

90814 - \* \* \*  
CIRCUIT SIZE

|   | PCB PEGS | TUBE PACKED | TAPE & REEL PACKED | POLARIZING PEG HEIGHT DIMN. E |          |
|---|----------|-------------|--------------------|-------------------------------|----------|
| 0 | YES      | YES         | NO                 | 6.40                          | STANDARD |
| 2 | YES      | NO          | YES                | 6.40                          | PROFILE  |
| 3 | NO       | YES         | NO                 | 6.40                          | REFLOW   |
| 5 | NO       | NO          | YES                | 6.40                          | NOTE 9   |
| 6 | NO       | YES         | NO                 | 4.10                          | LOW      |
| 7 | NO       | NO          | YES                | 4.10                          | PROFILE  |
| 8 | YES      | YES         | NO                 | 4.10                          | REFLOW   |
| 9 | YES      | NO          | YES                | 4.10                          | NOTE 9   |

0= 3-5 MICROMETRE TIN VERSION  
3= 0.76µm GOLD PLATING

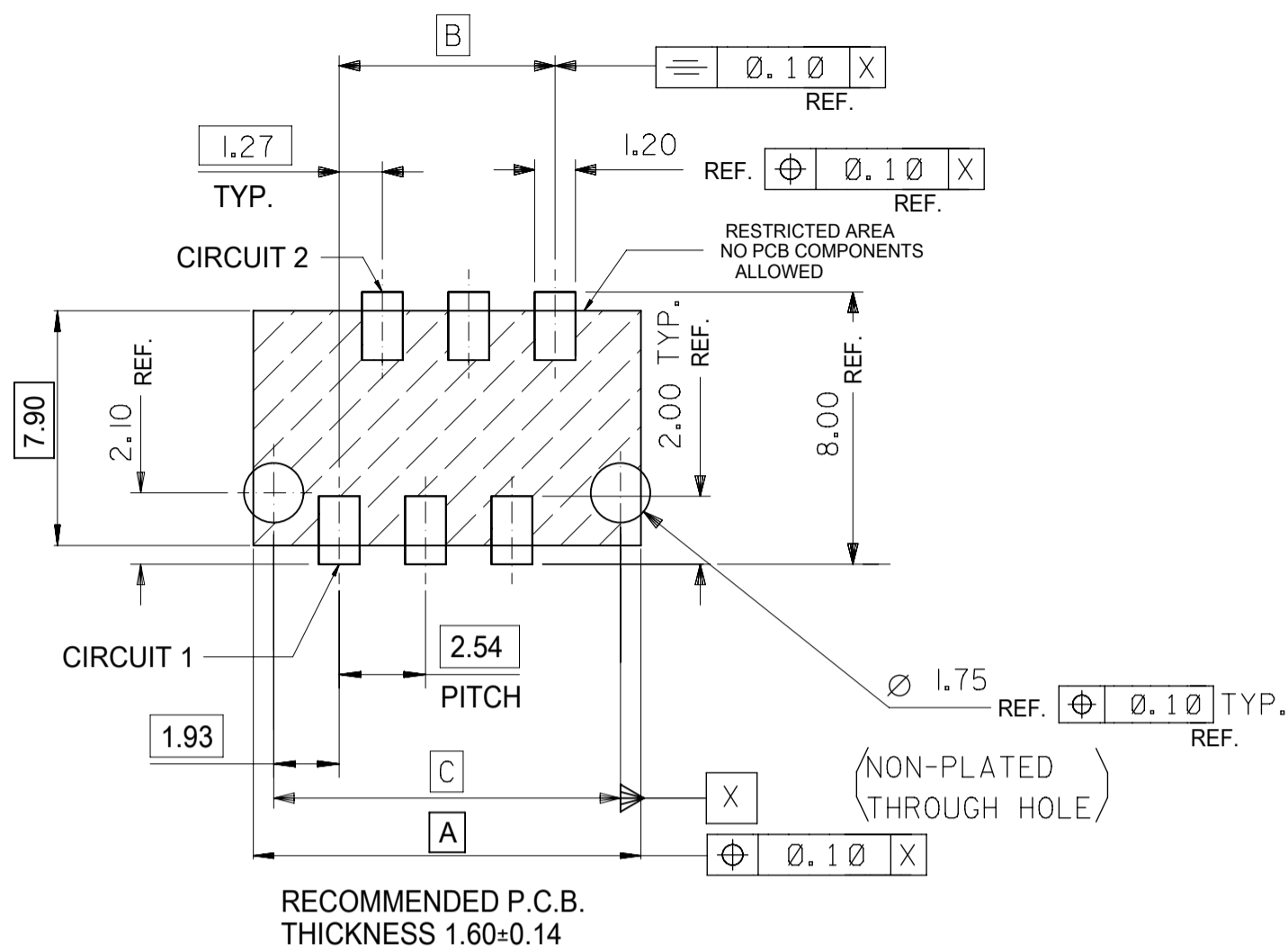
|             |                |         |         |         |   |        |
|-------------|----------------|---------|---------|---------|---|--------|
| 90814-**-26 | 26             | 36.80   | 31.75   | 35.60   | 14  | YES    |
| 90814-**-24 | 24             | 34.26   | 29.21   | 33.06   | 15  | YES    |
| 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 OF CKTS | DIMN. A | DIMN. B | DIMN. C | QUANTITY OF PARTS PER TUBE (-*0**/-*3**/-*6** & -*8** VERSIONS) | TOOLED |

- NOTES:
- MATERIAL: HOUSING: NYLON (PA) GLASS FILLED. UL94 V-0, NATURAL (BEIGE)  
TERMINAL - CARTRIDGE BRASS 0.28 REF THICK
  - PLATING:  
TIN: TIN (Sn) 3-5 MICROMETRE OVER 1.27 MICROMETRE MIN NICKEL(Ni).  
GOLD : UNDERPLATED 1.27µm MIN NICKEL  
3-5µm TIN SELECTIVE  
0.76µm MIN. SELECTIVE GOLD
  - MATES WITH MOLEX 90327 PART SERIES.
  - ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF 0.0 - 0.10 REF. FROM EACH OTHER.
  - FOR TAPE AND REEL PACKAGING SEE 908149001 PSD AND 908149002 PSD.  
FOR TUBE PACKAGING SEE PK-90814-001
  - PCB PEGS ARE OPTIONAL.
  - PCB LAYOUT SHOWN ON SHEET 2.
  - PRODUCT SPECIFICATION: PS-99020-0011
  - FOR RECOMMENDED REFLOW PROFILES, REFER TO PS-99020-0011 APPENDIX B

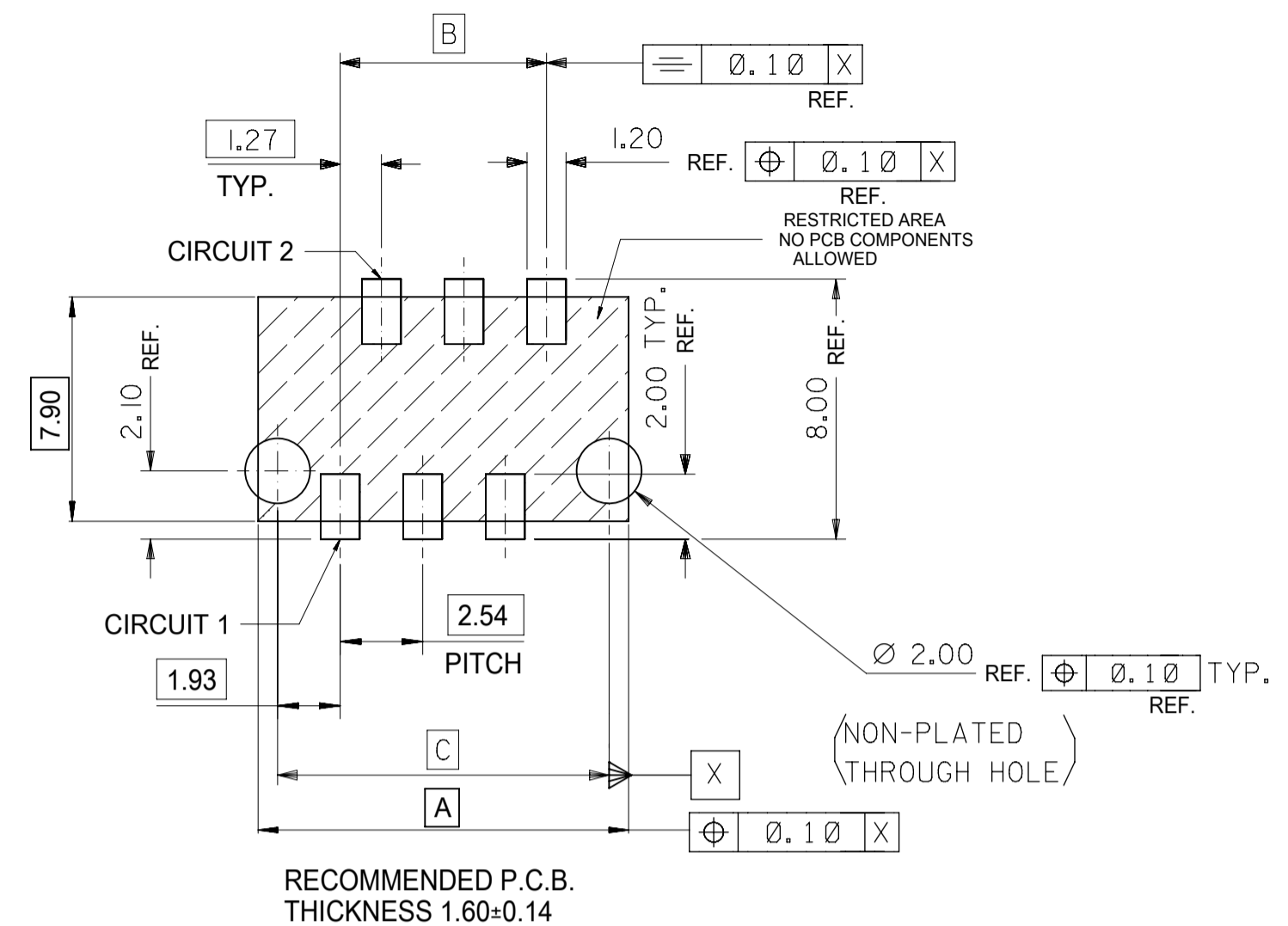
INSPECTION NUMBERS USED ON SHEET 1: 1-50  
LAST INSPECTION NUMBER: 16

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

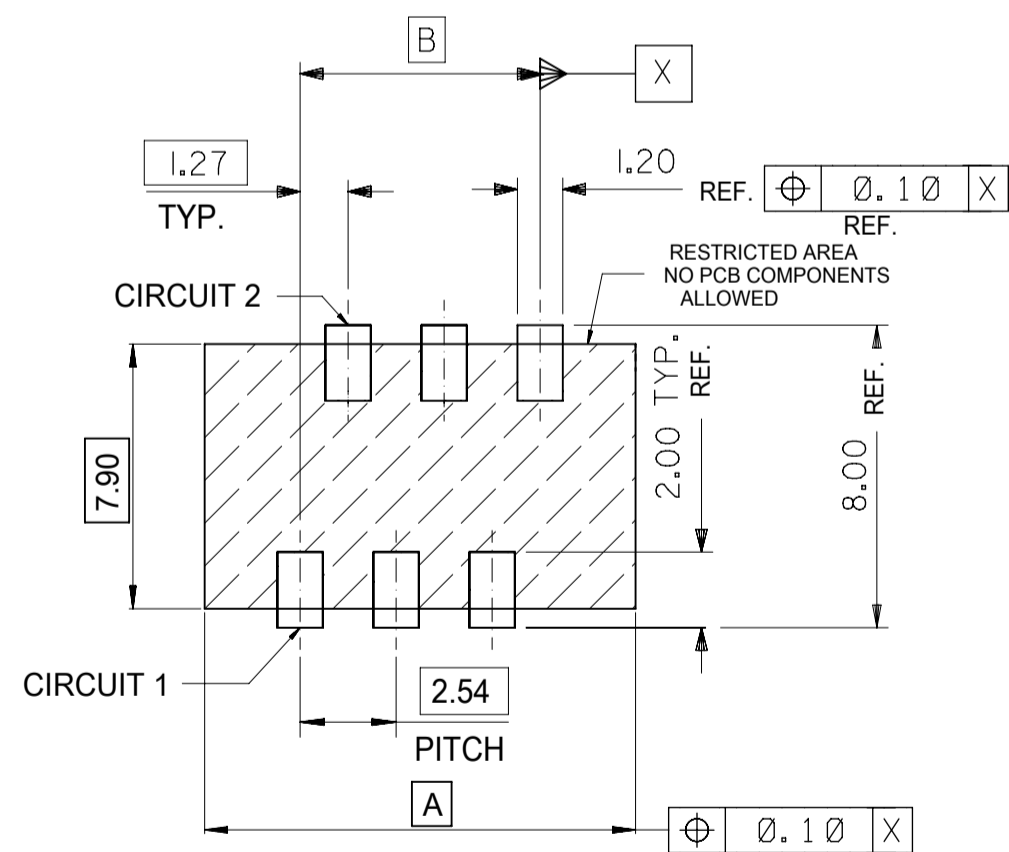
|  |       |                           |  |                          |  |                |  |
|--|-------|---------------------------|--|--------------------------|--|----------------|--|
| DIMENSION UNITS                                      | SCALE | CURRENT REV DESC:         |  | <b>molex</b>             |  |                |  |
| mm   | 5:1   |                           |  |                          |  |                |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | EC NO: 738955             |  | PICOFLEX SMT HEADER      |  |                |  |
| ANGULAR TOL ± 0.5°                                   |       | DRWN: GOWTHP 2023/02/02   |  |                          |  |                |  |
| 4 PLACES ±   |       | CHK'D: GOWTHP 2023/02/16  |  | PRODUCT CUSTOMER DRAWING |  |                |  |
| 3 PLACES ±   |       | APPR: ISHWARG 2023/02/20  |  |                          |  |                |  |
| 2 PLACES ± 0.1                                       |       | INITIAL REVISION:         |  | DOCUMENT NUMBER          |  |                |  |
| 1 PLACE ±  |       | DRWN: DMCNAMAR 2001/08/16 |  |                          |  |                |  |
| 0 PLACES ±   |       | APPR: EFOLEN 2010/11/04   |  | SDA-90814                |  |                |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION    |  |                          |  |                |  |
|  |       |                           |  | A2-SIZE                  |  | 90814          |  |
|  |       |                           |  | MATERIAL NUMBER          |  | CUSTOMER       |  |
|  |       |                           |  | SEE CHART                |  | GENERAL MARKET |  |
|  |       |                           |  | DOC TYPE                 |  | DOC PART       |  |
|  |       |                           |  | PSD                      |  | 001            |  |
|  |       |                           |  | REVISION                 |  | AE1            |  |
|  |       |                           |  | SHEET NUMBER             |  | 1 OF 2         |  |



RECOMMENDED P.C.B. THICKNESS 1.60±0.14  
 PCB LAYOUT FOR TRANSITION FIT WITH PCB PEGS  
 HEADER VERSIONS 90814-xx0xx/-xx2xx/-xx8xx/-xx9xx,  
 VIEWED FROM COMPONENT SIDE



RECOMMENDED P.C.B. THICKNESS 1.60±0.14  
 PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS  
 HEADER VERSIONS 90814-xx0xx/-xx2xx/-xx8xx/-xx9xx,  
 VIEWED FROM COMPONENT SIDE



PCB LAYOUT FOR HEADERS WITHOUT PCB PEGS  
 HEADER VERSIONS 90814-xx3xx/-xx5xx/-xx6xx/-xx7xx,  
 VIEWED FROM COMPONENT SIDE

|            |                |         |         |         |
|------------|----------------|---------|---------|---------|
| 90814-xx26 | 26             | 36.80   | 31.75   | 35.60   |
| 90814-xx24 | 24             | 34.26   | 29.21   | 33.06   |
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| 90814-xx06 | 6              | 11.40   | 6.35    | 10.20   |
| 90814-xx04 | 4              | 8.86    | 3.81    | 7.66    |
| PART NO.   | NUMBER OF CKTS | DIMN. A | DIMN. B | DIMN. C |

|   |        |                        |                |              |
|---|--------|------------------------|----------------|--------------|
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| DIMENSION UNITS   | SCALE  | CURRENT REV DESC:      |                |              |
| mm  | 5:1    |                        |                |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | EC NO: 738955          |                |              |
| ANGULAR TOL   | ± 0.5° | DRWN: GOWTHP           | 2023/02/02     |              |
| 4 PLACES  | ±      | CHK'D: GOWTHP          | 2023/02/16     |              |
| 3 PLACES  | ±      | APPR: ISHWARG          | 2023/02/20     |              |
| 2 PLACES  | ± 0.1  | INITIAL REVISION:      |                |              |
| 1 PLACE   | ±      | DRWN: DMCNAMAR         | 2001/08/16     |              |
| 0 PLACES  | ±      | APPR: EFOLEN           | 2010/11/04     |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION | DRAWING        | SERIES       |
|   |        |                        | A2-SIZE        | 90814        |
|   |        | MATERIAL NUMBER        | CUSTOMER       | SHEET NUMBER |
|   |        | SEE CHART              | GENERAL MARKET | 2 OF 2       |

**molex**

PICOFLEX  
SMT HEADER

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SDA-90814       | PSD      | 001      | AE1      |