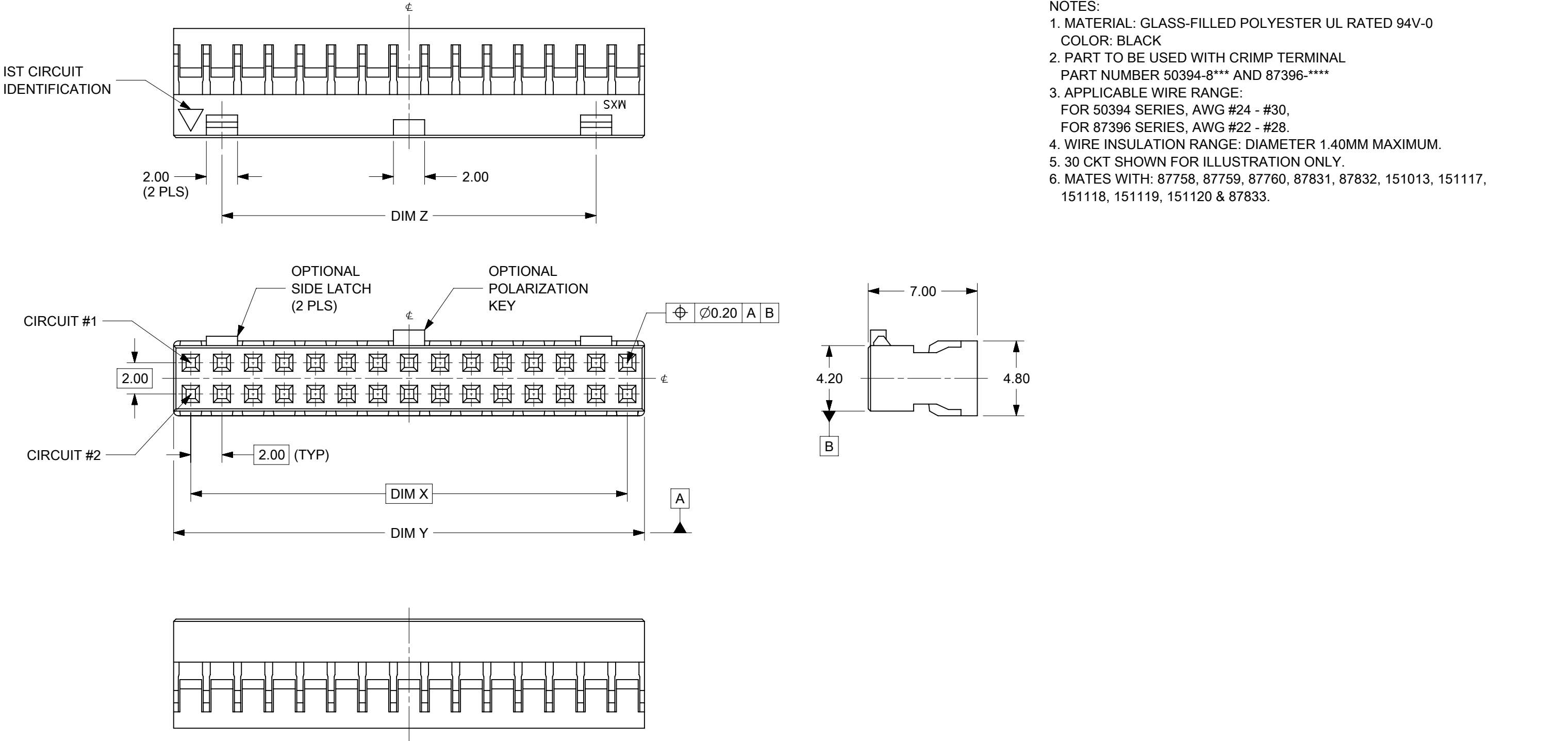




- NOTES:
1. MATERIAL: GLASS-FILLED POLYESTER UL RATED 94V-0  
COLOR: BLACK
  2. PART TO BE USED WITH CRIMP TERMINAL  
PART NUMBER 50394-8\*\*\* AND 87396-\*\*\*\*
  3. APPLICABLE WIRE RANGE:  
FOR 50394 SERIES, AWG #24 - #30,  
FOR 87396 SERIES, AWG #22 - #28.
  4. WIRE INSULATION RANGE: DIAMETER 1.40MM MAXIMUM.
  5. 30 CKT SHOWN FOR ILLUSTRATION ONLY.
  6. MATES WITH: 87758, 87759, 87760, 87831, 87832, 151013, 151117, 151118, 151119, 151120 & 87833.

|                                                                                                                                               |  |       |  |                                                                                                                              |  |         |  |        |  |                   |  |                |  |            |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|------------------------------------------------------------------------------------------------------------------------------|--|---------|--|--------|--|-------------------|--|----------------|--|------------|--|--------------|--|
| 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: REMOVED OBSOLETE PART<br>NUMBER AS PER PCN #517549                                                         |  |         |  |        |  |                   |  |                |  |            |  |              |  |
| mm                                                                                                                                            |  | NTS   |  |                                                                                                                              |  |         |  |        |  |                   |  |                |  |            |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |  | <div>molex</div> <div>2MM GRID, WIRE TO BOARD<br/>CONNECTOR, CRIMP RECEPT. HOUSING</div> <div>PRODUCT CUSTOMER DRAWING</div> |  |         |  |        |  |                   |  |                |  |            |  |              |  |
| ANGULAR TOL ± 3.0 °                                                                                                                           |  |       |  |                                                                                                                              |  |         |  |        |  |                   |  |                |  |            |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±     |  |                                                                                                                              |  |         |  |        |  | EC NO: 839452     |  | DRWN: PRANAA   |  | 2025/11/04 |  |              |  |
| 3 PLACES                                                                                                                                      |  | ±     |  |                                                                                                                              |  |         |  |        |  | CHK'D: GGA        |  | 2025/11/21     |  | 2025/11/21 |  |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.2 |  |                                                                                                                              |  |         |  |        |  | APPR: GGA         |  | 2025/11/21     |  | 2025/11/21 |  |              |  |
| 1 PLACE                                                                                                                                       |  | ±     |  |                                                                                                                              |  |         |  |        |  | INITIAL REVISION: |  | DRWN: SKTOH    |  | 1993/10/26 |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±     |  |                                                                                                                              |  |         |  |        |  | APPR: LBLEE       |  | 2014/07/22     |  | 2014/07/22 |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | THIRD ANGLE PROJECTION                                                                                                       |  | DRAWING |  | SERIES |  | DOCUMENT NUMBER   |  | DOC TYPE       |  | DOC PART   |  | REVISION     |  |
|                                                                                                                                               |  |       |  |                                         |  | B-SIZE  |  | 51110  |  | MATERIAL NUMBER   |  | SD-51110-XX5X  |  | CUSTOMER   |  | PSD          |  |
|                                                                                                                                               |  |       |  |                                                                                                                              |  |         |  |        |  | SEE TABLE         |  | GENERAL MARKET |  |            |  | SHEET NUMBER |  |
|                                                                                                                                               |  |       |  |                                                                                                                              |  |         |  |        |  |                   |  |                |  |            |  | 1 OF 2       |  |

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WITHOUT CENTER POLARIZATION KEY & SIDE LATCHES

| PART NUMBER | CKT SIZE | DIM X | DIM Y |
|-------------|----------|-------|-------|
| 51110-0450  | 4        | 2.00  | 4.20  |
| 51110-0650  | 6        | 4.00  | 6.20  |
| 51110-0850  | 8        | 6.00  | 8.20  |
| 51110-1050  | 10       | 8.00  | 10.20 |
| 51110-1250  | 12       | 10.00 | 12.20 |
| 51110-1450  | 14       | 12.00 | 14.20 |
| 51110-1650  | 16       | 14.00 | 16.20 |
| 51110-1850  | 18       | 16.00 | 18.20 |
| 51110-2050  | 20       | 18.00 | 20.20 |
| 51110-2250  | 22       | 20.00 | 22.20 |
| 51110-2450  | 24       | 22.00 | 24.20 |
| 51110-2650  | 26       | 24.00 | 26.20 |
| 51110-3050  | 30       | 28.00 | 30.20 |
| 51110-3450  | 34       | 32.00 | 34.20 |

WITH CENTER POLARIZATION KEY & SIDE LATCHES

| PART NUMBER | CKT SIZE | DIM X | DIM Y | DIM Z |
|-------------|----------|-------|-------|-------|
| 51110-1451  | 14       | 12.00 | 14.20 | 8.00  |
| 51110-1651  | 16       | 14.00 | 16.20 | 10.00 |
| 51110-1851  | 18       | 16.00 | 18.20 | 12.00 |
| 51110-2051  | 20       | 18.00 | 20.20 | 14.00 |
| 51110-2251  | 22       | 20.00 | 22.20 | 16.00 |
| 51110-2451  | 24       | 22.00 | 24.20 | 18.00 |
| 51110-2651  | 26       | 24.00 | 26.20 | 20.00 |
| 51110-2851  | 28       | 26.00 | 28.20 | 22.00 |
| 51110-3051  | 30       | 28.00 | 30.20 | 24.00 |
| 51110-3251  | 32       | 30.00 | 32.20 | 26.00 |
| 51110-3451  | 34       | 32.00 | 34.20 | 28.00 |

WITH CENTER POLARIZATION KEY

| PART NUMBER | CKT SIZE | DIM X | DIM Y |
|-------------|----------|-------|-------|
| 51110-0452  | 4        | 2.00  | 4.20  |
| 51110-0652  | 6        | 4.00  | 6.20  |
| 51110-0851  | 8        | 6.00  | 8.20  |
| 51110-1051  | 10       | 8.00  | 10.20 |
| 51110-1251  | 12       | 10.00 | 12.20 |
| 51110-1452  | 14       | 12.00 | 14.20 |
| 51110-1652  | 16       | 14.00 | 16.20 |
| 51110-2052  | 20       | 18.00 | 20.20 |
| 51110-2252  | 22       | 20.00 | 22.20 |

PART NUMBER LEGEND:

51110 - \*\*5\*

CIRCUIT SIZE

0 - WITHOUT CENTER POLARIZATION KEY AND SIDE LATCH.

1 - WITH CENTER POLARIZATION KEY AND SIDE LATCH.  
(14 TO 34 CIRCUITS ONLY)  
WITH CENTER POLARIZATION KEY ONLY.  
(8 TO 12 CIRCUITS ONLY)

2 - WITH CENTER POLARIZATION KEY ONLY.  
(4 TO 6 CIRCUITS AND 14 TO 22 CIRCUITS ONLY)

|                                                                                                                                               |  |                        |       |                                                                       |                                                                                           |                 |                |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|-------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------|----------------|--------------|
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| DIMENSION UNITS                                                                                                                               |  | SCALE                  |       | CURRENT REV DESC: REMOVED OBSOLETE PART NUMBER AS PER PCN #517549     | <div>molex</div> <div>2MM GRID, WIRE TO BOARD CONNECTOR, CRIMP RECEPT. HOUSING</div>      |                 |                |              |
| mm                                                                                                                                            |  | NTS                    |       |                                                                       |                                                                                           |                 |                |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                        |       |                                                                       |                                                                                           |                 |                |              |
| ANGULAR TOL                                                                                                                                   |  | ±                      | 3.0 ° |                                                                       | EC NO: 839452<br>DRWN: PRANAA 2025/11/04<br>CHK'D: GGA 2025/11/21<br>APPR: GGA 2025/11/21 |                 |                |              |
| 4 PLACES                                                                                                                                      |  | ±                      |       |                                                                       |                                                                                           |                 |                |              |
| 3 PLACES                                                                                                                                      |  | ±                      |       |                                                                       |                                                                                           |                 |                |              |
| 2 PLACES                                                                                                                                      |  | ±                      | 0.2   | INITIAL REVISION:<br>DRWN: SKTOH 1993/10/26<br>APPR: LBLEE 2014/07/22 |                                                                                           |                 |                |              |
| 1 PLACE                                                                                                                                       |  | ±                      |       |                                                                       |                                                                                           |                 |                |              |
| 0 PLACES                                                                                                                                      |  | ±                      |       |                                                                       |                                                                                           |                 |                |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION |       | DRAWING                                                               | SERIES                                                                                    | MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|                                                                                                                                               |  |                        |       | A3-SIZE                                                               | 51110                                                                                     | SEE TABLE       | GENERAL MARKET | 2 OF 2       |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/11/21 | 08:28:36 |
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DATE: 2021/05/01

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