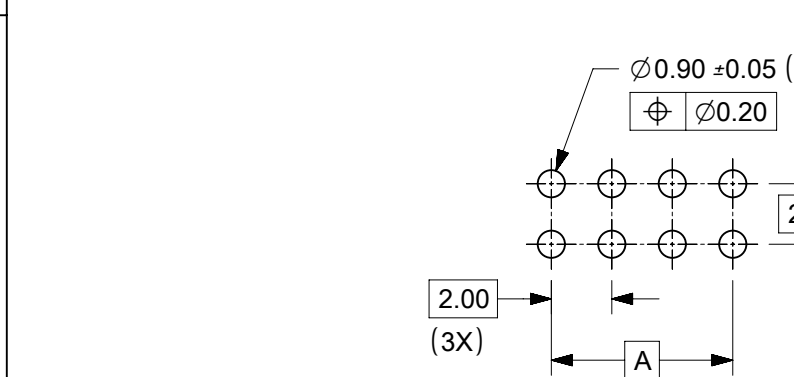
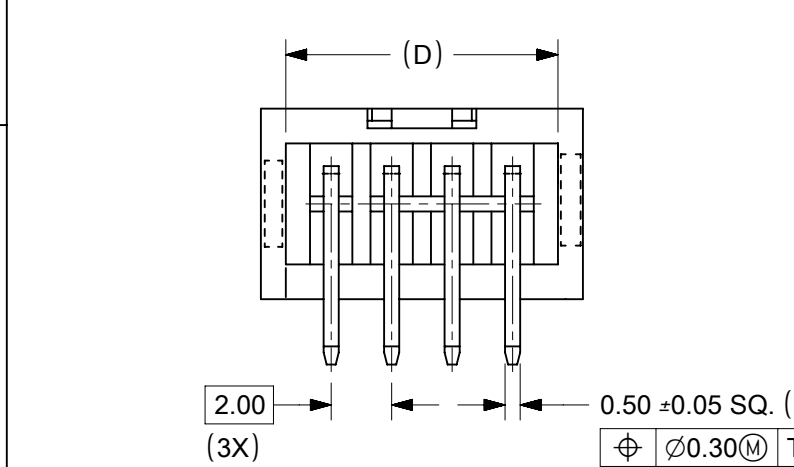
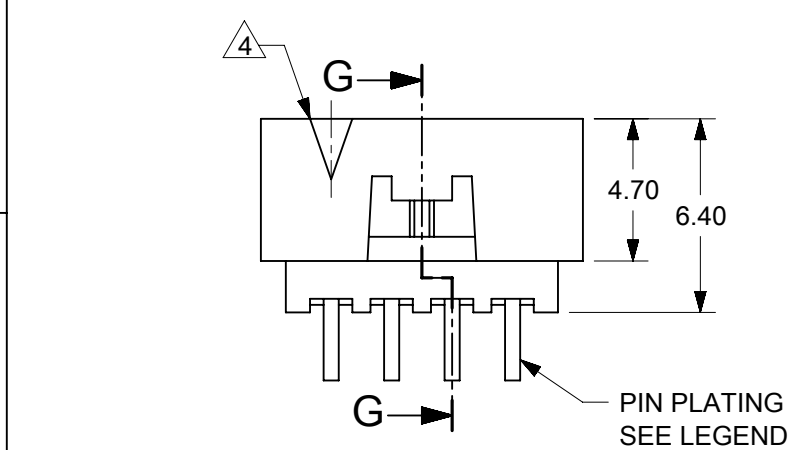
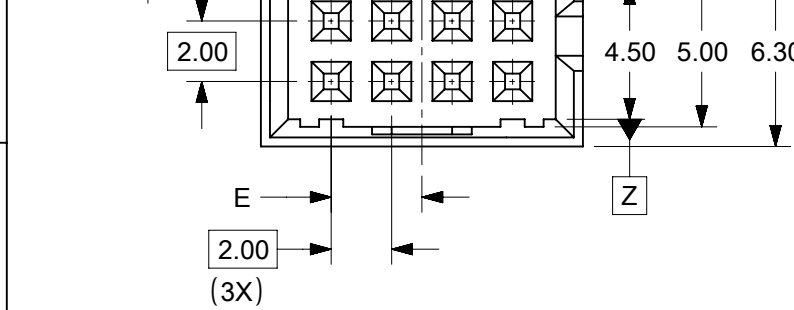
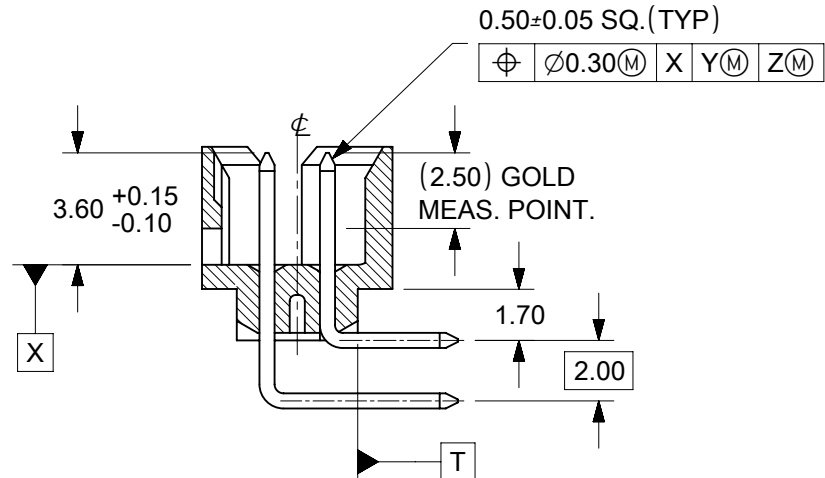


| PART NO.   |  | CKT SIZE | DIMENSION |       |       |       |      |
|------------|--|----------|-----------|-------|-------|-------|------|
|            |  |          | A         | B     | C     | D     | E    |
| 87833-043* |  | 4        | 2.00      | 4.85  | 6.65  | 5.00  | 1.00 |
| 87833-063* |  | 6        | 4.00      | 6.85  | 8.65  | 7.00  | 2.00 |
| 87833-083* |  | 8        | 6.00      | 8.85  | 10.65 | 9.00  | 3.00 |
| 87833-103* |  | 10       | 8.00      | 10.85 | 12.65 | 11.00 | 4.00 |
| 87833-123* |  | 12       | 10.00     | 12.85 | 14.65 | 13.00 | 5.00 |



RECOMMENDED PCB PATTERN



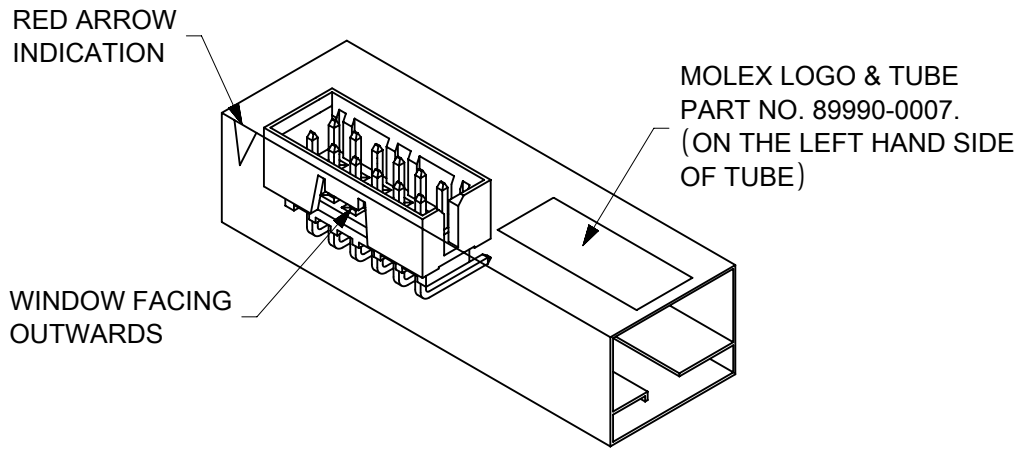
SECTION G-G

PART NUMBER LEGEND

87833 - \* \* 3 \*

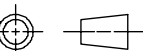
CKT SIZE      PLATING OPTION

- 3 - 0.38µm/15µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN.  
TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN.  
NICKEL OVERALL.
- 4- 0.76µm/30µin GOLD IN CONTACT AREA AND 1.88µm/75µin MIN.  
TIN IN SOLDER TAIL AREA OVER 1.27µm/50µin MIN.  
NICKEL OVERALL.



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

- NOTES:
- FOR ILLUSTRATION PURPOSES, 8 CKT. SIZE WAFER IS SHOWN.
  - MATERIAL:  
HOUSING: 30% GF, NYLON 46  
UL 94v-0, COLOR BLACK  
PIN : 0.50mm SQ. PHOSPHOR BRONZE
  - PIN PUSHOUT FORCE 0.91kg MIN.
  - CKT 4 & 6 HAS NO IDENTIFICATION TAG.
  - PRODUCT SPECIFICATION PS-87831-027 APPLIES.
  - THIS HEADER MATES WITH MOLEX:  
a) CRIMP RECEPTACLE HOUSING, 51110  
SERIES WITH CRIMP TERMINAL, 50394 SERIES.  
b) 2mm MILLIGRID DUAL ROW IDT, 87568 SERIES.
  - PARTS TO BE PACKED IN TUBE WITH MOISTURE BARRIER BAG.
  - NO CENTRE POLARIZATION SLOT FOR CKT 4 AND 6.

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                        |                                                            |   |                 |                 |          |                                                                                       |            |               |                                                                     |                 |              |                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|---|-----------------|-----------------|----------|---------------------------------------------------------------------------------------|------------|---------------|---------------------------------------------------------------------|-----------------|--------------|----------------|--|
| MIGRTAED TO ECTR<br>EC NO: 170067<br>DRWN: MUM<br>CHK'D: CD<br>REV APPR: GGA                                                                  | 2017/07/19<br>2018/04/24<br>2018/04/24 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |   |                 | DIMENSION UNITS |          | SCALE                                                                                 |            | <b>molex®</b> |                                                                     |                 |              |                |  |
|                                                                                                                                               |                                        |                                                            |   |                 | MM              |          | NTS                                                                                   |            |               |                                                                     |                 |              |                |  |
|                                                                                                                                               |                                        | 4 PLACES                                                   | ± | MM              | INCH            | DRWN BY  |                                                                                       | DATE       |               | MGRID, SHROUDED HEADER<br>W/LOCKING FEATURE & SINGLE SIDE SLOT, R/A |                 |              |                |  |
|                                                                                                                                               |                                        | 3 PLACES                                                   | ± |                 |                 | ATSEE    |                                                                                       | 2004/09/08 |               |                                                                     |                 |              |                |  |
|                                                                                                                                               |                                        | 2 PLACES                                                   | ± | 0.2             | ±               | CHK'D BY |                                                                                       | DATE       |               |                                                                     |                 |              |                |  |
|                                                                                                                                               |                                        | 1 PLACES                                                   | ± |                 | ±               | KCLING   |                                                                                       | 2004/09/23 |               |                                                                     |                 |              |                |  |
|                                                                                                                                               |                                        | 0 PLACES                                                   | ± |                 | ±               | APPR BY  |                                                                                       | DATE       |               | PRODUCT CUSTOMER DRAWING                                            |                 |              |                |  |
|                                                                                                                                               |                                        | ANGULAR TOL ± 3.0                                          |   |                 | SKTOH           |          | 2004/09/23                                                                            |            |               |                                                                     |                 |              |                |  |
|                                                                                                                                               |                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |   |                 | DRAWING SIZE    |          | THIRD ANGLE PROJECTION                                                                |            | SERIES        |                                                                     | MATERIAL NUMBER |              | CUSTOMER       |  |
|                                                                                                                                               |                                        |                                                            |   |                 | A3              |          |  |            | 87833         |                                                                     | SEE TABLE       |              | GENERAL MARKET |  |
| A4                                                                                                                                            | REV                                    |                                                            |   | DOCUMENT NUMBER |                 |          |                                                                                       | DOC TYPE   |               | DOC PART                                                            |                 | SHEET NUMBER |                |  |
|                                                                                                                                               |                                        |                                                            |   | SD-87833-037    |                 |          |                                                                                       | PSD        |               | 001                                                                 |                 | 1 OF 1       |                |  |