



PRODUCT NUMBER DESCRIPTION :  
59132- X XX - XX - XXX XLF

PLATING

- S = 0.38µm GOLD ON CONTACT AREA  
0.38µm GOLD ON TAIL
- G = 0.76µm GOLD ON CONTACT AREA  
0.76µm GOLD ON TAIL
- F = 0.20µm GOLD ON CONTACT AREA  
0.20µm GOLD ON TAIL
- T = 0.76µm GOLD ON CONTACT AREA  
2.54µm 100% MATTE TIN ON TAIL
- H = GOLD FLASH ON CONTACT AREA  
2.54µm 100% MATTE TIN ON TAIL

LEAD FREE (SEE NOTE 11)

RETENTION (SEE NOTES 6 & 10)  
R: RETENTIVE LEG

STACKER HEIGHT (SEE NOTE 7)

PACKAGING: - = BAGS  
(SEE NOTE 5) U = TUBES

POSITIONS PER ROW = "N"  
(02 TO 25)

OMIT FROM PRODUCT NUMBER FOR  
LEAD FREE WITH RETENTIVE LEG PRODUCT

NOTES:

- 1. MATERIAL HOUSING: HIGH TEMPERATURE THERMOPLASTIC  
UL 94V-0, COLOR BLACK
- 2. MATERIAL TERMINAL: COPPER ALLOY

- ③ TO DETERMINE DIMENSIONS:  
N=NUMBER OF POSITIONS PER ROW  
EX.: 10 POS., N x 2.00 = 20.00 TOTAL POSITIONS

4. 0.9kg MIN. PIN RETENTION IN EITHER DIRECTION.

- 5. PACKAGING;  
(A) STANDARD PACKAGING: IN POLY BAGS.  
(B) SPECIAL PACKAGING: IN TUBE.  
FOR ALL SPECIAL PACKAGING,FCI MUST BE  
CONTACTED FOR AVAILABILITY IN SIZE REQUESTED.

- ⑥ RETENTION LEG:  
2.3kg MAX INSERTION FORCE AND 1 kg MIN RETENTION  
FORCE PER RETENTIVE PIN USING 1.57 THICK CIRCUIT  
BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE  
LOCATION AT THE DISCRETION OF THE MANUFACTURER.  
RETENTION IS TWO PINS PER PART ADJACENT TO ONE  
ANOTHER.

- ⑦ STACK HEIGHT IS DETERMINED BY CUSTOMER APPLICATION  
REQUIREMENTS. SPECIFIED IN mm.  
EXAMPLE: 3.7mm STACK HEIGHT=59132-XXX-XX-037X.

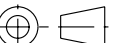
- ⑧ POST LENGTH IS DETERMINED BY: (OAL)-(3.00)-(STACK HGT.)  
=POST LENGTH.MINIMUM MATING LENGTH TO BE 2.0mm.

| PIN STYLE | OAL  |
|-----------|------|
| 22        | 08.2 |
| 24        | 09.6 |
| 26        | 10.2 |
| 28        | 11.8 |
| 30        | 13.5 |
| 32        | 14.1 |
| 34        | 15.6 |
| 36        | 17.1 |
| 38        | 19.1 |
| 40        | 21.1 |
| 42        | 18.0 |

- ⑨ DIM 1.0 APPLIES TO MOLDED SIDE(S) ONLY. IF SIDE(S) ARE  
BROKEN, DIM 1.5 MAX APPLIES.
- ⑩. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
- ⑪. P/N:59132-XXXLF IS SAME AS P/N:59132-XXX. THE SUFFIX 'LF'  
IS ADDED FOR EASY LEAD FREE IDENTIFICATION.
- 12. THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED  
OR VAPOR PHASE REFLOW OVEN.
- 13. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER  
APPLICATION WITH A 1.57MM MINIMUM THICK CIRCUIT BOARD.
- 14. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 15. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



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|                                                                                                  |             |            |                                                                                                                        |                                                                                                                |                          |               |              |          |
|--------------------------------------------------------------------------------------------------|-------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|---------------|--------------|----------|
| dr                                                                                               | w wcadmin   | 2010/10/31 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                     | A3            | scale        | 5:1      |
| eng                                                                                              | Guo-Min Sun | 2014/10/29 |                                                                                                                        |                                                                                                                | ecn no                   | ELX-N-19241-1 |              |          |
| chr                                                                                              | -           | -          |                                                                                                                        |                                                                                                                |                          |               |              |          |
| appr                                                                                             | Feagle Pan  | 2014/10/29 | product family                                                                                                         |                                                                                                                | MINITEK                  |               | rel level    | Released |
| <div></div> |             | title      |                                                                                                                        |                                                                                                                | 2.0MM UNSHROUDED HEADER  |               |              | rev      |
|                                                                                                  |             |            |                                                                                                                        |                                                                                                                | BOARD TO BOARD THRU-HOLE |               |              | K        |
| www.fci.com                                                                                      |             | cat. no.   | -                                                                                                                      | Product - Customer Drw                                                                                         |                          |               | sheet 2 of 2 |          |