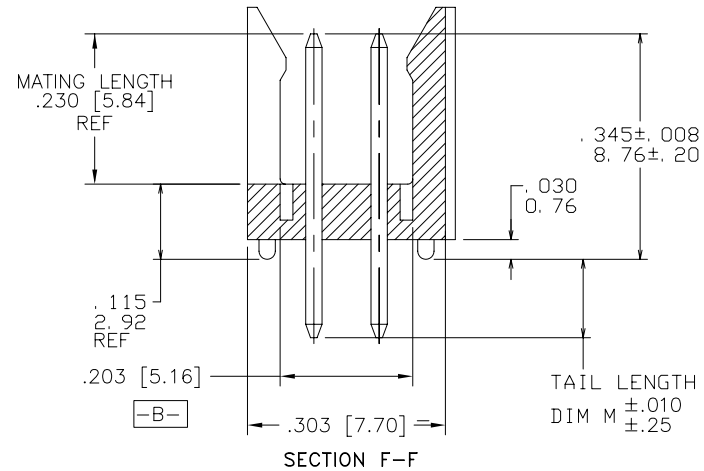
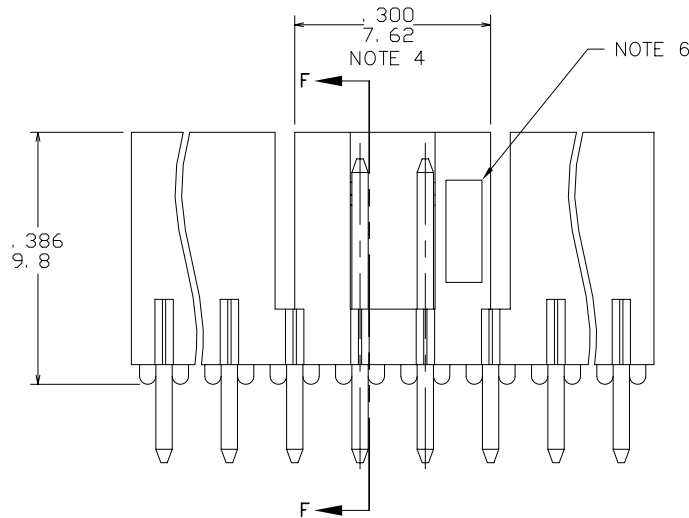
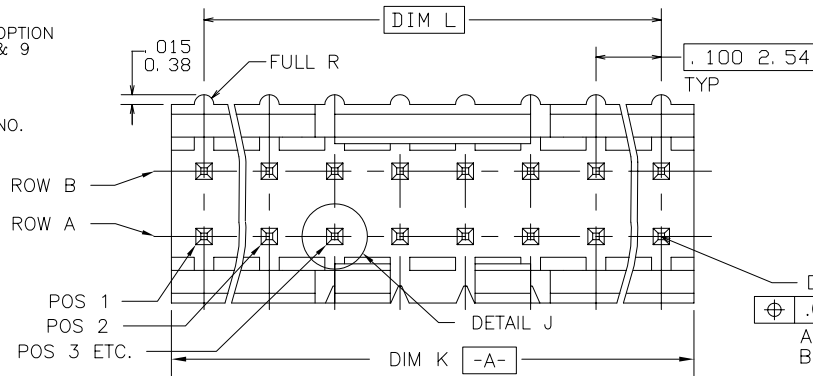


PRODUCT NUMBER  
78946-XXYHLF

LEAD FREE OPTION  
NOTE 7, 8 & 9  
NO. OF  
POSITIONS  
PIN PLATING  
BASE PART NO.



|             |          |     |          |                                       |                                  |                               |                                                       |
|-------------|----------|-----|----------|---------------------------------------|----------------------------------|-------------------------------|-------------------------------------------------------|
| mat'l. code |          |     |          | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1101        | product family<br>HEADER                              |
| ltr         | ecn no   | dr  | date     | tolerances unless otherwise specified |                                  | INCH/MM<br>scale 4:1          | title<br>FRICTION LATCH HEADER<br>DOUBLE ROW VERTICAL |
| A           | V32160   | SAR | 1/7/94   | angles                                | linear .XX±.01/0.3               |                               |                                                       |
| B           | V50315   | LSS | 4/27/95  |                                       | .xxx±.005/0.13                   | FCI                           | dwg no<br>78946<br>sheet 1 of 2 size<br>A3            |
| C           | V71184   | HTB | 9/5/97   | 0'±2'                                 | .xxx±.0020/0.051                 |                               |                                                       |
| D           | V71470   | HTB | 10/9/97  | dr                                    | S.ROYER 1/7/94                   | type Product Customer Drawing |                                                       |
| E           | V03-0352 | GJP | 03/25/03 | engr                                  | L.FYE 1/7/94                     |                               |                                                       |
| F           | M05-0134 | ERE | 06/15/05 | chr                                   | L.FYE 1/7/94                     |                               |                                                       |
| G           | M06-0256 | MHT | 9/07/06  | appd                                  | L.FYE 1/7/94                     |                               |                                                       |
| sheet index | revision | G   | G        |                                       |                                  |                               |                                                       |
| sheet       | 1        | 2   |          |                                       |                                  |                               |                                                       |



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| PRODUCT NUMBER | NO OF POS | DIM K                 | DIM L       | TAIL LENGTH DIM M |
|----------------|-----------|-----------------------|-------------|-------------------|
| 78946-X06      | 2 X 3     | .300/7.62             | .200/5.08   | .190/4.83         |
| -X08           | 2 X 4     | .400/10.16            | .300/7.62   | .190/4.83         |
| -X10           | 2 X 5     | .500/12.70            | .400/10.16  | .190/4.83         |
| -X12           | 2 X 6     | .600/15.24            | .500/12.70  | .190/4.83         |
| -X14           | 2 X 7     | .700/17.78            | .600/15.24  | .190/4.83         |
| -X16           | 2 X 8     | .800/20.32            | .700/17.78  | .190/4.83         |
| -X18           | 2 X 9     | .900/22.86            | .800/20.32  | .190/4.83         |
| -X20           | 2 X 10    | 1.000/25.40           | .900/22.86  | .190/4.83         |
| -X22           | 2 X 11    | 1.100/27.94           | 1.000/25.40 | .190/4.83         |
| -X24           | 2 X 12    | 1.200/30.48           | 1.100/27.94 | .190/4.83         |
| -X26           | 2 X 13    | 1.300/33.02           | 1.200/30.48 | .190/4.83         |
| -X28           | 2 X 14    | 1.400/35.56           | 1.300/33.02 | .190/4.83         |
| -X30           | 2 X 15    | 1.500/38.10           | 1.400/35.56 | .190/4.83         |
| -X32           | 2 X 16    | U N A V A I L A B L E |             |                   |
| -X34           | 2 X 17    | U N A V A I L A B L E |             |                   |
| -X36           | 2 X 18    | U N A V A I L A B L E |             |                   |
| -X38           | 2 X 19    | U N A V A I L A B L E |             |                   |
| -X40           | 2 X 20    | U N A V A I L A B L E |             |                   |
| -X42           | 2 X 21    | U N A V A I L A B L E |             |                   |
| -X44           | 2 X 22    | U N A V A I L A B L E |             |                   |
| -X46           | 2 X 23    | U N A V A I L A B L E |             |                   |
| -X48           | 2 X 24    | U N A V A I L A B L E |             |                   |
| -X50           | 2 X 25    | U N A V A I L A B L E |             |                   |
| -X52           | 2 X 26    | U N A V A I L A B L E |             |                   |
| -X54           | 2 X 27    | U N A V A I L A B L E |             |                   |
| -X56           | 2 X 28    | U N A V A I L A B L E |             |                   |
| -X58           | 2 X 29    | U N A V A I L A B L E |             |                   |
| -X60           | 2 X 30    | U N A V A I L A B L E |             |                   |
| -X62           | 2 X 31    | U N A V A I L A B L E |             |                   |
| -X64           | 2 X 32    | U N A V A I L A B L E |             |                   |
| -X66           | 2 X 33    | U N A V A I L A B L E |             |                   |
| -X68           | 2 X 34    | U N A V A I L A B L E |             |                   |
| -X70           | 2 X 35    | U N A V A I L A B L E |             |                   |
| 78946-X72      | 2 X 36    | U N A V A I L A B L E |             |                   |

## PIN PLATING CODES

|         |                                                |
|---------|------------------------------------------------|
| -1YY    | 30u"/.76u (SEE NOTE 10) 50u"/1.27u Ni          |
| -2YY    | 15u/.38u (SEE NOTE 10) 50u"/1.27u Ni           |
| -3YY    | 50u"/1.27u Au 50u"/1.27u Ni                    |
| -4YY    | 100u"/2.54u MIN Sn 50u"/1.27u Ni (SEE NOTE 11) |
| -4YYHLF |                                                |
| -5YY    | 15u"/.38u (SEE NOTE 10) 50u"/1.27u Ni          |
| -6YY    | 30u"/.76u (SEE NOTE 10) 50u"/1.27u Ni          |
| -7YY    | 30u"/.76u Au OVER 50u"/1.27u Ni                |
| -8YY    | 15u"/.38u Au OVER 50u"/1.27u Ni                |

## NOTES:

- MOLDING MAT'L: GLASS REINFORCED PCT, COLOR: BLACK  
FLAME RETARDANT PER UL 94V-0  
MAXIMUM OPERATING TEMPERATURE: 130° C
- PIN MATERIAL: 3/4 HD PHOS. BRZ.
- NO SLOTS ON 2 X 5 POSITION OR SMALLER PRODUCT. THE CENTER KEY SLOT WILL BE ON ALL HEADERS REGARDLESS OF SIZE.
- TWO NON-CRITICAL SIDES OF PIN TIP NOT PLATED, BOTH ENDS.
- COMPANY LOGO MAY APPEAR IN THIS AREA.
- ROW "A" AND "B" AND POSITION NUMBERS NOT SHOWN ON PARTS.
- ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY, -5YYH, -6YY & -6YYH.
- PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.  
  
PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.
- 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.
- "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

|             |  |  |  |                       |  |                                  |  |                       |  |                                             |  |  |  |
|-------------|--|--|--|-----------------------|--|----------------------------------|--|-----------------------|--|---------------------------------------------|--|--|--|
| mat'l. code |  |  |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br>INCH/MM |  | product family<br>HEADER                    |  |  |  |
| ltr         |  |  |  | ecn no                |  | dr                               |  | date                  |  | title                                       |  |  |  |
| G           |  |  |  |                       |  |                                  |  |                       |  | FRICION LATCH HEADER<br>DOUBLE ROW VERTICAL |  |  |  |
|             |  |  |  |                       |  |                                  |  |                       |  | dwg no                                      |  |  |  |
|             |  |  |  |                       |  |                                  |  |                       |  | sheet 2 of 2 size                           |  |  |  |
|             |  |  |  |                       |  |                                  |  |                       |  | A3                                          |  |  |  |
|             |  |  |  |                       |  |                                  |  |                       |  | type                                        |  |  |  |
|             |  |  |  |                       |  |                                  |  |                       |  | Product Customer Drawing                    |  |  |  |
| sheet index |  |  |  | revision sheet        |  |                                  |  |                       |  |                                             |  |  |  |

form: A3