

| CKT SIZE | DIMENSION | | | | | |
|----------|-----------|-------|-------|-------|-------|-------|
| | A | B | C | D | E | F |
| 4 | 2.00 | 4.85 | 6.65 | 5.00 | — | — |
| 6 | 4.00 | 6.85 | 8.65 | 7.00 | — | 2.00 |
| 8 | 6.00 | 8.85 | 10.65 | 9.00 | — | 4.00 |
| 10 | 8.00 | 10.85 | 12.65 | 11.00 | — | 6.00 |
| 12 | 10.00 | 12.85 | 14.65 | 13.00 | — | 8.00 |
| 14 | 12.00 | 14.85 | 16.65 | 15.00 | 8.00 | 10.00 |
| 16 | 14.00 | 16.85 | 18.65 | 17.00 | 10.00 | 12.00 |
| 18 | 16.00 | 18.85 | 20.65 | 19.00 | 12.00 | 14.00 |
| 20 | 18.00 | 20.85 | 22.65 | 21.00 | 14.00 | 16.00 |
| 22 | 20.00 | 22.85 | 24.65 | 23.00 | 16.00 | 18.00 |
| 24 | 22.00 | 24.85 | 26.65 | 25.00 | 18.00 | 20.00 |
| 26 | 24.00 | 26.85 | 28.65 | 27.00 | 20.00 | 22.00 |
| 28 | 26.00 | 28.85 | 30.65 | 29.00 | 22.00 | 24.00 |
| 30 | 28.00 | 30.85 | 32.65 | 31.00 | 24.00 | 26.00 |
| 32 | 30.00 | 32.85 | 34.65 | 33.00 | 26.00 | 28.00 |
| 34 | 32.00 | 34.85 | 36.65 | 35.00 | 28.00 | 30.00 |
| 36 | 34.00 | 36.85 | 38.65 | 37.00 | 30.00 | 32.00 |
| 38 | 36.00 | 38.85 | 40.65 | 39.00 | 32.00 | 34.00 |
| 40 | 38.00 | 40.85 | 42.65 | 41.00 | 34.00 | 36.00 |
| 42 | 40.00 | 42.85 | 44.65 | 43.00 | 36.00 | 38.00 |
| 44 | 42.00 | 44.85 | 46.65 | 45.00 | 38.00 | 40.00 |
| 46 | 44.00 | 46.85 | 48.65 | 47.00 | 40.00 | 42.00 |
| 48 | 46.00 | 48.85 | 50.65 | 49.00 | 42.00 | 44.00 |
| 50 | 48.00 | 50.85 | 52.65 | 51.00 | 44.00 | 46.00 |

- NOTES:
- FOR ILLUSTRATION PURPOSES, 20 CIRCUIT SIZE WAFER IS SHOWN.
 - MATERIAL :
HOUSING : LCP, UL94V-0, GLOW WIRE CAPABLE PER IEC-60335-1 5TH EDITION, GLASS FILLED. COLOR: BLACK.
PIN : 0.50MM SQ. COPPER ALLOY.
 - PRODUCT SPECIFICATION PS-151117-0001 APPLIES.
 4. RIB LOCATION VARIES, DEPENDING ON CKT SIZES.
 5. CKT 4 AND 6 HAS NO IDENTIFICATION TAG.
 6. POSITION OF CAP TO BE LOCATED AT CENTER OF DIM A, IRREGARDLESS OF CKT SIZE. TOP SURFACE OF CAP TO BE FLAT FOR PICK & PLACE PURPOSE.
 7. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.
 8. CAVITY ID AND MX LOGO SHALL BE LOCATED APPROXIMATELY AS SHOWN.

9. SINGLE LOCK FEATURE FOR 4-12CKT.
10. DUAL LOCK FEATURE FOR 14CKT AND ABOVE.
11. DETAIL 2 FOR MMC REFERENCE ONLY.
12. BEND DEPRESSION ON SMT TAIL IS ACCEPTABLE SO LONG IT DOES NOT AFFECT THE OVERALL COPLANARITY OF THE TAIL.

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: | molex | | |
| mm | NTS | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | ASSEMBLY | | |
| | | | MGRID, SHROUDED HEADER SMT | | |
| 4 PLACES ± | | | PRODUCT CUSTOMER DRAWING | | |
| 3 PLACES ± | | | DOCUMENT NUMBER | | |
| 2 PLACES ± 0.2 ± | | | SD-151118-0001 | | |
| 1 PLACE ± | | | DOC TYPE | | |
| 0 PLACES ± | | | PSD | | |
| ANGULAR TOL ± 3.0° | | | DOC PART | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | 001 | | |
| THIRD ANGLE PROJECTION | | | REVISION | | |
| DRAWING | | | A3 | | |
| SERIES | | | 151118 | | |
| MATERIAL NUMBER | | | SEE TABLE | | |
| CUSTOMER | | | GENERAL MARKET | | |
| SHEET NUMBER | | | 1 OF 3 | | |

ASSEMBLY

151118 - X X X X

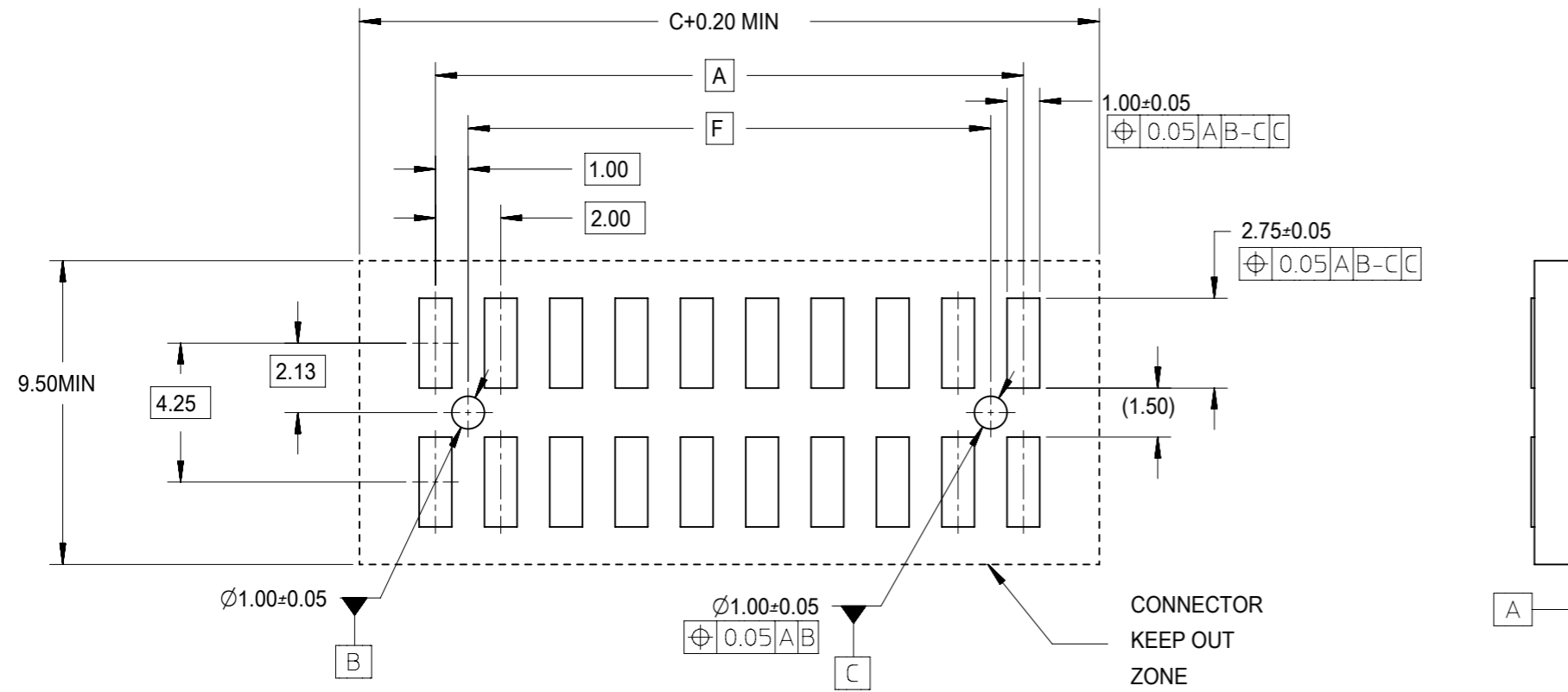
PLATING OPTIONS

| | |
|-----------------------|---|
| -X0XX AND -X4XX | 2.00µm MIN. TIN OVERALL 1.25µm MIN. NICKEL OVERALL |
| -X1XX AND -X5XX | 0.05µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25µm MIN. NICKEL OVERALL. |
| -X2XX AND -X6XX | 0.38µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25µm MIN. NICKEL OVERALL. |
| -X3XX AND -X7XX | 0.75µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN(MATTE) ON SOLDERTAIL OVER 1.25µm MIN. NICKEL OVERALL. |

| | |
|---------------|--|
| 04 - 50 | 4-50 CKT W/O PEG |
| 54 - 00 | 4-50 CKT WITH PEG |
| 50+(#)CKT | 54 = 4CKT 56 = 6CKT . . 98 = 48CKT 00 = 50CKT |
| # = NO OF CKT | |

| PLATING | | CAP OPTION |
|---------|---------------|------------------------------|
| 0 | FULL TIN | WITHOUT CAP |
| 1 | Au FLASH | (FOR TUBE PACKAGING ONLY) |
| 2 | 0.38 Au | |
| 3 | 0.75 Au | |
| 4 | FULL TIN | WITH CAP |
| 5 | Au FLASH | (FOR TUBE AND T&R PACKAGING) |
| 6 | 0.38 Au | |
| 7 | 0.75 Au | |
| 8 | OTHER OPTIONS | |
| 9 | | |

| PACKAGING | |
|-----------|---------------|
| 0 | TAPE & REEL |
| 1 | TUBE |
| 2 | OTHER OPTIONS |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |



RECOMMENDED PCB LAYOUT

NOTES CONTINUE :

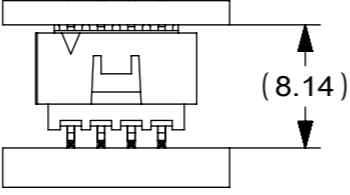
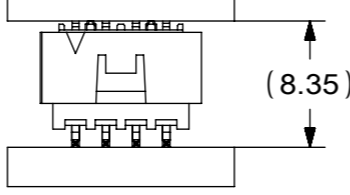
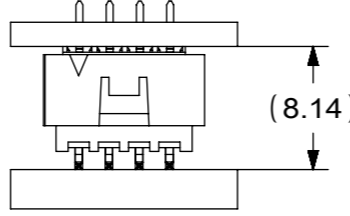
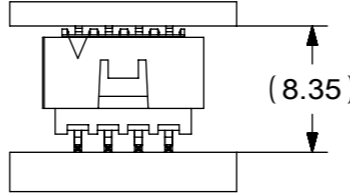
13. REFER TO PACKAGING SPECIFICATION


FOR TUBE : PK-151118-0001

FOR TAPE & REEL : PK-151118-3000

| | | | | | |
|---|-------|-------------------------------|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: | | molex | |
| DIMENSION UNITS | SCALE | EC NO: 619055 | | | |
| mm | NTS | DRWN: VLOKESHA 2019/05/23 | | ASSEMBLY MGRID, SHROUDED HEADER SMT | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | CHK'D: NMANE02 2019/07/09 | | | |
| | | APPR: MRAMAKRISHNA 2019/07/09 | | PRODUCT CUSTOMER DRAWING | |
| 4 PLACES | ± | INITIAL REVISION: | | DOCUMENT NUMBER | |
| 3 PLACES | ± | DRWN: ATSEE 2014/10/10 | | SD-151118-0001 | |
| 2 PLACES | ± 0.2 | APPR: KHLIM 2015/11/05 | | DOC TYPE | |
| 1 PLACE | ± | | | PSD | |
| 0 PLACES | ± | | | DOC PART | |
| ANGULAR TOL ± 3.0° | | | | 001 | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | | REVISION | |
| | | DRAWING | | A3 | |
| | | SERIES | | 151118 | |
| | | MATERIAL NUMBER | | SEE TABLE | |
| | | CUSTOMER | | GENERAL MARKET | |
| | | | | SHEET NUMBER | |
| | | | | 2 OF 3 | |

BOARD TO BOARD (BTB) DISTANCE

| HEADER | MATES WITH (RECEPTACLE) | BTB DISTANCE | PICTORIAL VIEW |
|--------|-------------------------|--------------|---|
| 151118 | 78787 | 8.14 |  |
| | 78788 | 8.35 |  |
| | 79107 | 8.14 |  |
| | 79109 | 8.35 |  |

| | | | | | | | | | |
|---|--|--------|------|---|--|--------------------------|--------|----------------------------|----------|
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| DIMENSION UNITS | | SCALE | | CURRENT REV DESC: | | | | molex | |
| mm | | NTS | | | | | | | |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | EC NO: 619055 | | ASSEMBLY | | MGRID, SHROUDED HEADER SMT | |
| | | MM | INCH | DRWN: VLOKESHA 2019/05/23 | | PRODUCT CUSTOMER DRAWING | | | |
| 4 PLACES | | ± | ± | CHK'D: NMANE02 2019/07/09 | | DOCUMENT NUMBER | | DOC TYPE | DOC PART |
| 3 PLACES | | ± | ± | APPR: MRAMAKRISHNA 2019/07/09 | | SD-151118-0001 | | PSD | 001 |
| 2 PLACES | | ± 0.2 | ± | INITIAL REVISION: | | SERIES | | REVISION | |
| 1 PLACE | | ± | ± | DRWN: DRWN BY XXXX/XX/XX | | MATERIAL NUMBER | | A3 | |
| 0 PLACES | | ± | ± | APPR: APPR BY XXXX/XX/XX | | CUSTOMER | | SHEET NUMBER | |
| ANGULAR TOL | | ± 3.0° | | THIRD ANGLE PROJECTION | | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | |  | | A3-SIZE | 151118 | GENERAL MARKET | 3 OF 3 |