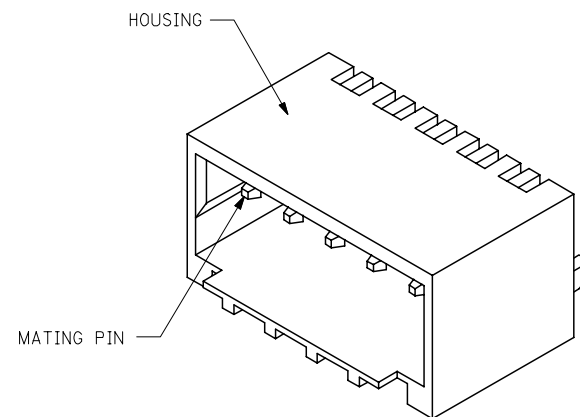
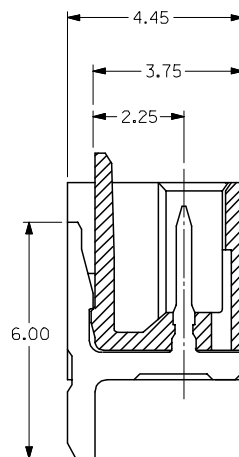
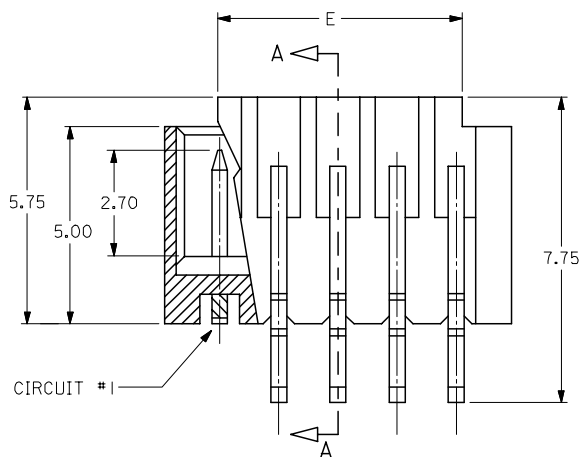
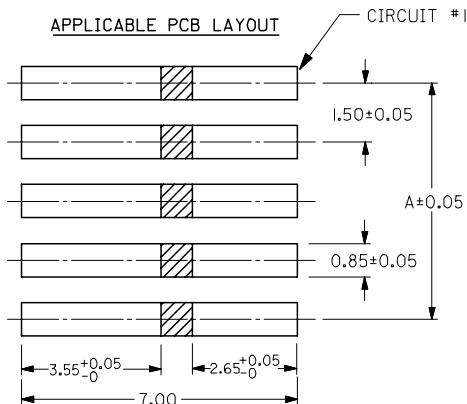
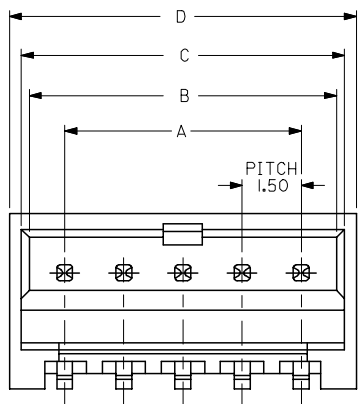




# NOTES:

1. MATERIALS:  
HOUSING : GLASS-FILLED NYLON (PA46), UL RATED 94V-0, COLOR: BEIGE  
PINS: BRASS ALLOY, C26000
2. PLATING: 2.54MM MIN. TIN/LEAD OR TIN OVER 1.27MM MIN. NICKEL.
3. DRAWING SHOWS PLUG WITH 5 CIRCUITS.
4. HEADER TO BE USED WITH CRIMP HOUSING, P/N 87439 AND CRIMP TERMINAL, P/N 87421

| UPDATE REVISION                                                                                      | DESCRIPTION |
|------------------------------------------------------------------------------------------------------|-------------|
| EC NO: S2005-0714<br>2005/10/19<br>DRWN:KSEE<br>CHKD:BLHOW<br>2005/10/19<br>APPR:PTLIM<br>2005/11/05 |             |
| C1                                                                                                   | REV         |

| QUALITY SYMBOLS |
|-----------------|
| ▽=0             |
| ▽=0             |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        |       |
|------------------------------------------------------------|--------|-------|
|                                                            | mm     | INCH  |
| 4 PLACES                                                   | ± ---  | ± --- |
| 3 PLACES                                                   | ± ---  | ± --- |
| 2 PLACES                                                   | ± 0.20 | ± --- |
| 1 PLACE                                                    | ± ---  | ± --- |
| ANGULAR ± 3 °                                              |        |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       |

| DIMENSION STYLE        | SCALE              | DESIGN UNITS                                                      | THIRD ANGLE PROJECTION |
|------------------------|--------------------|-------------------------------------------------------------------|------------------------|
| MM ONLY                | NTS                | METRIC                                                            |                        |
| DRAWN BY<br>KCLING     | DATE<br>1994/04/08 | TITLE<br>SALES DRAWING<br>1.50MM PITCH, W-T-B<br>HEADER, R/A, SMT |                        |
| CHECKED BY<br>SKTOH    | DATE<br>1994/04/21 |                                                                   |                        |
| APPROVED BY<br>ROYWONG | DATE<br>1994/04/24 | MOLEX INCORPORATED                                                |                        |
| MATERIAL NO.           | DOCUMENT NO.       |                                                                   |                        |
| SIZE<br>A3             | SEE TABLE          | SD-87438-**31                                                     | SHEET NO.<br>1 OF 3    |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        |                               |                                                                                                                                                                                                                                 |                                                                                                                                                    |                       |                        |                        |                                                                                |       |                     |   |   |
|-------------------------------------------------------------------------------------------------------------------------------|----|---|---|---|---|---|---|---|---|---|---|----------------|------------------------|------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|------------------------|--------------------------------------------------------------------------------|-------|---------------------|---|---|
|                                                                                                                               | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |                |                        |                        |                               |                                                                                                                                                                                                                                 |                                                                                                                                                    |                       |                        |                        |                                                                                |       |                     |   |   |
| F                                                                                                                             | E  | D | C | B | A | F | E | D | C | B | A | HOUSING COLOUR | LEAD FREE TERMINAL P/N | HEADER IN TUBE PACKING | HEADER IN TAPE & REEL         | TIN/ LEAD TERMINAL P/N                                                                                                                                                                                                          | HEADER IN TUBE PACKING                                                                                                                             | HEADER IN TAPE & REEL | STATUS                 | CKT SIZE               | A                                                                              | B     | C                   | D | E |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   | BIEGE          | 87438-8084             | 87438-8082             | 87438-0232                    | 87438-0233                                                                                                                                                                                                                      | M                                                                                                                                                  | 2                     | 1.50                   | 3.30                   | 3.70                                                                           | 4.30  | 1.70                |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0332                    | 87438-0333                                                                                                                                                                                                                      | M                                                                                                                                                  | 3                     | 3.00                   | 4.80                   | 5.20                                                                           | 5.80  | 3.20                |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0432                    | 87438-0433                                                                                                                                                                                                                      | M                                                                                                                                                  | 4                     | 4.50                   | 6.30                   | 6.70                                                                           | 7.30  | 4.70                |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0532                    | 87438-0533                                                                                                                                                                                                                      | M                                                                                                                                                  | 5                     | 6.00                   | 7.80                   | 8.20                                                                           | 8.80  | 6.20                |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0632                    | 87438-0633                                                                                                                                                                                                                      | M                                                                                                                                                  | 6                     | 7.50                   | 9.30                   | 9.70                                                                           | 10.30 | 7.70                |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0732                    | 87438-0733                                                                                                                                                                                                                      | M                                                                                                                                                  | 7                     | 9.00                   | 10.80                  | 11.20                                                                          | 11.80 | 9.20                |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0832                    | 87438-0833                                                                                                                                                                                                                      | M                                                                                                                                                  | 8                     | 10.50                  | 12.30                  | 12.70                                                                          | 13.30 | 10.70               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-0932                    | 87438-0933                                                                                                                                                                                                                      | M                                                                                                                                                  | 9                     | 12.00                  | 13.80                  | 14.20                                                                          | 14.80 | 12.20               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-1032                    | 87438-1033                                                                                                                                                                                                                      | M                                                                                                                                                  | 10                    | 13.50                  | 15.30                  | 15.70                                                                          | 16.30 | 13.70               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-1132                    | 87438-1133                                                                                                                                                                                                                      | M                                                                                                                                                  | 11                    | 15.00                  | 16.80                  | 17.20                                                                          | 17.80 | 15.20               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-1232                    | 87438-1233                                                                                                                                                                                                                      | M                                                                                                                                                  | 12                    | 16.50                  | 18.30                  | 18.70                                                                          | 19.30 | 16.70               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-1332                    | 87438-1333                                                                                                                                                                                                                      | M                                                                                                                                                  | 13                    | 18.00                  | 19.80                  | 20.20                                                                          | 20.80 | 18.20               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-1432                    | 87438-1433                                                                                                                                                                                                                      | M                                                                                                                                                  | 14                    | 19.50                  | 21.30                  | 21.70                                                                          | 22.30 | 19.70               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | 87438-1532                    | 87438-1533                                                                                                                                                                                                                      | M                                                                                                                                                  | 15                    | 21.00                  | 22.80                  | 23.20                                                                          | 23.80 | 21.20               |   |   |
|                                                                                                                               |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | LEAD FREE                     |                                                                                                                                                                                                                                 |                                                                                                                                                    |                       |                        | TIN/LEAD               |                                                                                |       |                     |   |   |
| UPDATE REVISION<br>EC NO: S2005-0714<br>DRW:KSEE 2005/10/19<br>CHKD:BHLW 2005/10/19<br>APPR:PTLIM 2005/10/21<br>C1            |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.20 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 3 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>KCL ING 1994/04/08<br>CHECKED BY DATE<br>SKTOH 1994/04/21<br>APPROVED BY DATE<br>ROYWONG 1994/04/21 | SCALE<br>NTS          | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION | SALES DRAWING<br>1.50MM PTICH, W-T-B<br>HEADER, R/A, SMT<br>MOLEX INCORPORATED |       | SHEET NO.<br>2 OF 3 |   |   |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |   |   |   |   |   |   |   |   |   |   |                |                        |                        |                               |                                                                                                                                                                                                                                 |                                                                                                                                                    |                       |                        |                        |                                                                                |       |                     |   |   |

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Rev. D 2004/04/02

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