |          |   |
|                                          |                                       | angular | 0°     | ±2°             |                | cat. no.                                                   | -                                                                                                   | Product - Customer Drw                                                                      |        |           | sheet 1 of 2 |          |   |

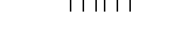


RECOMMENDED PCB LAYOUT

| PART NO         | NO. OF POSN | DIM "A" | DIM "B" | DIM "C" |
|-----------------|-------------|---------|---------|---------|
| 10146059-110KLF | 10          | 14.61   | 15.95   | 10.31   |
| 10146059-112KLF | 12          | 16.41   | 17.75   | 12.11   |
| 10146059-114KLF | 14          | 18.21   | 19.55   | 13.91   |
| 10146059-116KLF | 16          | 20.01   | 21.35   | 15.71   |
| 10146059-118KLF | 18          | 21.81   | 23.15   | 17.51   |
| 10146059-120KLF | 20          | 23.61   | 24.95   | 19.31   |
| 10146059-122KLF | 22          | 25.41   | 26.75   | 21.11   |
| 10146059-124KLF | 24          | 27.21   | 28.55   | 22.91   |
| 10146059-126KLF | 26          | 29.01   | 30.35   | 24.71   |
| 10146059-128KLF | 28          | 30.81   | 32.15   | 26.51   |
| 10146059-130KLF | 30          | 32.61   | 33.95   | 28.31   |



POSITION NUMBER INDICATION FOR 16POS

|                                                                                                              |                                          |       |        |                 |                |                                                        |                                                                                                     |                                                                                             |           |              |       |          |          |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------|-------|--------|-----------------|----------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|--------------|-------|----------|----------|
| spec ref                                                                                                     |                                          | -     |        | dr              | Sawanth, Ambaa | 2018/11/26                                             | projection<br> | mm<br> | size      | A3           | scale | 5:1      |          |
| tolerance std<br>ISO 406<br>ISO 1101                                                                         | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED |       |        | eng             | Cyril Jeune    | 2019/04/05                                             |                                                                                                     |                                                                                             | ecn no    |              |       |          | -        |
|                                                                                                              |                                          |       |        | chr             | Hyppias, Arnau | 2019/04/05                                             |                                                                                                     |                                                                                             | rel level |              |       |          | Released |
|                                                                                                              |                                          |       |        | appr            | Beatrice Vial  | 2019/04/05                                             | product family                                                                                      |                                                                                             | -         |              |       |          |          |
| surface<br><br>ISO 1302 | linear                                   | 0.X   | ±0.3   | Amphenol<br>FCi | title          | HEADER ASSEMBLY<br>MINITEK μSPACE STS DR 1.8 TOP LATCH |                                                                                                     |                                                                                             | dwg no    | 10146059     |       | rev<br>A |          |
|                                                                                                              |                                          | 0.XX  | ±0.10  |                 |                |                                                        |                                                                                                     |                                                                                             |           |              |       |          |          |
|                                                                                                              |                                          | 0.XXX | ±0.005 |                 |                |                                                        |                                                                                                     |                                                                                             |           |              |       |          |          |
|                                                                                                              | angular                                  | 0°    | ±2°    |                 | cat. no.       | -                                                      | Product - Customer Drw                                                                              |                                                                                             |           | sheet 2 of 2 |       |          |          |