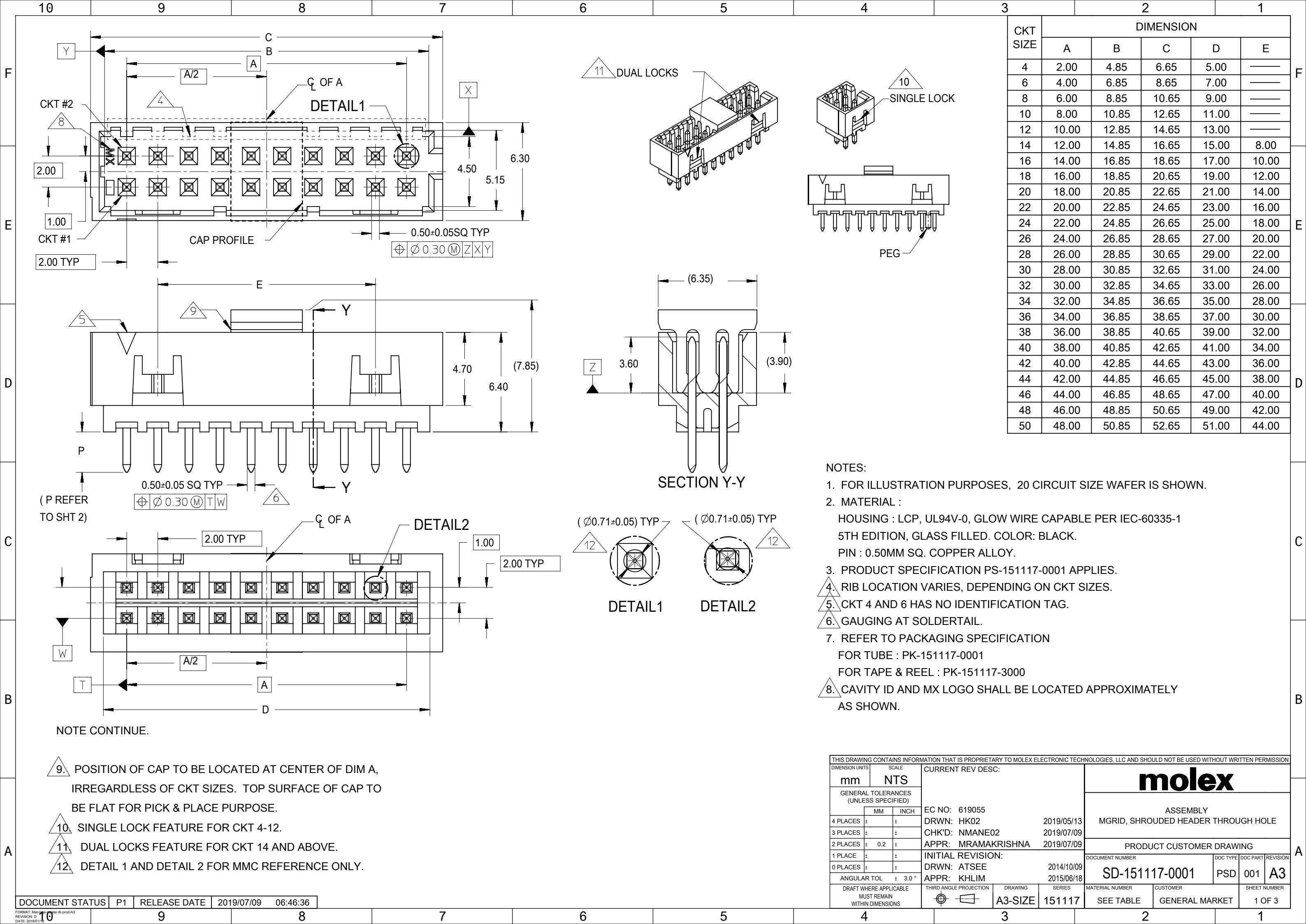


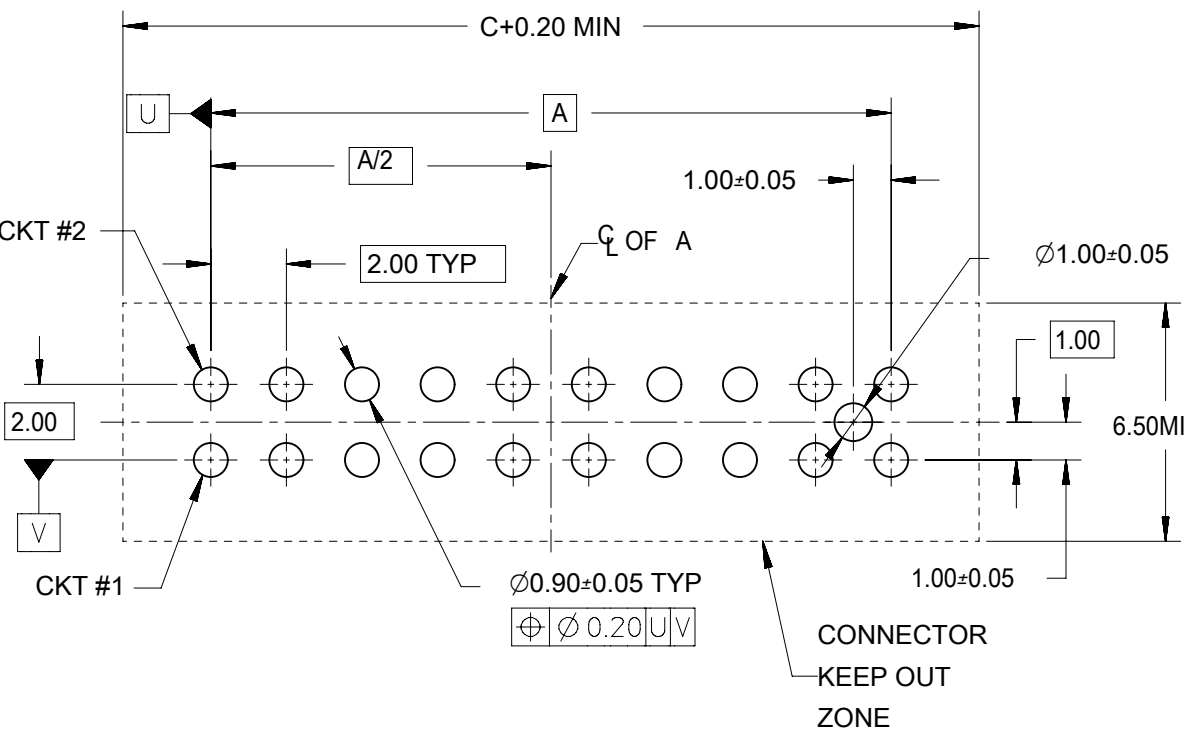


151117 - X X X X

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

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

|   | TAIL P LENGTH | PACKAGING     |
|---|---------------|---------------|
| 0 | 2.60          | TAPE & REEL   |
| 1 | 3.60          |               |
| 2 | 4.60          |               |
| 3 | 2.60          | TUBE          |
| 4 | 3.60          |               |
| 5 | 4.60          |               |
| 6 |               | OTHER OPTIONS |
| 7 |               |               |
| 8 |               |               |
| 9 |               |               |

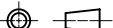


## RECOMMENDED PCB PATTERN

## PLATING OPTIONS

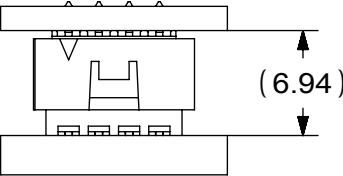
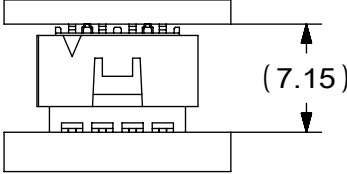
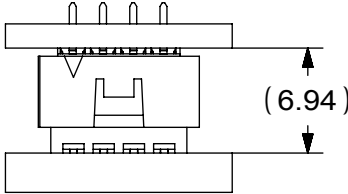
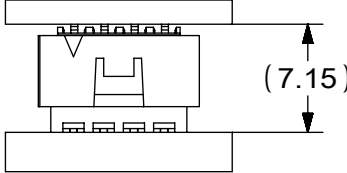
|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| -X0XX<br>AND<br>-X4XX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

| TAIL LENGTH P (mm) | RECOMMENDED PCB THICKNESS (mm) |
|--------------------|--------------------------------|
| 2.60               | 1.60                           |
| 3.60               | 2.60                           |
| 4.60               | 3.60                           |

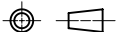
|                                                                                                                                               |       |                                                                                       |  |                          |        |                 |                                                 |          |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|--|--------------------------|--------|-----------------|-------------------------------------------------|----------|--------------|
| 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:        |        |                 | <div>molex</div>                                |          |              |
| mm                                                                                                                                            |       | NTS                                                                                   |  |                          |        |                 |                                                 |          |              |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |       |                                                                                       |  |                          |        |                 | ASSEMBLY<br>MGRID, SHROUDED HEADER THROUGH HOLE |          |              |
|                                                                                                                                               | MM    | INCH                                                                                  |  |                          |        |                 |                                                 |          |              |
| 4 PLACES                                                                                                                                      | ±     | ±                                                                                     |  |                          |        |                 |                                                 |          |              |
| 3 PLACES                                                                                                                                      | ±     | ±                                                                                     |  | PRODUCT CUSTOMER DRAWING |        |                 |                                                 |          |              |
| 2 PLACES                                                                                                                                      | ± 0.2 | ±                                                                                     |  |                          |        |                 |                                                 |          |              |
| 1 PLACE                                                                                                                                       | ±     | ±                                                                                     |  |                          |        |                 |                                                 |          |              |
| 0 PLACES                                                                                                                                      | ±     | ±                                                                                     |  | DOCUMENT NUMBER          |        |                 | DOC TYPE                                        | DOC PART | REVISION     |
| ANGULAR TOL ± 3.0 °                                                                                                                           |       |                                                                                       |  | SD-151117-0001           |        |                 | PSD                                             | 001      | A3           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |       | THIRD ANGLE PROJECTION                                                                |  | DRAWING                  | SERIES | MATERIAL NUMBER | CUSTOMER                                        |          | SHEET NUMBER |
|                                                                                                                                               |       |  |  | A3-SIZE                  | 151117 | SEE SHEET 1     | GENERAL MARKET                                  |          | 2 OF 3       |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2019/07/09 | 06:46:36 |
|-----------------|----|--------------|------------|----------|

BOARD TO BOARD (BTB) DISTANCE

| HEADER | MATES WITH (RECEPTACLE) | BTB DISTANCE | PICTORIAL VIEW                                                                        |
|--------|-------------------------|--------------|---------------------------------------------------------------------------------------|
| 151117 | 78787                   | 6.94         |    |
|        | 78788                   | 7.15         |    |
|        | 79107                   | 6.94         |   |
|        | 79109                   | 7.15         |  |

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|                                                            |    |       |      |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
|------------------------------------------------------------|----|-------|------|-----------------------------------------------------------------------------------------------------------------|--|--------------------|-------------------------------------------------|-----------------|--|----------------------------|-----------------|------------------------|--|
| DIMENSION UNITS                                            |    | SCALE |      | CURRENT REV DESC:                                                                                               |  |                    | <div>molex</div>                                |                 |  |                            |                 |                        |  |
| mm                                                         |    | NTS   |      |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |    |       |      |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
|                                                            | MM |       | INCH |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
| 4 PLACES                                                   | ±  |       | ±    | EC NO: 619055<br>DRWN: HK02 2019/05/13<br>CHK'D: NMANE02 2019/07/09<br>APPR: MRAMAKRISHNA 2019/07/09            |  |                    | ASSEMBLY<br>MGRID, SHROUDED HEADER THROUGH HOLE |                 |  |                            |                 |                        |  |
| 3 PLACES                                                   | ±  |       | ±    |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
| 2 PLACES                                                   | ±  | 0.2   | ±    |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
| 1 PLACE                                                    | ±  |       | ±    |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
| 0 PLACES                                                   | ±  |       | ±    | INITIAL REVISION:<br>DRWN: DRWN BY XXXX/XX/XX<br>APPR: APPR BY XXXX/XX/XX                                       |  |                    | DOCUMENT NUMBER<br>SD-151117-0001               |                 |  | DOC TYPE<br>PSD            | DOC PART<br>001 | REVISION<br>A3         |  |
| ANGULAR TOL ± 3.0 °                                        |    |       |      |                                                                                                                 |  |                    |                                                 |                 |  |                            |                 |                        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |    |       |      | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>A3-SIZE | SERIES<br>151117                                | MATERIAL NUMBER |  | CUSTOMER<br>GENERAL MARKET |                 | SHEET NUMBER<br>3 OF 3 |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2019/07/09 | 06:46:36 |
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