

## PRODUCT NUMBER

5 2 6 0 1 - X X X - X X X X LF

PLATING

S=15μ"[0.38μm]GOLD ON  
CONTACT AREA (NOTE 13)  
100μ"[2.54μm]TIN ON TAIL

G=30μ"[0.76μm]GOLD ON  
CONTACT AREA (NOTE 13)  
100μ"[2.54μm]TIN ON TAIL

LEAD FREE OPTION  
NOTE 10,11,12

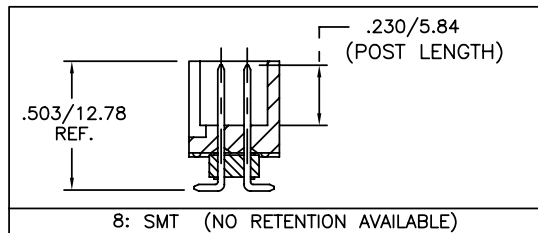
PACKAGE NOTE 5

RETENTION  
R= RETENTIVE LEG (NOTE 6)

POLARIZATION  
NOTE 9

| TAIL |            |
|------|------------|
| 1    | .090/2.29  |
| 2    | .142/2.84  |
| 4    | .120/3.05  |
| 6    | .150/3.81  |
| 7    | .675/17.15 |
| 8    | SMT        |

|    | TOTAL POSITIONS | HDR. STYLE |
|----|-----------------|------------|
| 10 | 2 x 5           | B          |
| 14 | 2 x 7           | C          |
| 16 | 2 x 8           | D          |
| 20 | 2 x 10          | D          |
| 26 | 2 x 13          | D          |
| 30 | 2 x 15          | D          |
| 34 | 2 x 17          | D          |
| 40 | 2 x 20          | D          |
| 44 | 2 x 22          | D          |
| 50 | 2 x 25          | D          |
| 60 | 2 x 30          | D          |



## NOTES:

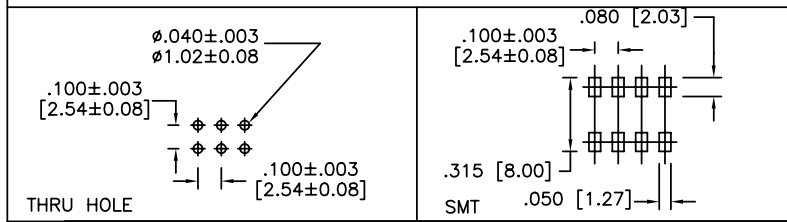
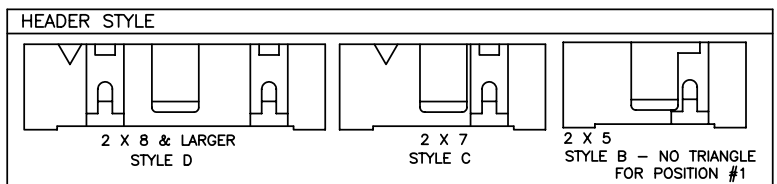
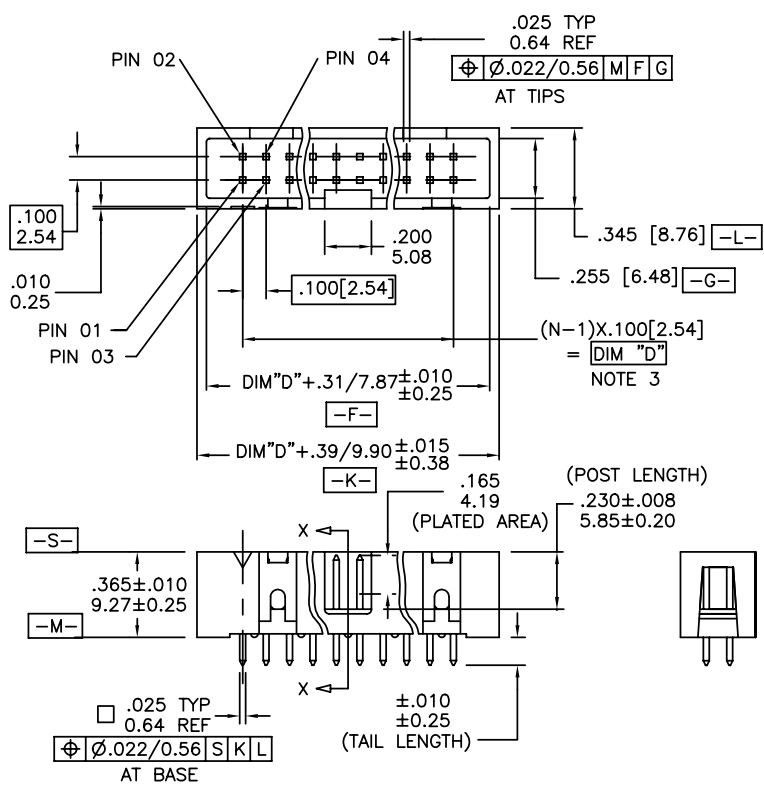
- HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0  
COLOR: BLACK  
OR  
MINERAL FILLED LCP FLAME RETARDANT  
PER UL-94V-0. COLOR: BLACK.
- PIN MATERIAL: PHOSPHOR-BRONZE
- TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE: 10 POS., (N-1) x .100[2.54]=.900[22.86]
- 3 LBS./1.36 KG MIN. RETENTION
- PACKAGED IN TRAYS,  
PART NUMBER FOLLOWS BY "T" SUFFIX ARE PACKAGED  
TAPE ON RELL WITH PACK-UP INSTALLED. VACUUM CAP TO BE  
CENTRALLY LOCATED REGARDLESS OF NUMBER OF POSITIONS (SHEET 3)
- RETENTIVE LEG APPLICABLE TO TAIL LENGTHS .125/3.18 MAX.  
5LB/2.3KG MAX INSERTION FORCE AND .25LB./1KG MIN RETENTION FORCE  
PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED  
HOLE PATTERN. RETENTIVE LOCATION AT THE DISCRETION OF THE MANUFACTURER.  
RETENTION PIN MAY BE SHIFTED TO NEXT POSITION.
- OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.
- UNDERPLATING: 50μ"/1.27μm Ni.
- FOR POLARIZATION SPECIFY POSITION NUMBER (i.e. 03 = PIN 3) TO OMIT PIN.  
OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE.
- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm  
MINIMUM THICK CIRCUIT BOARD. SEE APPLICATION NOTES/PROCEDURES  
IF THEY ARE AVAILABLE.  
  
THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE  
REFLOW OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

| rev | ecn no   | dr  | date     |
|-----|----------|-----|----------|
| S   | M08-0117 | MHT | 04/22/08 |
| T   | M08-0118 | MHT | 04/24/08 |
| U   | M08-0237 | MHT | 05/25/08 |
| V   | M08-0261 | MHT | 08/19/08 |
| W   | N08-0279 | MHT | 09/30/08 |
| X   | N10-0327 | AZH | 11/04/10 |

|                    |          |                                                      |                                       |            |              |
|--------------------|----------|------------------------------------------------------|---------------------------------------|------------|--------------|
| www.fciconnect.com |          | surface<br>ISO 1302                                  | tolerance<br>ISO 406 ISO 1101         | projection | MM           |
| Dr                 | D.INGRAM | 07/07/99                                             | tolerances UNLESS OTHERWISE SPECIFIED | size       | A4           |
| Eng                | L.GREEN  | 07/12/99                                             | ANGULAR                               | scale      | 1:1          |
| Chr                | L.GREEN  | 07/12/99                                             | 0° ±2.0°                              | ECN        | N10-0327     |
| Appr               | L.GREEN  | 07/21/99                                             | Product family                        | QUICKIE    | Spec ref     |
| FCI                |          | title                                                |                                       | 8266       | Rev.         |
|                    |          | 0.100/2.54MM LOW PROFILE<br>SHROUDED VERTICAL HEADER |                                       | 52601      | X            |
|                    |          | catalog no                                           |                                       | CUSTOMER   | sheet 1 of 3 |



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RECOMMENDED BOARD LAYOUT

|                    |          |          |                                                      |                               |            |                 |
|--------------------|----------|----------|------------------------------------------------------|-------------------------------|------------|-----------------|
| www.fciconnect.com |          |          | surface<br>ISO 1302                                  | tolerance<br>ISO 406 ISO 1101 | projection | MM              |
|                    |          |          | TOLERANCES UNLESS OTHERWISE SPECIFIED                |                               |            |                 |
| Dr                 | D.INGRAM | 07/07/99 | ANGULAR<br>LINEAR                                    | 0.X                           | ± 0.30     | size<br>A4      |
| Eng                | L.GREEN  | 07/12/99 |                                                      | 0.XX                          | ± 0.13     | Scale<br>1:1    |
| Chr                | L.GREEN  | 07/12/99 |                                                      | 0.XXX                         | ± 0.05     | ECN<br>N10-0327 |
| Appr               | L.GREEN  | 07/21/99 | Product family                                       |                               | QUICKIE    | Spec ref        |
|                    |          |          | title                                                |                               |            | Rev.            |
|                    |          |          | 0.100/2.54MM LOW PROFILE<br>SHROUDED VERTICAL HEADER |                               |            | X               |
| catalog no         |          |          | CUSTOMER                                             |                               |            | sheet 2 of 3    |

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A

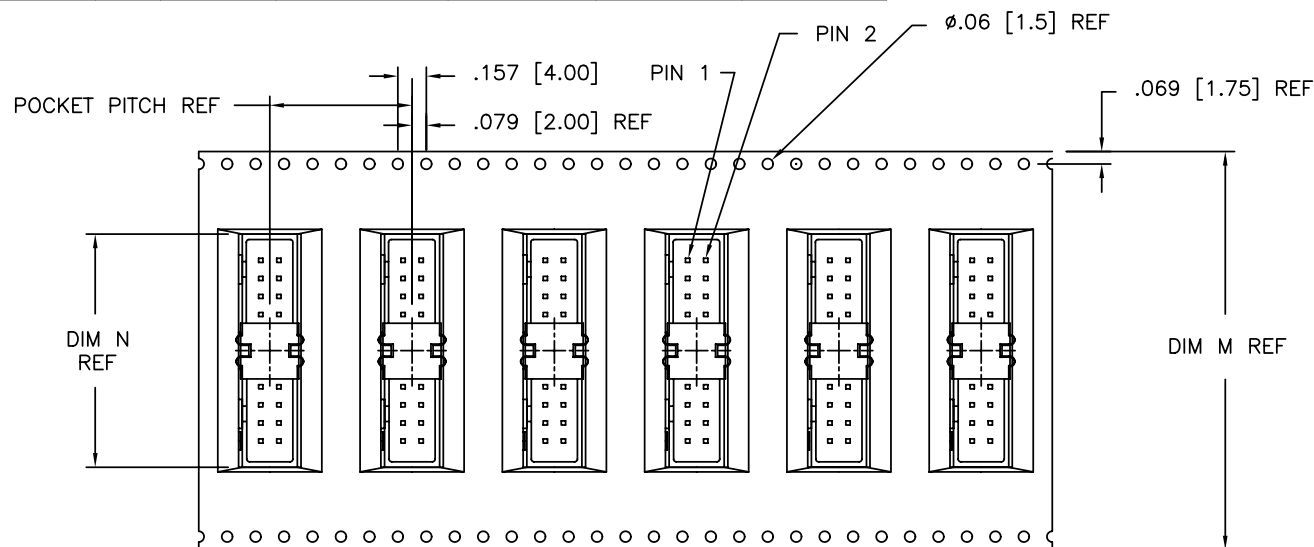
A

| PRODUCT No.<br>NOTE 10 | NO. OF<br>POSITIONS | HSG.<br>STYLE | POLARIZED<br>POSITION | PACKAGING    | POCKET PITCH | DIM M       | DIM N       |
|------------------------|---------------------|---------------|-----------------------|--------------|--------------|-------------|-------------|
| 52601-S10-801T         | 2 X 5               | B             | 01                    | TAPE-ON-REEL | 0.787/20.00  | 1.260/32.00 | 0.790/20.07 |
| 52601-S10-805T         | 2 X 5               | B             | 05                    | TAPE-ON-REEL | 0.787/20.00  | 1.260/32.00 | 0.790/20.07 |
| 52601-S10-807T         | 2 X 5               | B             | 07                    | TAPE-ON-REEL | 0.787/20.00  | 1.260/32.00 | 0.790/20.07 |
| 52601-S14-807T         | 2 X 7               | C             | 07                    | TAPE-ON-REEL | 0.787/20.00  | 1.732/44.00 | 1.090/27.69 |
| 52601-S14-80714T       | 2 X 7               | C             | 07,14                 | TAPE-ON-REEL | 0.787/20.00  | 1.732/44.00 | 1.090/27.69 |
| 52601-X16-8T           | 2 X 8               | D             | -                     | TAPE-ON-REEL | 0.787/20.00  | 1.732/44.00 | 1.090/27.69 |
| 52601-X20-8T           | 2 X 10              | D             | -                     | TAPE-ON-REEL | 0.787/20.00  | 2.204/56.00 | 1.290/32.77 |
| 52601-X30-8T           | 2 X 15              | D             | -                     | TAPE-ON-REEL | 0.787/20.00  | 2.834/72.00 | 1.786/45.37 |
| 52601-X40-8T           | 2 X 20              | D             | -                     | TAPE-ON-REEL | 0.787/20.00  | 3.465/88.00 | 2.293/58.25 |

\* SPECIAL CUSTOMER

B

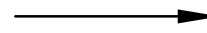
B



C

C

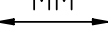
UN-REELING DIRECTION OF FEED



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D

D

|                                                                                       |            |          |                                       |        |                                                      |                                                                                                     |                                                                                             |          |              |       |  |     |   |
|---------------------------------------------------------------------------------------|------------|----------|---------------------------------------|--------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------------|-------|--|-----|---|
| www.fciconnect.com                                                                    |            |          | surface<br>ISO 1302                   |        | tolerance<br>ISO 406 ISO 1101                        | projection<br> | MM<br> |          |              |       |  |     |   |
|                                                                                       |            |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |        |                                                      |                                                                                                     |                                                                                             |          |              |       |  |     |   |
| Dr                                                                                    | D.INGRAM   | 07/07/99 | ANGULAR                               | LINEAR | 0.X                                                  | ± 0.30                                                                                              | size                                                                                        | A4       | Scale        | 1:1   |  |     |   |
| Eng                                                                                   | L.GREEN    | 07/12/99 |                                       |        | 0.XX                                                 | ± 0.13                                                                                              |                                                                                             |          |              |       |  |     |   |
| Chr                                                                                   | L.GREEN    | 07/12/99 |                                       |        | 0.XXX                                                | ± 0.05                                                                                              | ECN                                                                                         | N10-0327 |              |       |  |     |   |
| Appr                                                                                  | L.GREEN    | 07/21/99 | Product family                        |        |                                                      |                                                                                                     | QUICKIE                                                                                     | Spec ref |              |       |  |     |   |
|  | title      |          |                                       |        | 0.100/2.54MM LOW PROFILE<br>SHROUDED VERTICAL HEADER |                                                                                                     |                                                                                             |          | dwg no       | 52601 |  | Rev | X |
|                                                                                       |            |          |                                       |        |                                                      |                                                                                                     |                                                                                             |          |              |       |  |     |   |
|                                                                                       | catalog no |          |                                       |        | CUSTOMER                                             |                                                                                                     |                                                                                             |          | sheet 3 of 3 |       |  |     |   |
|                                                                                       |            |          |                                       |        |                                                      |                                                                                                     |                                                                                             |          |              |       |  |     |   |

REV F - 2006-04-17

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3 PDM: Rev:X

STATUS Released

4 Printed: Apr 12, 2011