



14 CIRCUIT SHOWN FOR ILLUSTRATION ONLY.

| PART NO. | NUMBER OF CKTS | DIMN. A | DIMN. B | DIMN. C | DIMN. D |
|------------|----------------|---------|---------|---------|---------|
| 90816-**04 | 04 | 10.86 | 3.81 | 6.11 | 7.66 |
| 90816-**06 | 06 | 13.40 | 6.35 | 8.65 | 10.20 |
| 90816-**08 | 08 | 15.94 | 8.89 | 11.19 | 12.74 |
| 90816-**10 | 10 | 18.48 | 11.43 | 13.73 | 15.28 |
| 90816-**12 | 12 | 21.02 | 13.97 | 16.27 | 17.82 |
| 90816-**14 | 14 | 23.56 | 16.51 | 18.81 | 20.36 |
| 90816-**16 | 16 | 26.10 | 19.05 | 21.35 | 22.90 |
| 90816-**18 | 18 | 28.64 | 21.59 | 23.89 | 25.44 |
| 90816-**20 | 20 | 31.18 | 24.13 | 26.43 | 27.98 |
| 90816-**22 | 22 | 33.72 | 26.67 | 28.97 | 30.52 |
| 90816-**24 | 24 | 36.26 | 29.21 | 31.51 | 33.06 |
| 90816-**26 | 26 | 38.80 | 31.75 | 34.05 | 35.60 |

SEE NOTE-7

NOTES:

- MATERIAL
HOUSING: PPA, GLASS-FILLED, COLOUR: BLACK, UL 94-HB.
TERMINAL: BRASS
 - FINISHES: TERMINAL
Gold : UNDERPLATED 1.27µm MIN NICKEL
3-5µm TIN SELECTIVE
0.76µm MIN. SELECTIVE GOLD
TIN: 3 MICROMETRE MINIMUM OVER NICKEL UNDERPLATE.
 - PRODUCT SPECIFICATION: PS-99020-0011
 - PACKAGING SPECIFICATION: FOR TAPE AND REEL SEE: PK-90816-006
FOR TUBE SEE: PK-90816-007
 - MATES WITH MOLEX 90327 PART SERIES.
 - ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF 0 - 0.10 MICROMETRE REF. FROM EACH OTHER.
 - 4 CIRCUIT PART NOT AVAILABLE IN TAPE AND REEL.
- LAST INSPECTION NUMBER USED: 20

90816 - ** **

| | PCB PEGS | TUBE PACKED | TAPE & REEL PACKED |
|---|----------|-------------|--------------------|
| 0 | YES | YES | NO |
| 2 | YES | NO | YES |
| 3 | NO | YES | NO |
| 5 | NO | NO | YES |

0 = TIN VERSION
3 = 0.76µm GOLD PLATING

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|------------------------|--|--|--|--|---|--|--|--|--|----------------|--|--|--|--|
| FUNCTIONAL SYMBOLS | | | | | | | | | | 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: CAD MIGRATION | | | | | | | | | |
| mm | | | | | 5:1 | | | | | <p>PICOFLEX SMT LATCHED HEADER</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-90816-001</p> <p>DOC TYPE: PSD</p> <p>DOC PART: 001</p> <p>REVISION: G1</p> <p>SHEET NUMBER: 1 OF 2</p> | | | | | | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | | | | | | | | | | |
| ANGULAR TOL ± 2.0° | | | | | | | | | | | | | | | | | | | |
| 4 PLACES ± | | | | | | | | | | | | | | | | | | | |
| DIVISIONAL SYMBOLS | | | | | 3 PLACES ± | | | | | EC NO: 738955 | | | | | 2023/02/02 | | | | |
| 2 PLACES ± 0.25 | | | | | DRWN: GOWTHP | | | | | 2023/02/16 | | | | | | | | | |
| 1 PLACE ± 0.35 | | | | | CHK'D: GOWTHP | | | | | 2023/02/20 | | | | | | | | | |
| 0 PLACES ± | | | | | APPR: ISHWARG | | | | | INITIAL REVISION: | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | THIRD ANGLE PROJECTION | | | | | DRWN: DBYRNES | | | | | 2008/08/16 | | | | |
| | | | | | DRAWING | | | | | APPR: EFOLAN | | | | | 2010/11/04 | | | | |
| | | | | | A3 | | | | | SERIES | | | | | 90816 | | | | |
| | | | | | SEE CHART | | | | | CUSTOMER | | | | | GENERAL MARKET | | | | |



RECOMMENDED PCB THICKNESS 1.60±0.14
 PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS
 HEADER VERSIONS 90816-*0**/*2**
 VIEWED FROM COMPONENT SIDE
 6CKT PART SHOWN FOR REFERENCE



PCB LAYOUT WITHOUT PCB PEGS
 HEADER VERSIONS 90816-*3**/*5**
 VIEWED FROM COMPONENT SIDE
 6CKT PART SHOWN FOR REFERENCE

| PART NO. | NUMBER OF CKTS | DIM. E | DIM. F | DIM. G |
|------------|----------------|--------|--------|--------|
| 90816-**26 | 26 | 38.80 | 31.75 | 35.60 |
| 90816-**24 | 24 | 36.26 | 29.21 | 33.06 |
| 90816-**22 | 22 | 33.72 | 26.67 | 30.52 |
| 90816-**20 | 20 | 31.18 | 24.13 | 27.98 |
| 90816-**18 | 18 | 28.64 | 21.59 | 25.44 |
| 90816-**16 | 16 | 26.10 | 19.05 | 22.90 |
| 90816-**14 | 14 | 23.56 | 16.51 | 20.36 |
| 90816-**12 | 12 | 21.02 | 13.97 | 17.82 |
| 90816-**10 | 10 | 18.48 | 11.43 | 15.28 |
| 90816-**08 | 8 | 15.94 | 8.89 | 12.74 |
| 90816-**06 | 6 | 13.40 | 6.35 | 10.20 |
| 90816-**04 | 4 | 10.86 | 3.81 | 7.66 |

| | | | | |
|------------------------|---|--|--------------------------|-------------------------------|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | CURRENT REV DESC: CAD MIGRATION | | molex |
| | DIMENSION UNITS: mm | SCALE: 5:1 | EC NO: 738955 | |
| DIVISIONAL SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DRWN: GOWTHP | 2023/02/02 |
| | ANGULAR TOL ± 2.0° | | CHK'D: GOWTHP | 2023/02/16 |
| | 4 PLACES ± | | APPR: ISHWARG | 2023/02/20 |
| | 3 PLACES ± | | INITIAL REVISION: | |
| | 2 PLACES ± 0.25 | | DRWN: DBYRNES | 2008/08/26 |
| 1 PLACE ± 0.35 | | APPR: EFOLAN | 2010/11/04 | DOCUMENT NUMBER: SD-90816-001 |
| 0 PLACES ± | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DOC TYPE: PSD |
| THIRD ANGLE PROJECTION | | DRAWING: A3-SIZE | SERIES: 90816 | DOC PART: 001 |
| | | MATERIAL NUMBER: SEE SHEET 1 | CUSTOMER: GENERAL MARKET | REVISION: G1 |
| | | | | SHEET NUMBER: 2 OF 2 |