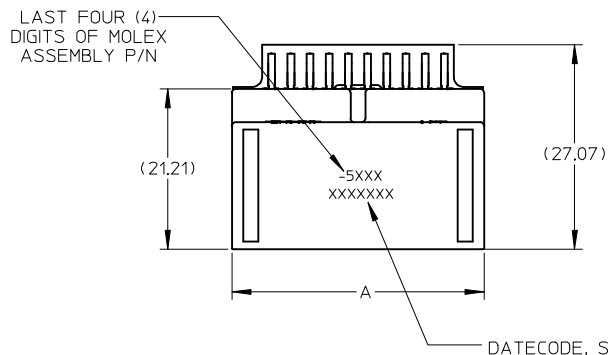
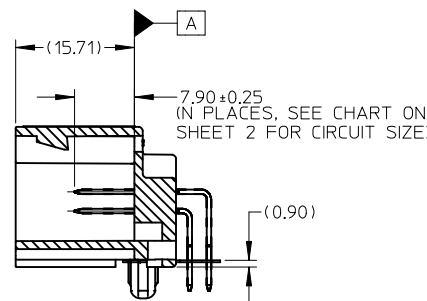


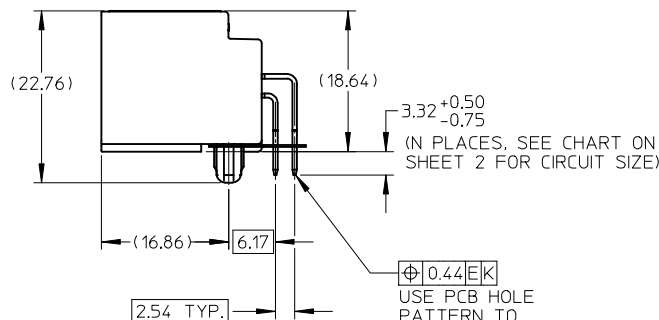
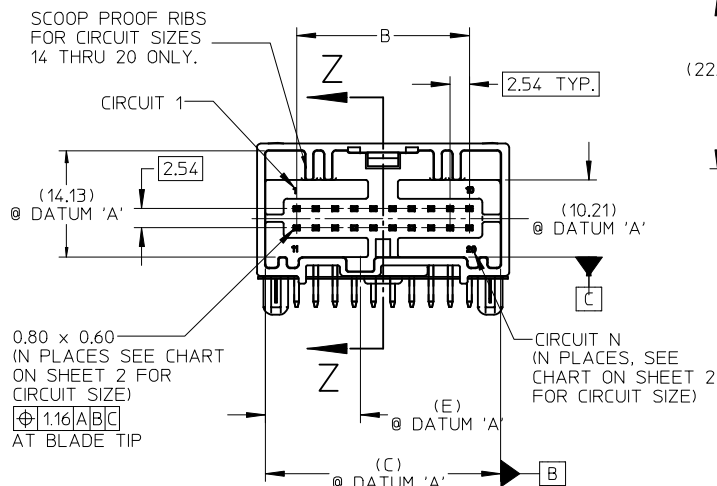
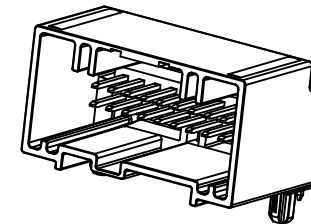


20 CIRCUIT RIGHT ANGLE  
HEADER ASSEMBLY SHOWN

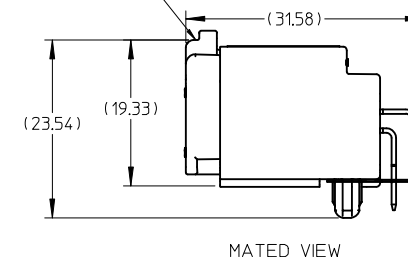
DATECODE, SEE NOTE 6



SECTION Z-Z



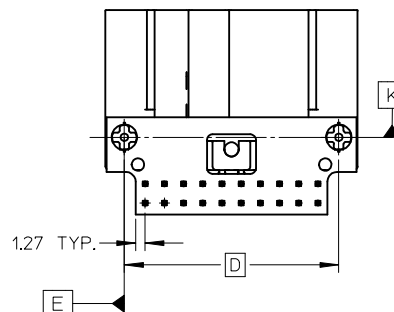
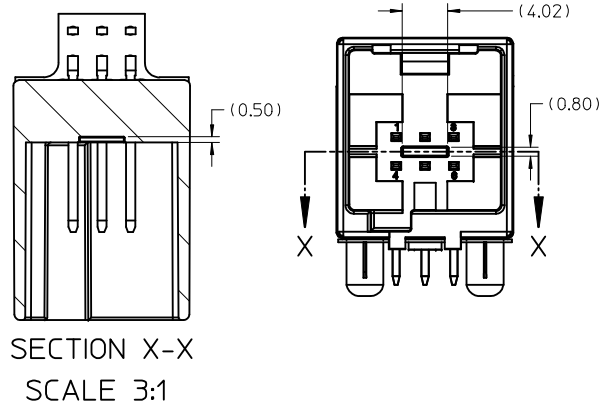
HARNESS ASSEMBLY  
SEE SALES DRAWING  
SD-30700-120.



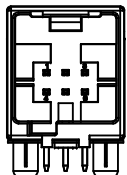
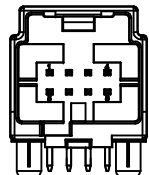
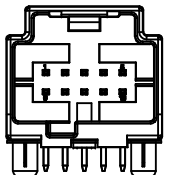
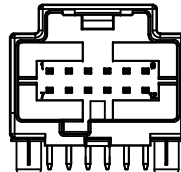
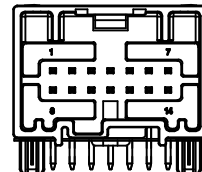
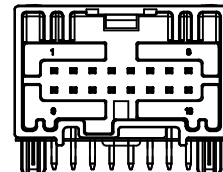
NOTES:

1. MATERIAL: HOUSING: SPS, GLASS FILLED, COLOR: SEE CHART.  
TERMINAL: COPPER ALLOY.  
PIN ALIGNMENT PLATE: MYLAR, COLOR: NATURAL (WHITE).
2. FINISHES: TERMINAL: TIN (Sn) OVERALL,  
THICKNESS = 1.5 MICROMETER MINIMUM;  
NICKEL (Ni) UNDERPLATE OVERALL.
3. PRODUCT SPECIFICATION: PS-30700-0001
4. PACKAGING SPECIFICATION : TUBE: PK-30907-227, TRAY: PK-30907-260
5. MATES WITH: SERIES 30700, SEE SALES DRAWING SD-30700-120.
6. DATECODE DESCRIPTION:
  - 1ST DIGIT: MACHINE ID# (ALWAYS WILL BE '2')
  - 2ND THROUGH 4TH DIGIT: DAY# OF THE CALENDAR YEAR (EXAMPLE: FEB. 3RD = '034')
  - 5TH DIGIT: LAST DIGIT OF THE CALENDAR YEAR (EXAMPLE: 1999 = '9')
  - 6TH THROUGH 7TH DIGIT: HOUR OF THE DAY.
7. RECOMMENDED OPTIONAL SCREW: M2 x 0.89, 6mm IN LENGTH, PAN COLLAR HEAD, 6 LOBE.  
TORQUE: 7 NEWTON CENTIMETERS

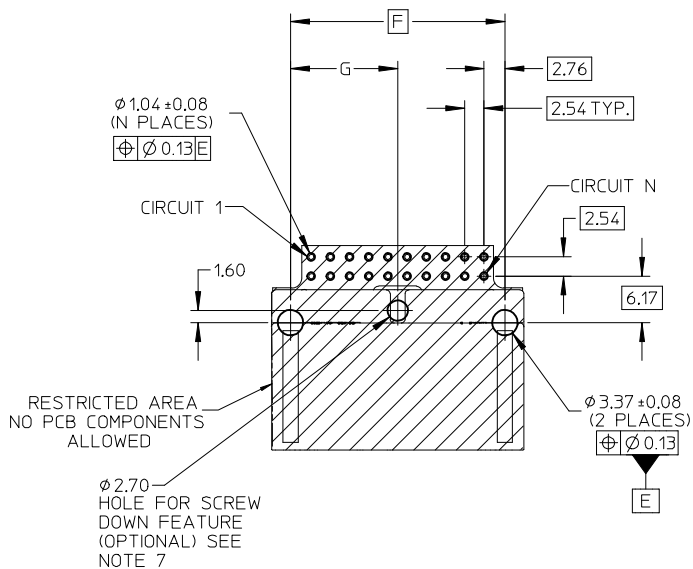
BELOW VIEWS APPLY TO  
30700-5067/8/9 PART NUMBERS



|                                                                                                                        |             |                                                        |                                                                                                                               |          |              |                            |                        |                                                         |                    |           |  |
|------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------------------------|------------------------|---------------------------------------------------------|--------------------|-----------|--|
| SEE ECN# UAU2001-0258<br>EC NO: UAU2014-1769<br>DRWN: JFISCHERO 2014/05/19<br>CHKD:<br>APPR: RBAUMAN 2014/05/28<br>REV | DESCRIPTION | QUALITY SYMBOLS<br><div>▽ - 0</div> <div>▽ C - 0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |          | SCALE<br>2:1 | DESIGN UNITS<br>METRIC     | THIRD ANGLE PROJECTION |                                                         | REVISE ON CAD ONLY |           |  |
|                                                                                                                        |             |                                                        | DRAFT WHERE APPLICABLE<br><br>MUST REMAIN WITHIN DIMENSIONS                                                                   |          |              | DIMENSION STYLE<br>MM ONLY |                        | TITLE<br>6-20 CIRCUIT<br>RIGHT ANGLE<br>HEADER ASSEMBLY |                    |           |  |
|                                                                                                                        |             |                                                        |                                                                                                                               | 4 PLACES | ± ---        | ± ---                      | DRAWN BY               |                                                         |                    |           |  |
|                                                                                                                        |             |                                                        |                                                                                                                               | 3 PLACES | ± ---        | ± ---                      | RCARLSON               | 01/03/20                                                |                    |           |  |
|                                                                                                                        |             |                                                        |                                                                                                                               | 2 PLACES | ± 0.13       | ± ---                      | CHECKED BY             | DATE                                                    |                    |           |  |
|                                                                                                                        |             |                                                        |                                                                                                                               | 1 PLACE  | ± 0.25       | ± ---                      | CKRISHNA               | 01/03/27                                                |                    |           |  |
|                                                                                                                        |             |                                                        | ANGULAR ± 1 °                                                                                                                 |          | APPROVED BY  | DATE                       | MATERIAL NO.           |                                                         | DOCUMENT NO.       | SHEET NO. |  |
|                                                                                                                        |             |                                                        |                                                                                                                               |          | LGEIB        | 01/03/28                   | ENTER-PART             |                                                         | SD-30700-520       | 1 OF 2    |  |
|                                                                                                                        |             |                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |          |              |                            |                        |                                                         |                    |           |  |

| 12                          | 11                          | 10                                                    | 9            | 8                  | 7     | 6     | 5     | 4     | 3                | 2                                                                                                                                                                       | 30700 |                                                                                                                                       |  |                                                                                                                                       |  |
|-----------------------------|-----------------------------|-------------------------------------------------------|--------------|--------------------|-------|-------|-------|-------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|
| PACKAGING                   |                             | POLARIZATION OPTIONS & CIRCUIT SIZE                   |              | PRODUCT DIMENSIONS |       |       |       |       |                  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| ASSEMBLY P/N<br>TRAY PACKED | ASSEMBLY P/N<br>TUBE PACKED | RIGHT ANGLE HEADER ASSEMBLY<br>(POLARIZATION OPTIONS) | CIRCUIT SIZE | A                  | B     | (C)   | D     | (E)   | HOUSING<br>COLOR |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5207                  | 30700-5204                  | POLARIZATION OPTION #1                                | 20           | 33.39              | 22.86 | 31.14 | 28.38 | 12.57 | GRAY             | <br>6 CIRCUIT RIGHT<br>ANGLE HEADER<br>30700-5060                                    |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5208                  | 30700-5205                  | POLARIZATION OPTION #2                                | 20           | 33.39              | 22.86 | 31.14 | 28.38 | 15.57 | BLACK            |                                                                                                                                                                         |       | <br>8 CIRCUIT RIGHT<br>ANGLE HEADER<br>30700-5080  |  |                                                                                                                                       |  |
| 30700-5209                  | 30700-5206                  | POLARIZATION OPTION #3                                | 20           | 33.39              | 22.86 | 31.14 | 28.38 | 18.57 | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  | <br>10 CIRCUIT RIGHT<br>ANGLE HEADER<br>30700-5100 |  |
| 30700-5187                  | 30700-5184                  | POLARIZATION OPTION #1                                | 18           | 30.85              | 20.32 | 28.60 | 25.84 | 11.31 | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5188                  | 30700-5185                  | POLARIZATION OPTION #2                                | 18           | 30.85              | 20.32 | 28.60 | 25.84 | 14.31 | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5189                  | 30700-5186                  | POLARIZATION OPTION #3                                | 18           | 30.85              | 20.32 | 28.60 | 25.84 | 17.31 | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5167                  | 30700-5164                  | POLARIZATION OPTION #1                                | 16           | 28.31              | 17.78 | 26.06 | 23.30 | 10.04 | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5168                  | 30700-5165                  | POLARIZATION OPTION #2                                | 16           | 28.31              | 17.78 | 26.06 | 23.30 | 13.04 | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5169                  | 30700-5166                  | POLARIZATION OPTION #3                                | 16           | 28.31              | 17.78 | 26.06 | 23.30 | 16.04 | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5147                  | 30700-5144                  | POLARIZATION OPTION #1                                | 14           | 25.77              | 15.24 | 23.52 | 20.76 | 8.77  | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5148                  | 30700-5145                  | POLARIZATION OPTION #2                                | 14           | 25.77              | 15.24 | 23.52 | 20.76 | 11.77 | BLACK            | <br>12 CIRCUIT RIGHT<br>ANGLE HEADER<br>30700-5120                                   |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5149                  | 30700-5146                  | POLARIZATION OPTION #3                                | 14           | 25.77              | 15.24 | 23.52 | 20.76 | 14.77 | NATURAL (CREAM)  |                                                                                                                                                                         |       | <br>14 CIRCUIT RIGHT<br>ANGLE HEADER<br>30700-5147 |  |                                                                                                                                       |  |
| 30700-5120                  | 30700-5124                  | POLARIZATION OPTION #1                                | 12           | 23.23              | 12.70 | 20.98 | 18.22 | 7.50  | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  | <br>16 CIRCUIT RIGHT<br>ANGLE HEADER<br>30700-5167 |  |
| 30700-5121                  | 30700-5125                  | POLARIZATION OPTION #2                                | 12           | 23.23              | 12.70 | 20.98 | 18.22 | 10.50 | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5122                  | 30700-5126                  | POLARIZATION OPTION #3                                | 12           | 23.23              | 12.70 | 20.98 | 18.22 | 13.50 | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5100                  | 30700-5104                  | POLARIZATION OPTION #1                                | 10           | 20.69              | 10.16 | 18.44 | 15.68 | 6.23  | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5101                  | 30700-5105                  | POLARIZATION OPTION #2                                | 10           | 20.69              | 10.16 | 18.44 | 15.68 | 9.23  | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5102                  | 30700-5106                  | POLARIZATION OPTION #3                                | 10           | 20.69              | 10.16 | 18.44 | 15.68 | 12.23 | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5080                  | 30700-5084                  | POLARIZATION OPTION #1                                | 8            | 18.15              | 7.62  | 15.90 | 13.14 | 4.96  | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5081                  | 30700-5085                  | POLARIZATION OPTION #2                                | 8            | 18.15              | 7.62  | 15.90 | 13.14 | 7.96  | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5082                  | 30700-5086                  | POLARIZATION OPTION #3                                | 8            | 18.15              | 7.62  | 15.90 | 13.14 | 10.96 | NATURAL (CREAM)  |   |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5060                  | 30700-5064                  | POLARIZATION OPTION #1                                | 6            | 15.61              | 5.08  | 13.36 | 10.60 | 3.69  | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5061                  | 30700-5065                  | POLARIZATION OPTION #2                                | 6            | 15.61              | 5.08  | 13.36 | 10.60 | 6.69  | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5062                  | 30700-5066                  | POLARIZATION OPTION #3                                | 6            | 15.61              | 5.08  | 13.36 | 10.60 | 9.69  | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5067                  | TBD                         | POLARIZATION OPTION #1 (MOAT)                         | 6            | 15.61              | 5.08  | 13.36 | 10.60 | 3.69  | GRAY             |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5068                  | TBD                         | POLARIZATION OPTION #2 (MOAT)                         | 6            | 15.61              | 5.08  | 13.36 | 10.60 | 6.69  | BLACK            |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |
| 30700-5069                  | TBD                         | POLARIZATION OPTION #3 (MOAT)                         | 6            | 15.61              | 5.08  | 13.36 | 10.60 | 9.69  | NATURAL (CREAM)  |                                                                                                                                                                         |       |                                                                                                                                       |  |                                                                                                                                       |  |

20 CIRCUIT PCB LAYOUT  
SHOWN BELOW



| PCB LAYOUT DIMENSIONS |       |       |
|-----------------------|-------|-------|
| CIRCUIT SIZE (N)      | 28.38 | 14.19 |
| 18                    | 25.84 | 12.92 |
| 16                    | 23.30 | 11.65 |
| 14                    | 20.76 | 10.38 |
| 12                    | 18.22 | 9.11  |
| 10                    | 15.68 | 7.84  |
| 8                     | 13.14 | 6.57  |
| 6                     | 10.60 | 5.30  |

|                                                                                                                |                               |                                                                                                                                                                                                                               |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |                  |
|----------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| SEE ECN# UAU2001-0258<br>EC NO: UAU2014-1769<br>DRWN: JFISCHER 2014/05/19<br>CHKD:<br>APPR: RBAUMAN 2014/05/28 | QUALITY SYMBOLS<br>▽ 0<br>▽ 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ± 1 °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS | SCALE 2:1<br>DESIGN UNITS METRIC<br>DIMENSION STYLE MM ONLY<br>DRAWN BY DATE<br>RCARLSON 01/03/20<br>CHECKED BY DATE<br>CKRISHNA 01/03/27<br>APPROVED BY DATE<br>LGEIB 01/03/28 | THIRD ANGLE PROJECTION<br>REVISE ON CAD ONLY<br>6-20 CIRCUIT RIGHT ANGLE HEADER ASSEMBLY<br>MOLEX MOLEX INCORPORATED<br>ENTER-PART SD-30700-520<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SHEET NO. 2 OF 2 |
|                                                                                                                |                               |                                                                                                                                                                                                                               |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |                  |
|                                                                                                                |                               |                                                                                                                                                                                                                               |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |                  |
|                                                                                                                |                               |                                                                                                                                                                                                                               |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |                  |

PCB LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: 1.57±0.17