

## Excellent Integrated System Limited

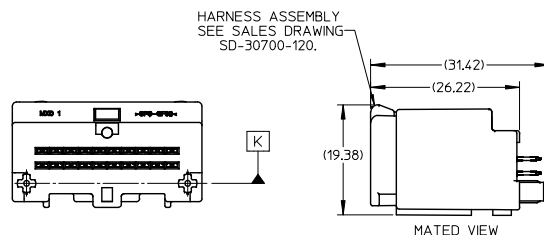
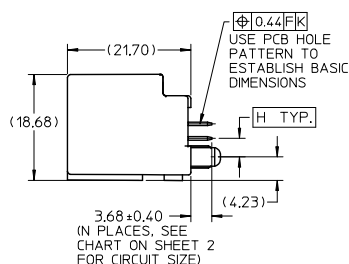
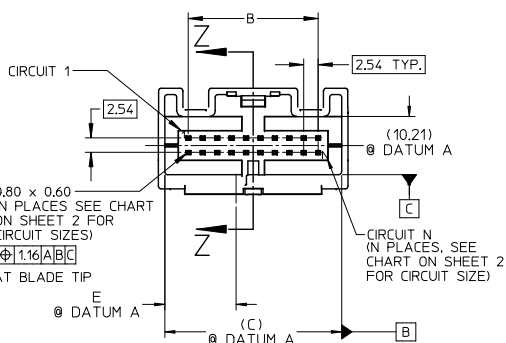
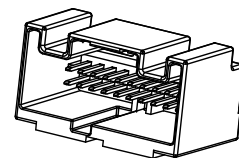
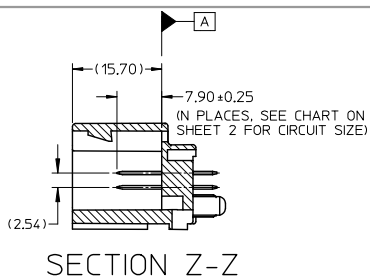
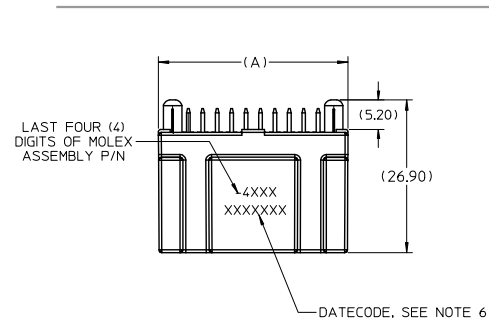
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0307004162](#)

For any questions, you can email us directly:

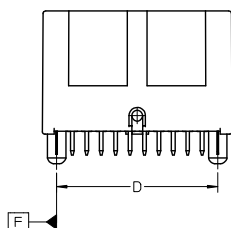
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



**NOTES:**

1. MATERIAL: HOUSING: SPS, GLASS FILLED, COLOR: SEE CHART. TERMINAL: COPPER ALLOY C26000.
2. FINISHES: TERMINAL: 150-250μm TIN (Sn) OVERALL, 125μm MIN 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#
  - 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

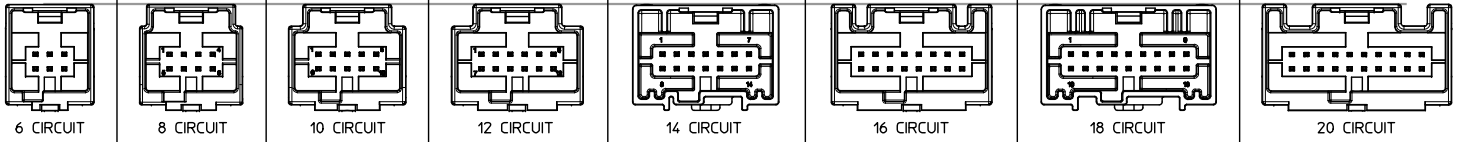
**20 CIRCUIT VERTICAL HEADER ASSEMBLY SHOWN**



|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        |                 |              |                                                                                                              |                    |  |  |                                                                                                                               |              |           |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------------------------------------------------------------------------------------------------------|--------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| SEE ECN# UAU2001-0258<br>EC NO: UAU2017-0015<br>DRAWN: JFSCHEER0205/06/09<br>CHKD: APPR: RBAUMAN 2016/07/15<br>E3 | QUALITY SYMBOLS<br><br>- 0<br><br>- 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><br>mm      INCH<br><br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br><br>ANGULAR ± 1 °<br><br>DRAFT WHERE APPLICABLE<br><br>MUST REMAIN WITHIN DIMENSIONS | SCALE           | DESIGN UNITS |  THIRD ANGLE PROJECTION | REVISE ON CAD ONLY |  |  |                                                                                                                               |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | 2:1             | METRIC       |                                                                                                              |                    |  |  | TITLE                                                                                                                         |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | DIMENSION STYLE |              |                                                                                                              |                    |  |  | 6-20 CIRCUIT VERTICAL HEADER ASSEMBLY                                                                                         |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | MM ONLY         |              |                                                                                                              |                    |  |  | MOLEX MOLEX INCORPORATED                                                                                                      |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | DRAWN BY        | DATE         |                                                                                                              |                    |  |  | MATERIAL NO.                                                                                                                  | DOCUMENT NO. | SHEET NO. |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | RCARLSON        | 01/03/20     |                                                                                                              |                    |  |  | ENTER-PART SD-30700-420                                                                                                       | 1 OF 3       |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | CHECKED BY      | DATE         |                                                                                                              |                    |  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | CKRISHNA        | 01/03/27     |                                                                                                              |                    |  |  |                                                                                                                               |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | APPROVED BY     | DATE         |                                                                                                              |                    |  |  |                                                                                                                               |              |           |
|                                                                                                                   |                                       |                                                                                                                                                                                                                                                        | LGEIB           | 01/03/28     |                                                                                                              |                    |  |  |                                                                                                                               |              |           |

lb\_frame\_C-B1  
rev. B1 2000/08/01

12 11 10 9 8 7 6 5 4 3 2 30700



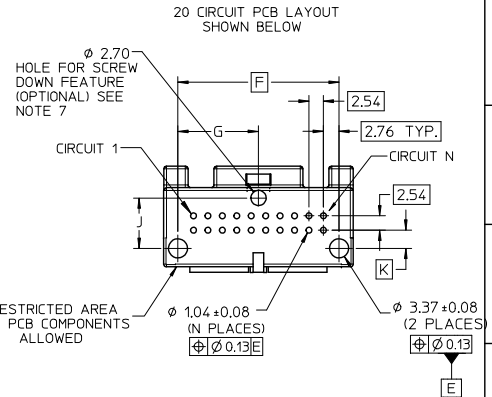
| PACKAGING                   |                             | POLARIZATION OPTIONS & CIRCUIT SIZE                |              | PRODUCT DIMENSIONS |       |       |       |       |      |                  |          |  |  |
|-----------------------------|-----------------------------|----------------------------------------------------|--------------|--------------------|-------|-------|-------|-------|------|------------------|----------|--|--|
| ASSEMBLY P/N<br>TRAY PACKED | ASSEMBLY P/N<br>TUBE PACKED | VERTICAL HEADER ASSEMBLY<br>(POLARIZATION OPTIONS) | CIRCUIT SIZE | (A)                | B     | (C)   | D     | E     | H    | HOUSING<br>COLOR | STATUS   |  |  |
| 30700-4200                  | 30700-4204                  | POLARIZATION OPTION #1                             | 20           | 33.38              | 22.86 | 31.14 | 28.38 | 12.57 | 3.20 | GRAY             | RELEASED |  |  |
| 30700-4201                  | 30700-4205                  | POLARIZATION OPTION #2                             | 20           | 33.38              | 22.86 | 31.14 | 28.38 | 15.57 |      | BLACK            | RELEASED |  |  |
| 30700-4202                  | 30700-4206                  | POLARIZATION OPTION #3                             | 20           | 33.38              | 22.86 | 31.14 | 28.38 | 18.57 | 3.25 | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4187                  | ---                         | POLARIZATION OPTION #1                             | 18           | 30.84              | 20.32 | 28.60 | 25.84 | 11.31 |      | GRAY             | RELEASED |  |  |
| 30700-4188                  | ---                         | POLARIZATION OPTION #2                             | 18           | 30.84              | 20.32 | 28.60 | 25.84 | 14.31 | 3.20 | BLACK            | RELEASED |  |  |
| 30700-4189                  | ---                         | POLARIZATION OPTION #3                             | 18           | 30.84              | 20.32 | 28.60 | 25.84 | 17.31 |      | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4160                  | 30700-4164                  | POLARIZATION OPTION #1                             | 16           | 28.30              | 17.78 | 26.06 | 23.30 | 10.04 | 3.20 | GRAY             | RELEASED |  |  |
| 30700-4161                  | 30700-4165                  | POLARIZATION OPTION #2                             | 16           | 28.30              | 17.78 | 26.06 | 23.30 | 13.04 |      | BLACK            | RELEASED |  |  |
| 30700-4162                  | 30700-4166                  | POLARIZATION OPTION #3                             | 16           | 28.30              | 17.78 | 26.06 | 23.30 | 16.04 | 3.25 | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4147                  | ---                         | POLARIZATION OPTION #1                             | 14           | 25.76              | 15.24 | 23.52 | 20.76 | 8.77  |      | GRAY             | RELEASED |  |  |
| 30700-4148                  | ---                         | POLARIZATION OPTION #2                             | 14           | 25.76              | 15.24 | 23.52 | 20.76 | 11.77 | 3.20 | BLACK            | RELEASED |  |  |
| 30700-4149                  | ---                         | POLARIZATION OPTION #3                             | 14           | 25.76              | 15.24 | 23.52 | 20.76 | 14.77 |      | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4120                  | 30700-4124                  | POLARIZATION OPTION #1                             | 12           | 23.22              | 12.70 | 20.98 | 18.22 | 7.50  | 3.20 | GRAY             | RELEASED |  |  |
| 30700-4121                  | 30700-4125                  | POLARIZATION OPTION #2                             | 12           | 23.22              | 12.70 | 20.98 | 18.22 | 10.50 |      | BLACK            | RELEASED |  |  |
| 30700-4122                  | 30700-4126                  | POLARIZATION OPTION #3                             | 12           | 23.22              | 12.70 | 20.98 | 18.22 | 13.50 | 3.20 | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4100                  | 30700-4104                  | POLARIZATION OPTION #1                             | 10           | 20.68              | 10.16 | 18.44 | 15.68 | 6.23  |      | GRAY             | RELEASED |  |  |
| 30700-4101                  | 30700-4105                  | POLARIZATION OPTION #2                             | 10           | 20.68              | 10.16 | 18.44 | 15.68 | 9.23  | 3.20 | BLACK            | RELEASED |  |  |
| 30700-4102                  | 30700-4106                  | POLARIZATION OPTION #3                             | 10           | 20.68              | 10.16 | 18.44 | 15.68 | 12.23 |      | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4080                  | 30700-4084                  | POLARIZATION OPTION #1                             | 8            | 18.14              | 7.62  | 15.90 | 13.14 | 4.96  | 3.20 | GRAY             | RELEASED |  |  |
| 30700-4081                  | 30700-4085                  | POLARIZATION OPTION #2                             | 8            | 18.14              | 7.62  | 15.90 | 13.14 | 7.96  |      | BLACK            | RELEASED |  |  |
| 30700-4082                  | 30700-4086                  | POLARIZATION OPTION #3                             | 8            | 18.14              | 7.62  | 15.90 | 13.14 | 10.96 | 3.20 | NATURAL (CREAM)  | RELEASED |  |  |
| 30700-4060                  | 30700-4064                  | POLARIZATION OPTION #1                             | 6            | 15.60              | 5.08  | 13.36 | 10.60 | 3.69  |      | GRAY             | RELEASED |  |  |
| 30700-4061                  | 30700-4065                  | POLARIZATION OPTION #2                             | 6            | 15.60              | 5.08  | 13.36 | 10.60 | 6.69  | 3.20 | BLACK            | RELEASED |  |  |
| 30700-4062                  | 30700-4066                  | POLARIZATION OPTION #3                             | 6            | 15.60              | 5.08  | 13.36 | 10.60 | 9.69  |      | NATURAL (CREAM)  | RELEASED |  |  |

**31390 SERIES DENOTES HDAC WITH SIDE STRAIN RELIEF WINGS AS SHOWN ON SHEET 3**

| PACKAGING                   |                             | POLARIZATION OPTIONS & CIRCUIT SIZE                |              | PRODUCT DIMENSIONS |       |       |       |      |                  |              |  |  |  |
|-----------------------------|-----------------------------|----------------------------------------------------|--------------|--------------------|-------|-------|-------|------|------------------|--------------|--|--|--|
| ASSEMBLY P/N<br>TRAY PACKED | ASSEMBLY P/N<br>TUBE PACKED | VERTICAL HEADER ASSEMBLY<br>(POLARIZATION OPTIONS) | CIRCUIT SIZE | (A)                | B     | (C)   | D     | E    | HOUSING<br>COLOR | STATUS       |  |  |  |
| 31390-4101                  | 31390-4105                  | POLARIZATION OPTION #2                             | 10           | 20.69              | 10.16 | 18.44 | 15.68 | 9.22 | GRAY             | NOT RELEASED |  |  |  |

**30700-4067/8/9 PART NUMBER DENOTES HDAC WITH MOAT FEATURE**

| PACKAGING                   |                             | POLARIZATION OPTIONS & CIRCUIT SIZE                |              | PRODUCT DIMENSIONS |      |       |       |      |                  |          |  |  |  |
|-----------------------------|-----------------------------|----------------------------------------------------|--------------|--------------------|------|-------|-------|------|------------------|----------|--|--|--|
| ASSEMBLY P/N<br>TRAY PACKED | ASSEMBLY P/N<br>TUBE PACKED | VERTICAL HEADER ASSEMBLY<br>(POLARIZATION OPTIONS) | CIRCUIT SIZE | (A)                | B    | (C)   | D     | E    | HOUSING<br>COLOR | STATUS   |  |  |  |
| 30700-4067                  | TBD                         | POLARIZATION OPTION #1                             | 6            | 15.60              | 5.08 | 13.36 | 10.60 | 3.69 | GRAY             | RELEASED |  |  |  |
| 30700-4068                  | TBD                         | POLARIZATION OPTION #2                             | 6            | 15.60              | 5.08 | 13.36 | 10.60 | 6.69 | BLACK            | RELEASED |  |  |  |
| 30700-4069                  | TBD                         | POLARIZATION OPTION #3                             | 6            | 15.60              | 5.08 | 13.36 | 10.60 | 9.69 | NATURAL (CREAM)  | RELEASED |  |  |  |



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

| PCB LAYOUT DIMENSIONS |       |       |      |      |
|-----------------------|-------|-------|------|------|
| CIRCUIT SIZE (N)      | F     | G     | J    | K    |
| 20                    | 28.38 | 14.19 | 8.87 | 3.20 |
| 18                    | 25.84 | 12.92 | 8.94 | 3.25 |
| 16                    | 23.30 | 11.65 | 8.87 | 3.20 |
| 14                    | 20.76 | 10.38 | 8.94 | 3.25 |
| 12                    | 18.22 | 9.11  | 8.87 | 3.20 |
| 10                    | 15.68 | 7.84  | 8.87 | 3.20 |
| 8                     | 13.14 | 6.57  | 8.87 | 3.20 |
| 6                     | 10.60 | 5.30  | 8.87 | 3.20 |

|                                   |                                                                                                                               |                                                                                                                                          |                     |                                                                   |                    |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------|--------------------|
| QUALITY SYMBOLS<br>▽ - 0<br>▽ - 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         | SCALE 2:1                                                                                                                                | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION                                            | REVISE ON CAD ONLY |
|                                   | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ± 1 °                | DIMENSION STYLE MM ONLY<br>DRAWN BY R. CARLSON DATE 01/03/20<br>CHECKED BY C. KRISHNA DATE 01/03/27<br>APPROVED BY L. GEIB DATE 01/03/28 |                     | TITLE 6-20 CIRCUIT VERTICAL HEADER ASSEMBLY<br>MOLEX INCORPORATED |                    |
|                                   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                          | MATERIAL NO. ENTER-PART<br>DOCUMENT NO. SD-30700-420                                                                                     |                     | SHEET NO. 3 OF 3                                                  |                    |
|                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                                          |                     |                                                                   |                    |

11 10 9 8 7 6 5 4 3 2 1