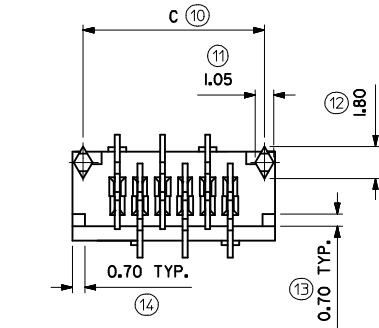
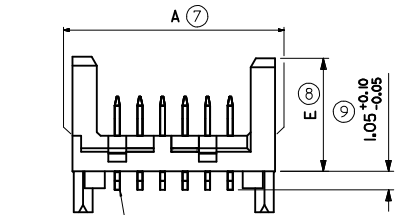
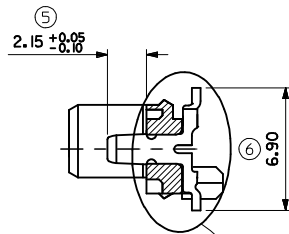
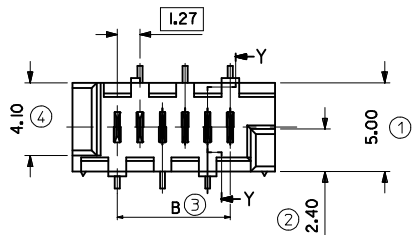




- NOTES:
- 1) MATERIAL: HOUSING: NYLON (PA) GLASS FILLED. UL94 V-0, NATURAL (BEIGE)  
TERMINAL - CARTRIDGE BRASS 0.28 REF THICK
  - 2) PLATING:  
TIN: TIN (Sn) 3-5 MICROMETRE OVER 1.27 MICROMETRE MIN NICKEL(Ni).  
PALLADIUM NICKEL (PdNi): 0.6 MICROMETRE SELECTIVE PdNi WITH 0.05 MICROMETRE GOLD FLASH  
IN CONTACT AREA AND 3-5 MICROMETRE SELECTIVE TIN IN SOLDER TAIL AREA  
OVER 1.27 MICROMETRE NICKEL(Ni) UNDERCOAT.
  - 3) MATES WITH MOLEX 90327 PART SERIES.
  - 4) ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF  
0.0 - 0.10 REF. FROM EACH OTHER.
  - 5) FOR TAPE AND REEL PACKAGING SEE SDA-90814-9001  
FOR TUBE PACKAGING SEE PK-90814-001
  - 6) PCB PEGS ARE OPTIONAL.
  - 7) PCB LAYOUT SHOWN ON SHEET 2.
  - 8) PRODUCT SPECIFICATION: PS-99020-0011
- INSPECTION NUMBERS USED ON SHEET 1: 1-50  
LAST INSPECTION NUMBER: 16

SECTION Y-Y

SEE NOTE 4

(SCALE 10:1)

SEE NOTE 6

90814 - \*\*  
CIRCUIT SIZE

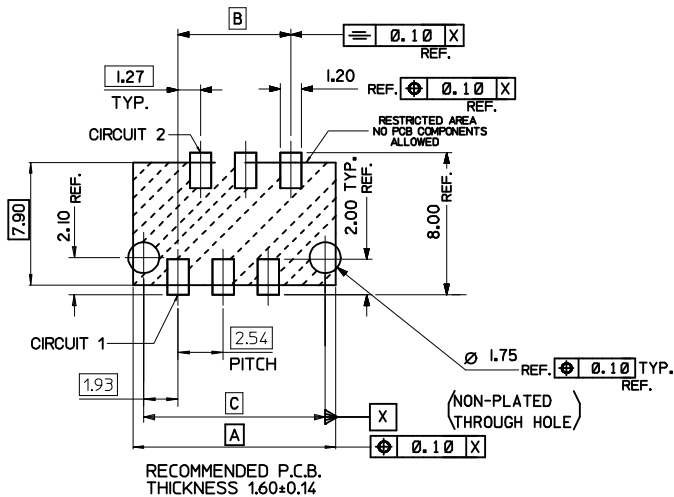
|   | PCB<br>PEGS | TUBE<br>PACKED | TAPE & REEL<br>PACKED | POLARIZING<br>PEG HEIGHT<br>DIMN. E |
|---|-------------|----------------|-----------------------|-------------------------------------|
| 0 | YES         | YES            | NO                    | 6.40                                |
| 2 | YES         | NO             | YES                   | 6.40                                |
| 3 | NO          | YES            | NO                    | 6.40                                |
| 5 | NO          | NO             | YES                   | 6.40                                |
| 6 | NO          | YES            | NO                    | 4.10                                |
| 7 | NO          | NO             | YES                   | 4.10                                |
| 8 | YES         | YES            | NO                    | 4.10                                |
| 9 | YES         | NO             | YES                   | 4.10                                |

0= 3-5 MICROMETRE TIN VERSION

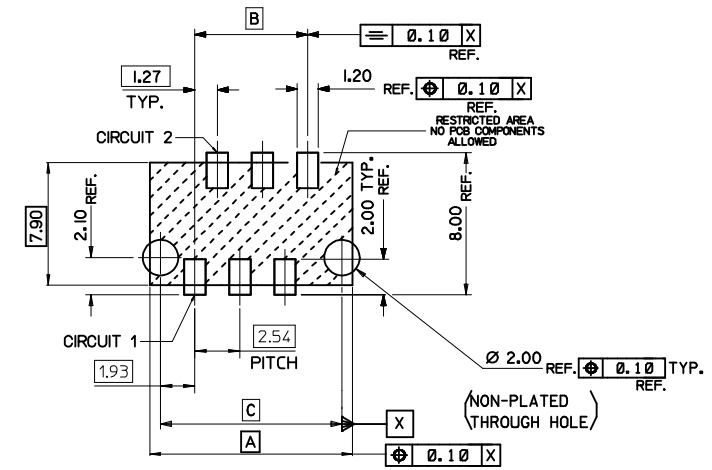
3= 0.6 MICROMETRE PALLADIUM NICKEL VERSION

|             |                      |         |         |         |                                                                         |        |
|-------------|----------------------|---------|---------|---------|-------------------------------------------------------------------------|--------|
| 90814-**-26 | 26                   | 36.80   | 31.75   | 35.60   | 14                                                                      | YES    |
| 90814-**-24 | 24                   | 34.26   | 29.21   | 33.06   | 15                                                                      | YES    |
| 90814-**-22 | 22                   | 31.72   | 26.67   | 30.52   | 16                                                                      | YES    |
| 90814-**-20 | 20                   | 29.18   | 24.13   | 27.98   | 18                                                                      | YES    |
| 90814-**-18 | 18                   | 26.64   | 21.59   | 25.44   | 20                                                                      | YES    |
| 90814-**-16 | 16                   | 24.10   | 19.05   | 22.90   | 22                                                                      | YES    |
| 90814-**-14 | 14                   | 21.56   | 16.51   | 20.36   | 25                                                                      | YES    |
| 90814-**-12 | 12                   | 19.02   | 13.97   | 17.82   | 28                                                                      | YES    |
| 90814-**-10 | 10                   | 16.48   | 11.43   | 15.28   | 32                                                                      | YES    |
| 90814-**-08 | 8                    | 13.94   | 8.89    | 12.74   | 38                                                                      | YES    |
| 90814-**-06 | 6                    | 11.40   | 6.35    | 10.20   | 46                                                                      | YES    |
| 90814-**-04 | 4                    | 8.86    | 3.81    | 7.66    | 60                                                                      | YES    |
| PART NO.    | NUMBER<br>OF<br>CKTS | DIMN. A | DIMN. B | DIMN. C | QUANTITY OF<br>PARTS PER TUBE<br>(-0**/-*3**/-*6**<br>& -*8** VERSIONS) | TOOLED |

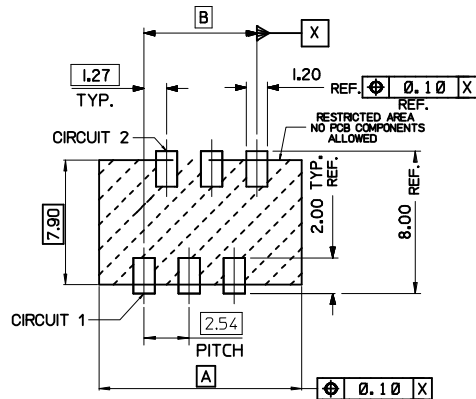
|                                                                                                                                        |                    |                                                                                                                               |                                                                                                                                                                    |                                                                                                                                                      |                          |              |                        |                        |                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|------------------------|------------------------|----------------------|--|
| REMOVED GOLD OPTION<br>EC NO: IPG2012-0576<br>DRAWN BY: RYNES 2012/03/22<br>CHKD: SMC GREVY 2012/03/29<br>APPR: EFOLAN 2012/07/17<br>Y | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0                                                                                                 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.10 ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± 1/2° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY DATE<br>DMCNAMAR 2001/08/16<br>CHECKED BY DATE<br>PCURTIN 2001/08/16<br>APPROVED BY DATE<br>EFOLAN 2010/11/04 | DIMENSION<br>SIZE A2     | SCALE<br>5:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION | PICO FLEX SMT HEADER |  |
|                                                                                                                                        |                    | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                          |                                                                                                                                                                    |                                                                                                                                                      | MATERIAL NO. SEE CHART   |              |                        | DOCUMENT NO. SDA-90814 |                      |  |
|                                                                                                                                        |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                                                    |                                                                                                                                                      | MOLEX MOLEX INCORPORATED |              |                        | SHEET NO. 1 OF 2       |                      |  |
|                                                                                                                                        |                    |                                                                                                                               |                                                                                                                                                                    |                                                                                                                                                      |                          |              |                        |                        |                      |  |



RECOMMENDED P.C.B.  
THICKNESS 1.60±0.14  
**PCB LAYOUT FOR TRANSITION FIT WITH PCB PEGS**  
HEADER VERSIONS 90814-0002-899, VIEWED FROM COMPONENT SIDE



RECOMMENDED P.C.B.  
THICKNESS 1.60±0.14  
**PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS**  
HEADER VERSIONS 90814-0002-899, VIEWED FROM COMPONENT SIDE



**PCB LAYOUT FOR HEADERS WITHOUT PCB PEGS**  
HEADER VERSIONS 90814-3005-799, VIEWED FROM COMPONENT SIDE

|            |                |         |         |         |
|------------|----------------|---------|---------|---------|
| 90814-0026 | 26             | 36.80   | 31.75   | 35.60   |
| 90814-0024 | 24             | 34.26   | 29.21   | 33.06   |
| 90814-0022 | 22             | 31.72   | 26.67   | 30.52   |
| 90814-0020 | 20             | 29.18   | 24.13   | 27.98   |
| 90814-0018 | 18             | 26.64   | 21.59   | 25.44   |
| 90814-0016 | 16             | 24.10   | 19.05   | 22.90   |
| 90814-0014 | 14             | 21.56   | 16.51   | 20.36   |
| 90814-0012 | 12             | 19.02   | 13.97   | 17.82   |
| 90814-0010 | 10             | 16.48   | 11.43   | 15.28   |
| 90814-0008 | 8              | 13.94   | 8.89    | 12.74   |
| 90814-0006 | 6              | 11.40   | 6.35    | 10.20   |
| 90814-0004 | 4              | 8.86    | 3.81    | 7.66    |
| PART NO.   | NUMBER OF CKTS | DIMN. A | DIMN. B | DIMN. C |

|                                                                                                                                         |                               |                                                                                                                                                                    |  |                                                                                                                                                            |  |                            |                               |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|-------------------------------|------------------------|
| <b>CORRECTED P.C.B. DIMS</b><br>EC NO: IPG2013-0901<br>DRN:BYRNES 2012/12/13<br>CHK:DMAHER 2013/01/22<br>APPR:STGRIFLIN 2013/01/23<br>T | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.10 ± ---<br>1 PLACE ± 0.2 ± ---<br>ANGULAR ± 1/2° |  | DIMENSION STYLE<br><b>MM ONLY</b><br>DRAWN BY DATE<br>DMCNAR 2001/08/23<br>CHECKED BY DATE<br>BMAGUIRE 2001/08/23<br>APPROVED BY DATE<br>EFOLAN 2010/11/04 |  | SCALE<br><b>5:1</b>        | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |
|                                                                                                                                         |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                                                            |  | TITLE<br><b>PICOFLEX SMT HEADER</b>                                                                                                                        |  | <b>MOLEX INCORPORATED</b>  |                               |                        |
|                                                                                                                                         |                               | SEE CHART<br>SIZE A2                                                                                                                                               |  | MATERIAL NO. DOCUMENT NO.<br><b>SDA-90814</b>                                                                                                              |  | SHEET NO.<br><b>2 OF 2</b> |                               |                        |
|                                                                                                                                         |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                      |  |                                                                                                                                                            |  |                            |                               |                        |