

- NOTES:
- MATERIAL: HOUSING: NYLON (PA) GLASS FILLED, UL94 V-0, NATURAL (BEIGE)
TERMINAL - CARTRIDGE BRASS (0.28)/.011 REF THICK
 - PLATING:
TIN: TIN (Sn) (3-5 MICROMETRE)/120-200 MICROINCH OVER (1.27 MICROMETRE)/50 MICROINCH MIN NICKEL(Ni).
GOLD: (.76 MICROMETRE)/30 MICROINCH SELECTIVE GOLD(Au) IN CONTACT AREA AND
SELECTIVE TIN(Sn) IN SOLDER TAIL AREA (3-5 MICROMETRE)/120-200 MICROINCH
OVER (1.27 MICROMETRE)/50 MICROINCH NICKEL(Ni) UNDERCOAT.
 - MATES WITH MOLEX 90327 PART SERIES.
 - ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF
(0.01)/.0 - (0.10)/.004 REF. FROM EACH OTHER.
 - FOR TAPE AND REEL PACKAGING SEE SDA-90814-9001
 - PCB PEGS ARE OPTIONAL.
 - PCB LAYOUT SHOWN ON SHEET 2.
 - PRODUCT SPECIFICATION: PS-99020-0011

90814 - **

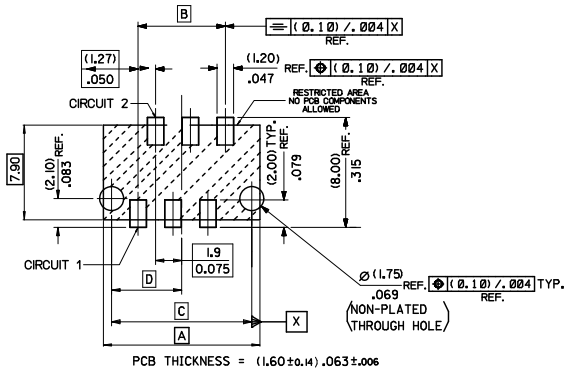
CIRCUIT SIZE

| | PCB PEGS | TUBE PACKED | TAPE & REEL PACKED | POLARIZING PEG HEIGHT DIMN. E |
|---|----------|-------------|--------------------|-------------------------------|
| 0 | YES | YES | NO | (6.40)/ .252 |
| 2 | YES | NO | YES | (6.40)/ .252 |
| 3 | NO | YES | NO | (6.40)/ .252 |
| 5 | NO | NO | YES | (6.40)/ .252 |
| 6 | NO | YES | NO | (4.10)/ .161 |
| 7 | NO | NO | YES | (4.10)/ .161 |
| 8 | YES | YES | NO | (4.10)/ .161 |
| 9 | YES | NO | YES | (4.10)/ .161 |

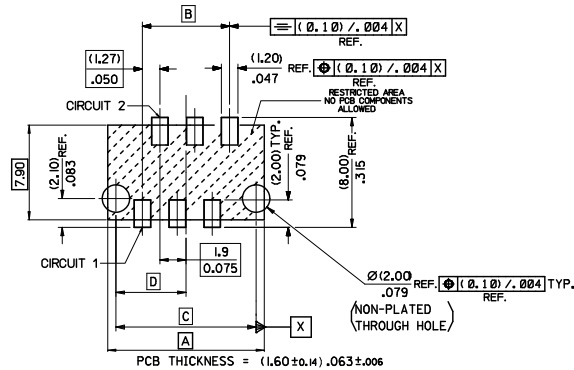
0= (3-5UM)/120-200UIN TIN VERSION
3= (0.76UM)/30UIN GOLD VERSION

| PART NO. | NUMBER OF CKTS | DIMN. A | DIMN. B | DIMN. C | QUANTITY OF PARTS PER TUBE (-#0**/-#3**/-#6** & -#8** VERSIONS) | TOOLED |
|-----------|----------------|--------------|--------------|--------------|---|--------|
| 90814--34 | 34 | (46.96)/L849 | (41.91)/L650 | (45.76)/L802 | 10 | NO |
| 90814--26 | 26 | (36.80)/L449 | (31.75)/L250 | (35.60)/L402 | 14 | YES |
| 90814--24 | 24 | (34.26)/L349 | (29.21)/L150 | (33.06)/L302 | 15 | YES |
| 90814--22 | 22 | (31.72)/L249 | (26.67)/L050 | (30.52)/L202 | 16 | YES |
| 90814--20 | 20 | (29.18)/L149 | (24.13)/.950 | (27.98)/L102 | 18 | YES |
| 90814--18 | 18 | (26.64)/L049 | (21.59)/.850 | (25.44)/L002 | 20 | YES |
| 90814--16 | 16 | (24.10)/.949 | (19.05)/.750 | (22.90)/.902 | 22 | YES |
| 90814--14 | 14 | (21.56)/.849 | (16.51)/.650 | (20.36)/.802 | 25 | YES |
| 90814--12 | 12 | (19.02)/.749 | (13.97)/.550 | (17.82)/.702 | 28 | YES |
| 90814--10 | 10 | (16.48)/.649 | (11.43)/.450 | (15.28)/.602 | 32 | YES |
| 90814--08 | 8 | (13.94)/.549 | (8.89)/.350 | (12.74)/.502 | 38 | YES |
| 90814--06 | 6 | (11.40)/.449 | (6.35)/.250 | (10.20)/.402 | 46 | YES |
| 90814--04 | 4 | (8.86)/.349 | (3.81)/.150 | (7.66)/.302 | 60 | YES |

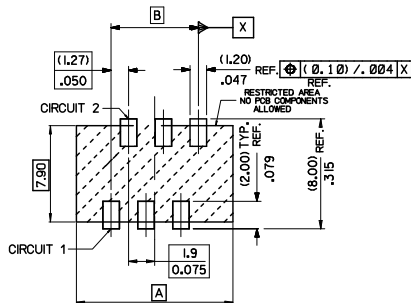
| | | | | | | |
|---|--|---------------------------------------|---|--------------|--------------|---|
| MODIFIED PLATING NOTE: EC NO: E2011-0067 DRAWN BY: BYRNES CHKD: APPR: EFCOLAN 2010/08/10 2010/11/04 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | ▽=0 | mm INCH | MM/IN | 5:1 | METRIC | |
| | ▽=0 | 4 PLACES ± --- ± --- | DRAWN BY DATE | | | |
| | | 3 PLACES ± --- ± .004 | DMCNAMAR 2001/08/16 | | | |
| | 2 PLACES ± 0.10 ± --- | CHECKED BY DATE | | | | PICOFLEX SMT HEADER MOLEX INCORPORATED |
| | 1 PLACE ± --- ± --- | PCURTIN 2001/08/16 | | | | |
| | ANGULAR ±1/2° | APPROVED BY DATE | | | | |
| | | EFCOLAN 2010/11/04 | | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. | SEE CHART | DOCUMENT NO. | SDA-90814 | SHEET NO. 1 OF 2 |
| | | SIZE A | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |



PCB LAYOUT FOR TRANSITION FIT WITH PCB PEGS
 HEADER VERSIONS 90814-0**/-**2**/-**8**/-**9**,
 VIEWED FROM COMPONENT SIDE



PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS
 HEADER VERSIONS 90814-0**/-**2**/-**8**/-**9**,
 VIEWED FROM COMPONENT SIDE



PCB LAYOUT FOR HEADERS WITHOUT PCB PEGS
 HEADER VERSIONS 90814-3**/-**5**/-**6**/-**7**,
 VIEWED FROM COMPONENT SIDE

| PART NO. | NUMBER OF CKTS | DIMN. A | DIMN. B | DIMN. C | DIMN. D |
|-----------|----------------|---------------|---------------|---------------|--------------|
| 90814-034 | 34 | (46.96)/1.849 | (41.91)/1.650 | (45.76)/1.802 | (22.88)/.901 |
| 90814-026 | 26 | (36.80)/1.449 | (31.75)/1.250 | (35.60)/1.402 | (17.80)/.701 |
| 90814-024 | 24 | (34.26)/1.349 | (29.21)/1.150 | (33.06)/1.302 | (16.53)/.651 |
| 90814-022 | 22 | (31.72)/1.249 | (26.67)/1.050 | (30.52)/1.202 | (15.26)/.601 |
| 90814-020 | 20 | (29.18)/1.149 | (24.13)/.950 | (27.98)/1.102 | (13.99)/.551 |
| 90814-018 | 18 | (26.64)/1.049 | (21.59)/.850 | (25.44)/1.002 | (12.72)/.501 |
| 90814-016 | 16 | (24.10)/.949 | (19.05)/.750 | (22.90)/.902 | (11.45)/.451 |
| 90814-014 | 14 | (21.56)/.849 | (16.51)/.650 | (20.36)/.802 | (10.18)/.401 |
| 90814-012 | 12 | (19.02)/.749 | (13.97)/.550 | (17.82)/.702 | (8.91)/.351 |
| 90814-010 | 10 | (16.48)/.649 | (11.43)/.450 | (15.28)/.602 | (7.64)/.301 |
| 90814-008 | 8 | (13.94)/.549 | (8.89)/.350 | (12.74)/.502 | (6.37)/.251 |
| 90814-006 | 6 | (11.40)/.449 | (6.35)/.250 | (10.20)/.402 | (5.10)/.201 |
| 90814-004 | 4 | (8.86)/.349 | (3.81)/.150 | (7.66)/.302 | (3.83)/.151 |

| | | | | | | |
|---|--|--|---|--|---|-------------------|
| PCB DIMS CHANGED TO REF E.C. NO. E2011-0067 DRAWN BY: VYRNES CHKD: APPR: ECOLAN REV: | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 1/2° | DIMENSION STYLE MM ONLY DRAWN BY: JMCNAMAR DATE: 2001/08/23 CHECKED BY: BMAGUIRE DATE: 2001/08/23 APPROVED BY: ECOLAN DATE: 2010/11/04 MATERIAL NO.: DOCUMENT NO.: | SCALE: 5:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION | TITLE: PICOFLEX SMT HEADER MOLEX INCORPORATED SDA-90814 | SHEET NO.: 2 OF 2 |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE CHART | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | |