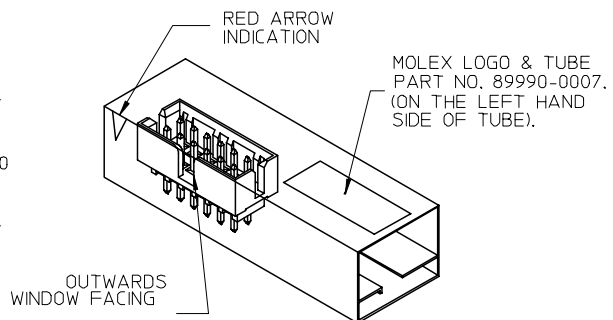
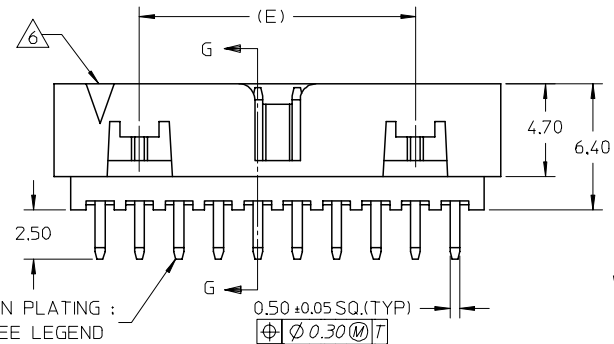


| P/N IN TUBE | CKT SIZE | DIMENSION | | | | |
|-------------|----------|-----------|-------|-------|-------|-------|
| | | A | B | C | D | E |
| 87831-042* | 4 | 2.00 | 4.85 | 6.65 | 5.00 | — |
| 87831-062* | 6 | 4.00 | 6.85 | 8.65 | 7.00 | — |
| 87831-082* | 8 | 6.00 | 8.85 | 10.65 | 9.00 | — |
| 87831-102* | 10 | 8.00 | 10.85 | 12.65 | 11.00 | — |
| 87831-122* | 12 | 10.00 | 12.85 | 14.65 | 13.00 | — |
| 87831-142* | 14 | 12.00 | 14.85 | 16.65 | 15.00 | 8.00 |
| 87831-162* | 16 | 14.00 | 16.85 | 18.65 | 17.00 | 10.00 |
| 87831-182* | 18 | 16.00 | 18.85 | 20.65 | 19.00 | 12.00 |
| 87831-202* | 20 | 18.00 | 20.85 | 22.65 | 21.00 | 14.00 |
| 87831-222* | 22 | 20.00 | 22.85 | 24.65 | 23.00 | 16.00 |
| 87831-242* | 24 | 22.00 | 24.85 | 26.65 | 25.00 | 18.00 |
| 87831-262* | 26 | 24.00 | 26.85 | 28.65 | 27.00 | 20.00 |
| 87831-282* | 28 | 26.00 | 28.85 | 30.65 | 29.00 | 22.00 |
| 87831-302* | 30 | 28.00 | 30.85 | 32.65 | 31.00 | 24.00 |
| 87831-322* | 32 | 30.00 | 32.85 | 34.65 | 33.00 | 26.00 |
| 87831-342* | 34 | 32.00 | 34.85 | 36.65 | 35.00 | 28.00 |
| 87831-362* | 36 | 34.00 | 36.85 | 38.65 | 37.00 | 30.00 |
| 87831-382* | 38 | 36.00 | 38.85 | 40.65 | 39.00 | 32.00 |
| 87831-402* | 40 | 38.00 | 40.85 | 42.65 | 41.00 | 34.00 |
| 87831-422* | 42 | 40.00 | 42.85 | 44.65 | 43.00 | 36.00 |
| 87831-442* | 44 | 42.00 | 44.85 | 46.65 | 45.00 | 38.00 |
| 87831-462* | 46 | 44.00 | 46.85 | 48.65 | 47.00 | 40.00 |
| 87831-482* | 48 | 46.00 | 48.85 | 50.65 | 49.00 | 42.00 |
| 87831-502* | 50 | 48.00 | 50.85 | 52.65 | 51.00 | 44.00 |



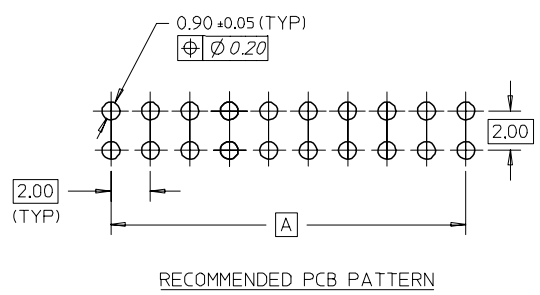
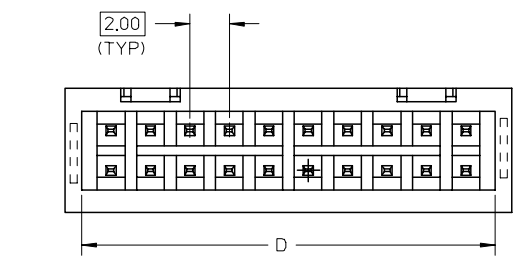
ORIENTATION OF PART IN TUBE.
(FOR THE REFERENCE OF PART/TUBE ASSEMBLY.)

PART NUMBER LEGEND :

- 87831 - * * * * *
- PLATING OPTION
- 20 - 0.38um/15uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN, NICKEL OVERALL.
 - 21 - 0.76um/30uin GOLD IN CONTACT AREA AND 1.88um/75uin MIN.TIN IN SOLDER TAIL AREA OVER 1.27um/50uin MIN, NICKEL OVERALL.

NOTES:

- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
- MATERIAL :
HOUSING : 30% G.F., NYLON 46, UL94V-0, COLOR BLACK.
PIN : 0.50MM SQ.PHOSPHOR BRONZE.
- PRODUCT SPECIFICATION PS-87331 APPLIES.
- NO CENTRE POLARIZATION SLOT FOR CKT SIZE 4 AND 6.
- NO SIDE LOCKING SLOT FROM 4 TO 12 CKT SIZE.
- CKT 4 & 6 HAS NO IDENTIFICATION TAG.
- REFER TO PART 87831-**4* FOR CENTRE LOCKING SLOT OPTION FOR 4 TO 12 CKT.



| | | | | | | | |
|---|-----------------------------------|---------------------------------------|----------------------|-----------------------------------|---------------------|--|--------------------|
| EC NO: S2004-0188 DRAWN: ATSEE 2003/12/12 CHKD: KCLING 2003/12/12 APPR: SKTOH 2003/12/15 | QUALITY SYMBOLS ▽ = 0 ∇ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | REVISE ON CAD ONLY |
| | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± --- | mm | INCH | DIMENSION STYLE MM ONLY | |
| A | REV | 2 PLACES ± 0.2 ± --- | 1 PLACE ± --- ± --- | DRAWN BY ATSEE DATE 2003/10/03 | | TITLE MILLIGRID VERTICAL SHROUDED HEADER WITH SLOT AND STANDOFF. | |
| | | ANGULAR ± 3 ° | | CHECKED BY KCLING DATE 2003/11/07 | | MOLEX MOLEX INCORPORATED | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPROVED BY SKTOH DATE 2003/11/07 | | MATERIAL NO. SEE TABLE | | DOCUMENT NO. SD-87831-011 | SHEET NO. 1 OF 1 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | |