

PRODUCT NUMBER DESCRIPTION :

58102 - X XX - XX - XX X XX

PLATING

S = 0.38µm GOLD  
ON CONTACT AREA  
3.81µm TIN/LEAD  
ON TAIL

G = 0.76µm GOLD  
ON CONTACT AREA  
3.81µm TIN/LEAD  
ON TAIL

F = 0.20µm GOLD  
ON CONTACT AREA  
3.81µm TIN/LEAD  
ON TAIL

LF = ROHS COMPLIANT (SEE NOTE 10)  
BLANK = CONTAINS LEAD

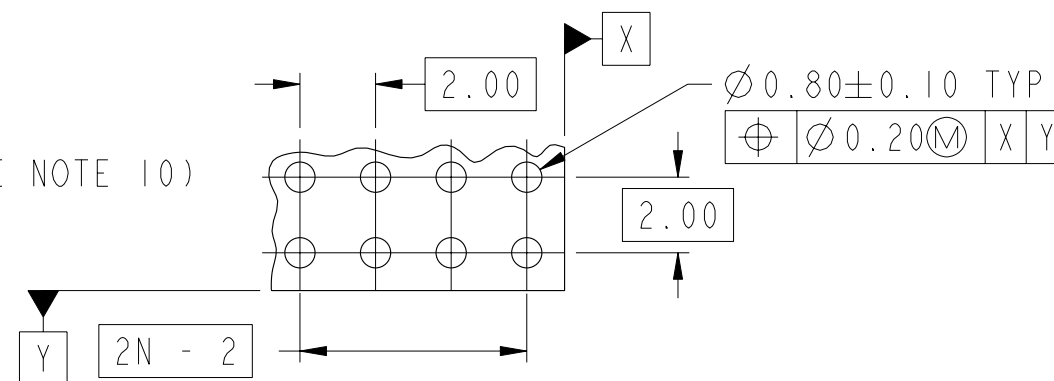
RETENTION  
R: RETENTIVE LEG  
NOTES 6,7

POLARIZATION  
NOTE 7

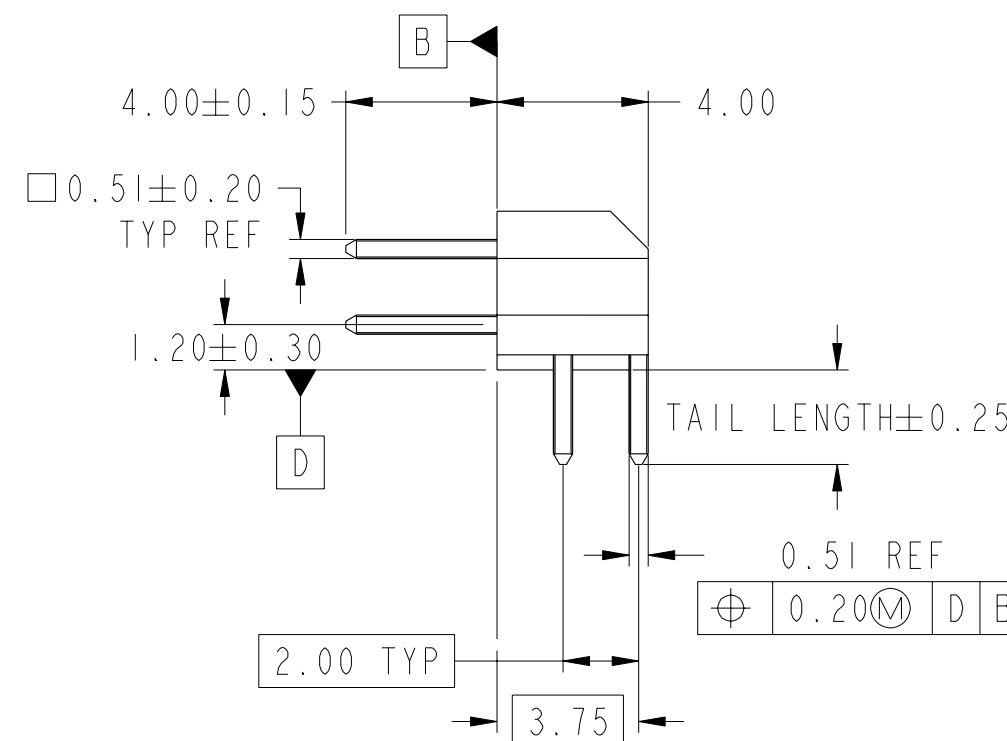
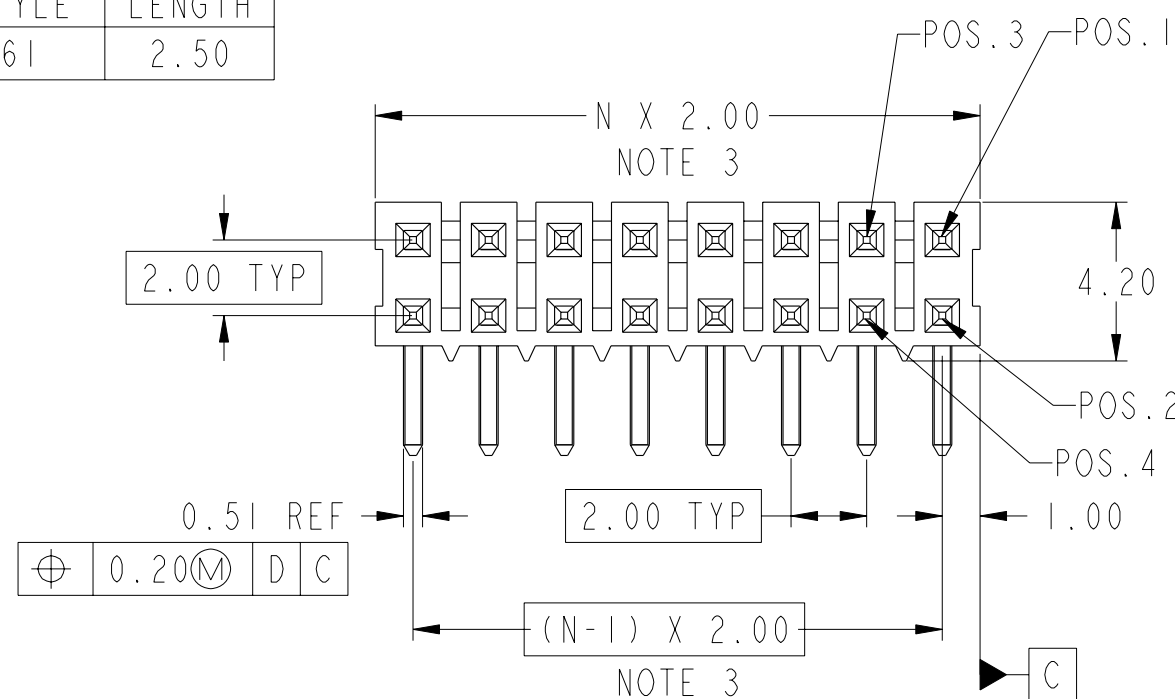
PACKAGING: = POLY BAGS  
(NOTE 5) U = TUBES

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

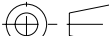
| PIN<br>STYLE | TAIL<br>LENGTH |
|--------------|----------------|
| 61           | 2.50           |



(RECOMMENDED HOLE PATTERN)  
SCALE 5:1



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|                                                                                       |            |                                                         |                                                                                                           |          |                                   |              |                                                                                                  |              |                                                                                          |  |
|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------|-----------------------------------|--------------|--------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------|--|
| www.fciconnect.com                                                                    |            |                                                         | surface <br>ISO 1302 |          | tolerance std<br>ISO 406 ISO 1101 |              | projection  |              | MM  |  |
|                                                                                       |            |                                                         | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                                     |          |                                   |              |                                                                                                  |              |                                                                                          |  |
| Dr                                                                                    | T.BRUNGARD | 1999-04-05                                              | ANGULAR                                                                                                   | LINEAR   | 0.X                               | ±0.5         | size<br>A3                                                                                       | Scale<br>5:1 |                                                                                          |  |
| Eng                                                                                   | L.GREEN    | 1999-04-06                                              |                                                                                                           |          | 0.XX                              | ±0.25        |                                                                                                  |              |                                                                                          |  |
| Chr                                                                                   | KH LEE     | 2009-11-20                                              |                                                                                                           |          | 0° ±3°                            | 0.XXX        |                                                                                                  | ±0.15        | ECN S10-0205                                                                             |  |
| Appr                                                                                  | JOEY NG    | 2009-11-20                                              | Product family -                                                                                          |          |                                   |              | Spec ref -                                                                                       |              |                                                                                          |  |
|  |            | title 2.00mm UNSHROUDED HEADER<br>RIGHT ANGLE THRU-HOLE |                                                                                                           |          |                                   | dwg no 58102 |                                                                                                  |              | Rev<br>G                                                                                 |  |
| catalog no -                                                                          |            |                                                         |                                                                                                           | CUSTOMER |                                   |              | sheet 1 of 2                                                                                     |              |                                                                                          |  |

| rev | ecn no   | dr    | date       |
|-----|----------|-------|------------|
| E   | S05-0037 | KBM   | 2005-02-08 |
| F   | S06-0236 | KHL   | 2006-07-17 |
| G   | S10-0205 | N.B.R | 2009-11-20 |
| -   | -        | -     | -          |
| -   | -        | -     | -          |
| C   | V11757   | DAI   | 2001-06-27 |
| D   | V05-0098 | DAI   | 2005-02-01 |

NOTES:

① MATERIAL HOUSING:HIGH TEMP.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 FOR POLARIZATION,SPECIFY POSITION NUMBER,  
(i.e.:POS.3 = 03) TO OMIT PIN.  
OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT  
APPLICABLE.

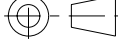
8.THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED  
OR VAPOR PHASE REFLOW OVEN.

9.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.

⑩ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

△ 11.A △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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|                                                                                       |            |                                                            |                     |     |                                       |  |                                                                                                     |          |                                                                                             |               |              |
|---------------------------------------------------------------------------------------|------------|------------------------------------------------------------|---------------------|-----|---------------------------------------|--|-----------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|---------------|--------------|
| www.fciconnect.com                                                                    |            |                                                            | surface<br>ISO 1302 |     | - ✓ tolerance std<br>ISO 406 ISO 1101 |  | projection<br> |          | MM<br> |               |              |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                                 |            |                                                            |                     |     |                                       |  |                                                                                                     |          |                                                                                             |               |              |
| Dr                                                                                    | T.BRUNGARD | 1999-04-05                                                 | ANGULAR             |     | LINEAR                                |  | 0.X                                                                                                 | ±0.5     | size<br>A3                                                                                  | Scale<br>10:1 |              |
| Eng                                                                                   | L.GREEN    | 1999-04-06                                                 |                     |     |                                       |  | 0.XX                                                                                                | ±0.25    |                                                                                             |               |              |
| Chr                                                                                   | KH LEE     | 2009-11-20                                                 | 0°                  | ±3° |                                       |  | 0.XXX                                                                                               | ±0.15    | ECN                                                                                         | S10-0205      |              |
| Appr                                                                                  | JOEY NG    | 2009-11-20                                                 | Product family      |     |                                       |  |                                                                                                     | -        | Spec ref                                                                                    |               | -            |
|  |            | title<br>2.00mm UNSHROUDED HEADER<br>RIGHT ANGLE THRU-HOLE |                     |     |                                       |  | dwg no<br>58102                                                                                     |          |                                                                                             |               | Rev.<br>G    |
|                                                                                       |            |                                                            |                     |     |                                       |  |                                                                                                     |          |                                                                                             |               |              |
|                                                                                       |            | catalog no                                                 |                     |     |                                       |  | -                                                                                                   | CUSTOMER |                                                                                             |               | sheet 2 of 2 |