

## Excellent Integrated System Limited

Stocking Distributor

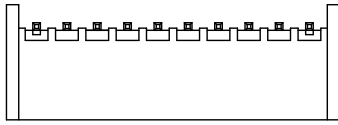
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0894010510](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

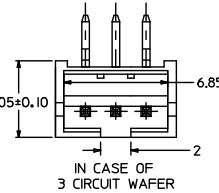
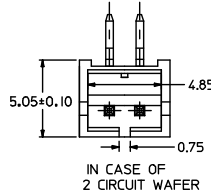
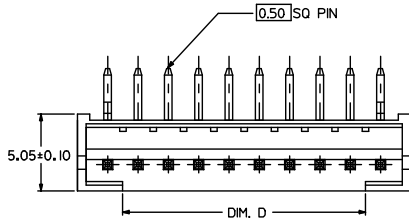
10 9 8 7 6 5 4 3 2 1



KINK TO BE APPLIED AS FOLLOW

| CKT NO.<br>CKT | 1 | 2 | 3 | 4 | 5 | N-2 | N-1 | N |
|----------------|---|---|---|---|---|-----|-----|---|
| 6 CKT          | ① | — | — | — | — | —   | —   | ① |
| 5 CKT          | ① | — | — | ① | — | —   | —   | — |
| 4 CKT          | ① | — | — | ① | — | —   | —   | — |
| 3 CKT          | ① | — | ① | — | — | —   | —   | — |
| 2 CKT          | ① | ① | — | — | — | —   | —   | — |

| CIRCUITS | ORDER NO.  | DIM. C | DIM. D | DIM. A | REMARK     |
|----------|------------|--------|--------|--------|------------|
| 2        | 89401-021* | 2.00   | 0.75   | 6.00   |            |
| 3        | 89401-031* | 4.00   | 2.00   | 8.00   |            |
| 4        | 89401-041* | 6.00   | 4.00   | 10.00  |            |
| 5        | 89401-051* | 8.00   | 6.00   | 12.00  |            |
|          | 89401-0520 |        |        |        | VOID PIN 4 |
| 6        | 89401-061* | 10.00  | 8.00   | 14.00  |            |
| 7        | 89401-071* | 12.00  | 10.00  | 16.00  |            |
| 8        | 89401-081* | 14.00  | 12.00  | 18.00  |            |
| 9        | 89401-091* | 16.00  | 14.00  | 20.00  |            |
| 10       | 89401-101* | 18.00  | 16.00  | 22.00  |            |
|          | 89401-1020 |        |        |        | VOID PIN 7 |
| 11       | 89401-111* | 20.00  | 18.00  | 24.00  |            |
| 12       | 89401-121* | 22.00  | 20.00  | 26.00  |            |
| 13       | 89401-131* | 24.00  | 22.00  | 28.00  |            |
| 14       | 89401-141* | 26.00  | 24.00  | 30.00  |            |
| 15       | 89401-151* | 28.00  | 26.00  | 32.00  |            |
| 16       | 89401-161* | 30.00  | 28.00  | 34.00  |            |

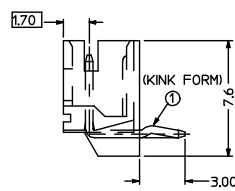
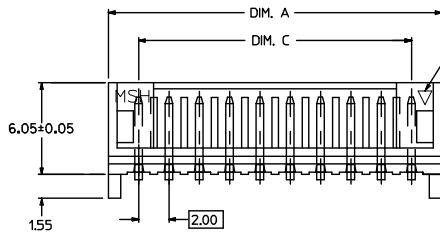


PART NO. LEGEND

89401 - \*\* 1(2) \*

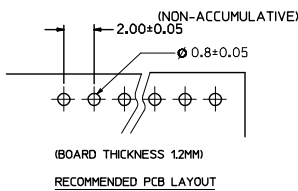
CKT SIZE

COLOR OPTION  
0 - NATURAL (WHITE)  
2 - RED  
3 - YELLOW  
4 - BLUE  
6 - GREEN  
7 - BLACK



NOTE:

1. PRODUCT SPEC. PS-87369-0001 APPLIES.
2. BULK PACK IN PVC BAG WITH 1000 PCS PER BAG.
3. MATERIAL :  
HOUSING - NYLON 66 94V0.COLOR: SEE OPTION  
TERMINAL - BRASS
4. FINISH :  
TERMINAL - TIN THICKNESS 1.27-2.54 MICROMETER OVER  
NICKEL THICKNESS 2.54 MICROMETER MIN OVERALL  
COPPER THICKNESS 1.07 MICROMETER MIN OVERALL



(BOARD THICKNESS 1.2MM)

RECOMMENDED PCB LAYOUT

|             |                    |            |
|-------------|--------------------|------------|
| NEW RELEASE | EC NO: SH2006-0287 | 2005/12/06 |
| DRW: NPH    | CHK: HARVEY        | 2005/12/08 |
| APPR: GCHEN |                    | 2005/12/09 |

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

| GENERAL TOLERANCES (UNLESS SPECIFIED) |        |
|---------------------------------------|--------|
|                                       | mm     |
| 4 PLACES                              | ± 0.25 |
| 3 PLACES                              | ± 0.25 |
| 2 PLACES                              | ± 0.25 |
| 1 PLACE                               | ± 0.25 |
| ANGULAR                               | ± 3°   |

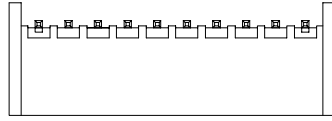
| DIMENSION STYLE |            |
|-----------------|------------|
| MM ONLY         |            |
| DRAWN BY        | DATE       |
| SAM SHIN        | 1998/10/22 |
| CHECKED BY      | DATE       |
| APPROVED BY     | DATE       |

|              |        |
|--------------|--------|
| SCALE        | 1:4    |
| DESIGN UNITS | METRIC |

|                                                                                                                               |                |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|
| THIRD ANGLE PROJECTION                                                                                                        |                |
| 2.0MM WIRE-BOARD<br>RIGHT ANGLE HEADER                                                                                        |                |
| MOLEX INCORPORATED                                                                                                            |                |
| MATERIAL NO.                                                                                                                  | DOCUMENT NO.   |
| SEE CHART                                                                                                                     | SD-89401-***1* |
| SIZE                                                                                                                          | A3             |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                |

9 8 7 6 5 4 3 2 1

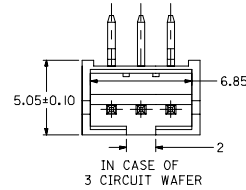
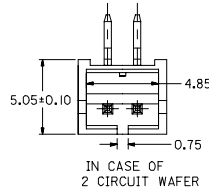
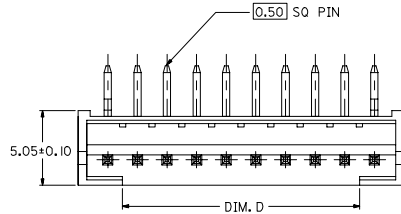
10 9 8 7 6 5 4 3 2 1



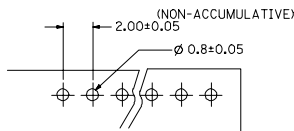
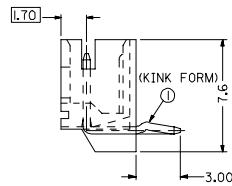
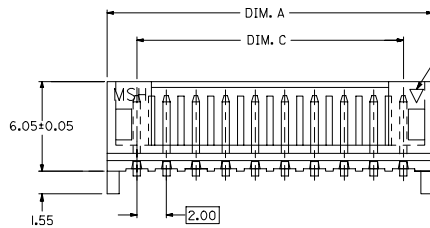
KINK TO BE APPLIED AS FOLLOW,

| CKT NO. | 1 | 2 | 3 | 4 | 5 | N-2 | N-1 | N |
|---------|---|---|---|---|---|-----|-----|---|
| 6 CKT   | ① | — | — | — | — | —   | —   | ① |
| 5 CKT   | ② | — | — | — | ① | —   | —   | — |
| 4 CKT   | ③ | — | — | ① | — | —   | —   | — |
| 3 CKT   | ④ | — | ① | — | — | —   | —   | — |
| 2 CKT   | ⑤ | ① | — | — | — | —   | —   | — |

| CIRCUITS | ORDER NO.  | DIM. C | DIM. D | DIM. A |
|----------|------------|--------|--------|--------|
| 2        | 89401-0210 | 2.00   | 0.75   | 6.00   |
| 3        | 89401-0310 | 4.00   | 2.00   | 8.00   |
| 4        | 89401-0410 | 6.00   | 4.00   | 10.00  |
| 5        | 89401-0510 | 8.00   | 6.00   | 12.00  |
| 6        | 89401-0610 | 10.00  | 8.00   | 14.00  |
| 7        | 89401-0710 | 12.00  | 10.00  | 16.00  |
| 8        | 89401-0810 | 14.00  | 12.00  | 18.00  |
| 9        | 89401-0910 | 16.00  | 14.00  | 20.00  |
| 10       | 89401-1010 | 18.00  | 16.00  | 22.00  |
| 11       | 89401-1110 | 20.00  | 18.00  | 24.00  |
| 12       | 89401-1210 | 22.00  | 20.00  | 26.00  |
| 13       | 89401-1310 | 24.00  | 22.00  | 28.00  |
| 14       | 89401-1410 | 26.00  | 24.00  | 30.00  |
| 15       | 89401-1510 | 28.00  | 26.00  | 32.00  |



- NOTE:
1. PRODUCT SPEC. PS-87369-0001 APPLIES.
  2. BULK PACK IN PVC BAG WITH 1000 PCS PER BAG.
  3. MATERIAL :  
HOUSING - NYLON 66 94V0, NATURAL  
TERMINAL - TIN PLATED NICKEL



(BOARD THICKNESS 1.2MM)  
RECOMMENDED PCB LAYOUT

|                                                                                                                     |                                   |                                                            |  |                                                                                                                               |            |                                                 |                                                                                                          |                                                                                                              |                     |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------|
| NEW RELEASE<br>EC NO: SH2006-0287<br>2005/12/06<br>DRINKHILL<br>2005/12/08<br>CHKDHARVEY<br>2005/12/09<br>APPRGCHEN | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE                                                                                                               |            | SCALE                                           | DESIGN UNITS                                                                                             |  THIRD ANGLE PROJECTION |                     |
|                                                                                                                     |                                   |                                                            |  | IN/MM                                                                                                                         |            |                                                 | INCH                                                                                                     |                                                                                                              |                     |
|                                                                                                                     |                                   | mm                                                         |  | DRAWN BY                                                                                                                      | DATE       | TITLE<br><br>2.0MM WIRE TO BOARD<br>RIGHT ANGLE |                                                                                                          |                                                                                                              |                     |
|                                                                                                                     |                                   | INCH                                                       |  | SAM SHIN                                                                                                                      | 1998/10/22 |                                                 |                                                                                                          |                                                                                                              |                     |
|                                                                                                                     |                                   | 4 PLACES ± --- ± ---                                       |  | CHECKED BY                                                                                                                    |            |                                                 |                                                                                                          |                                                                                                              | DATE                |
|                                                                                                                     |                                   | 3 PLACES ± --- ± ---                                       |  | APPROVED BY                                                                                                                   |            | DATE                                            |  MOLEX INCORPORATED |                                                                                                              |                     |
|                                                                                                                     |                                   | 2 PLACES ± --- ± ---                                       |  |                                                                                                                               |            |                                                 |                                                                                                          |                                                                                                              |                     |
|                                                                                                                     |                                   | 1 PLACE ± --- ± ---                                        |  |                                                                                                                               |            |                                                 |                                                                                                          |                                                                                                              |                     |
|                                                                                                                     |                                   | ANGULAR ± --- °                                            |  | MATERIAL NO.                                                                                                                  |            | DOCUMENT NO.                                    |                                                                                                          |                                                                                                              | SHEET NO.<br>1 OF 1 |
|                                                                                                                     |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE TABLE                                                                                                                     |            | SD-89401-**-10                                  |                                                                                                          |                                                                                                              |                     |
| SIZE<br>A3                                                                                                          |                                   |                                                            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |                                                 |                                                                                                          |                                                                                                              |                     |