

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0387206321

Status:

Active

Description:

9.53mm (.375") Pitch Beau™ PCB Terminal Strip, without Mounting Ends, 21 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-38710-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Component Type

Product Name

Type

Terminal Blocks

38720

Wire-to-Board

One Piece

Fixed Mount Barrier

Barrier Strip

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Entry Angle

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Wire Size AWG

Wire Size mm²

21

21

Black

Horizontal

None

Brass

Tin

Tin

Polyester

1

Horizontal

0.190 In

4.80 mm

None

0.125 In

3.18 mm

No

0.375 In

9.53 mm

0.375 In

9.53 mm

150

3.75

150

3.75

No

Dual-Barrier

No

No

-40°C to +130°C

14, 16, 18, 20, 22

0.50 - 1.50

Electrical

Current - Maximum per Contact

Voltage - Maximum

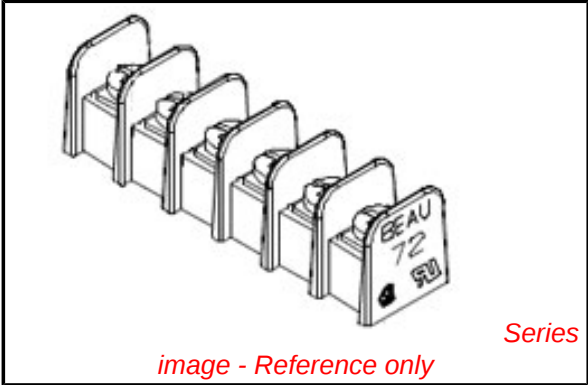
15A

300V

Material Info

Old Part Number

72521-C



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

38720Series

Mates With

N/A

**Reference - Drawing Numbers**

Product Specification

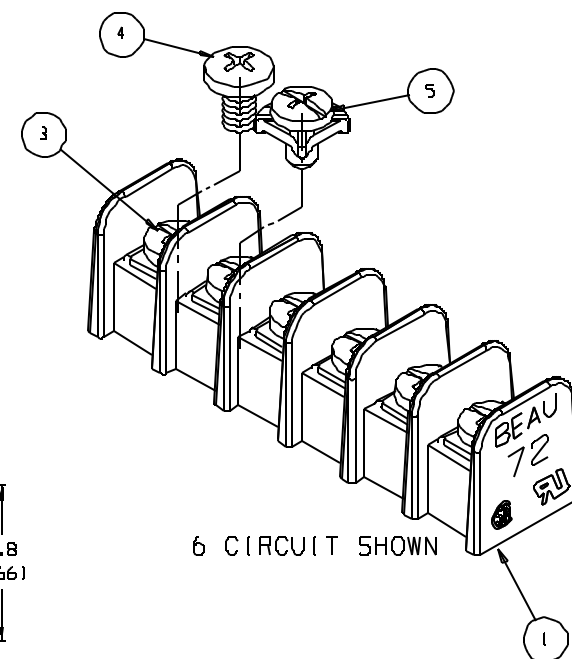
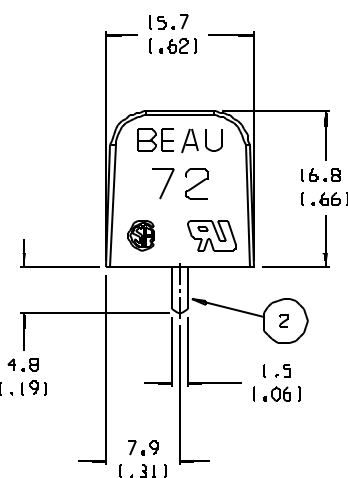
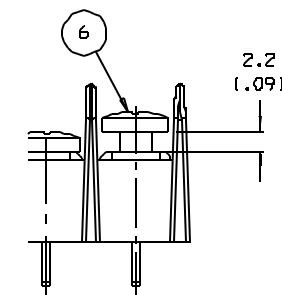
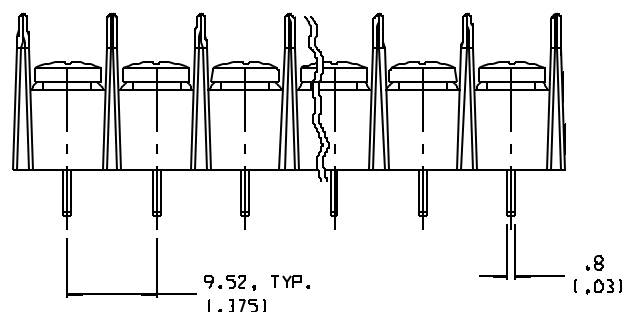
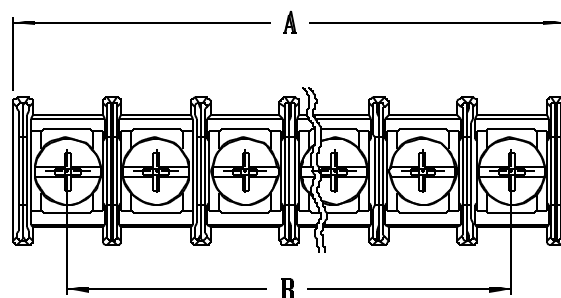
Sales Drawing

PS-38710-001

SD-38720-002

This document was generated on 04/23/2010

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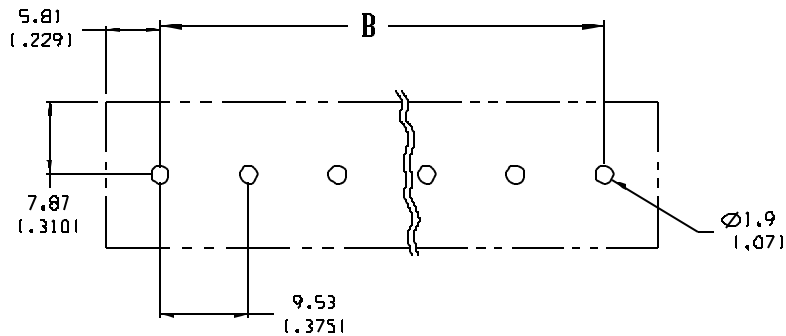
## NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. PRODUCT SPECIFICATION: UL & CSA CLASS B & C
4. PACKAGING: NOT REQUIRED
5. MATES WITH: NONE
6. "XX" REFERS TO QTY. OF CIRCUITS
7. INCH DIMS SHOWN IN PARENTHESES (XXI)

| 6    | XX   | #6-32 BHD, PHIL.-SLOTTED SCREW WRD | STEEL         | ZINC CLEAR CHROMATE |
|------|------|------------------------------------|---------------|---------------------|
| 5    | XX   | #6-32 PHIL.-SLOTTED SCREW W/WASHER | STEEL         | ZINC CLEAR CHROMATE |
| 4    | XX   | #6-32 BHD PHIL.-SLOTTED SCREW      | BRASS         | NICKEL PLATED       |
| 3    | XX   | #6-32 SCREW PHIL.-SLOTTED          | STEEL         | ZINC CLEAR CHROMATE |
| 2    | XX   | TERMINAL                           | BRASS         | TIN PLATED          |
| 1    | 1    | BARRIER                            | THERMOPLASTIC | BLACK               |
| ITEM | QTY. | DESCRIPTION                        | MATERIAL      | FINISH              |

|                                                      |                                                  |                                                                                                                                                                                      |  |                                                                                                   |                                                                                      |                                                                                                                                                                              |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EC NO. RELEASED WH 11/11/03<br>DRN: CHYK: APPR:<br>A | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL<br>SPC<br>S | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>1 PLACES ±.0015<br>2 PLACES ±.005<br>3 PLACES ±.01<br>4 PLACES ±.03<br>ANGULAR: ±2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SCALE 2:1<br>DESIGN UNITS<br><input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH | THIRD ANGLE PROJECTION<br><input checked="" type="checkbox"/> THIRD ANGLE PROJECTION | PROJECT NO. -<br>DIMENSIONS:<br><input checked="" type="checkbox"/> INCH <input type="checkbox"/> INCH <input type="checkbox"/> INCH ONLY<br>SHEET REV<br>REVISE ON CAD ONLY |
|                                                      |                                                  | DRAWN BY & DATE<br>W. HOWARD 11/11/03<br>CHECKED BY & DATE<br>APPROVED BY & DATE                                                                                                     |  | TITLE:<br>SR, BTS, NO MTG, PC ASSY                                                                |                                                                                      |                                                                                                                                                                              |
|                                                      |                                                  | CAD FILENAME<br>725XX-C                                                                                                                                                              |  | MATERIAL NO. SEE TABLE<br>DRAWING NO. SD-38720-002<br>SHEET NO. 1 OF 2                            |                                                                                      |                                                                                                                                                                              |
|                                                      |                                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.                                                       |  |                                                                                                   |                                                                                      | SIZE B                                                                                                                                                                       |

| MATERIAL NO.<br>(OPT -C, -47) | MATERIAL NO.<br>(OPT -C, -50) | MATERIAL NO.<br>(OPT -C, -49) | MATERIAL NO.<br>(OPT -C) | NUMBER OF<br>CIRCUITS "XX" | DIM.<br>"A"  | DIM.<br>"B"    |
|-------------------------------|-------------------------------|-------------------------------|--------------------------|----------------------------|--------------|----------------|
| 38720-8102                    | 38720-7502                    | 38720-6902                    | 38720-6302               | 02                         | 21.1 (1.83)  | 9.53 (1.375)   |
| 38720-8103                    | 38720-7503                    | 38720-6903                    | 38720-6303               | 03                         | 30.7 (1.21)  | 19.05 (1.750)  |
| 38720-8104                    | 38720-7504                    | 38720-6904                    | 38720-6304               | 04                         | 40.1 (1.58)  | 28.58 (1.125)  |
| 38720-8105                    | 38720-7505                    |                               | 38720-6305               | 05                         | 49.8 (1.96)  | 38.10 (1.500)  |
| 38720-8106                    | 38720-7506                    | 38720-6906                    | 38720-6306               | 06                         | 59.2 (2.33)  | 47.63 (1.875)  |
|                               | 38720-7507                    | 38720-6907                    | 38720-6307               | 07                         | 68.8 (2.71)  | 57.15 (2.250)  |
| 38720-8108                    | 38720-7508                    | 38720-6908                    | 38720-6308               | 08                         | 78.3 (3.08)  | 66.68 (2.625)  |
| 38720-8109                    | 38720-7509                    | 38720-6909                    | 38720-6309               | 09                         | 87.8 (3.46)  | 76.20 (3.000)  |
| 38720-8110                    | 38720-7510                    | 38720-6910                    | 38720-6310               | 10                         | 97.3 (3.83)  | 85.73 (3.375)  |
|                               | 38720-7511                    | 38720-6911                    | 38720-6311               | 11                         | 106.9 (4.21) | 95.25 (3.750)  |
| 38720-8112                    | 38720-7512                    | 38720-6912                    | 38720-6312               | 12                         | 116.3 (4.58) | 104.78 (4.125) |
|                               | 38720-7513                    | 38720-6913                    | 38720-6313               | 13                         | 126.0 (4.96) | 114.30 (4.500) |
| 38720-8114                    | 38720-7514                    | 38720-6914                    | 38720-6314               | 14                         | 135.3 (5.33) | 123.83 (4.875) |
|                               | 38720-7515                    | 38720-6915                    | 38720-6315               | 15                         | 145.0 (5.71) | 133.35 (5.250) |
| 38720-8116                    | 38720-7516                    | 38720-6916                    | 38720-6316               | 16                         | 154.4 (6.08) | 142.88 (5.625) |
|                               | 38720-7517                    | 38720-6917                    | 38720-6317               | 17                         | 164.1 (6.46) | 152.40 (6.000) |
|                               | 38720-7518                    | 38720-6918                    | 38720-6318               | 18                         | 173.5 (6.83) | 161.93 (6.375) |
|                               | 38720-7519                    |                               | 38720-6319               | 19                         | 183.1 (7.21) | 171.45 (6.750) |
|                               | 38720-7520                    | 38720-6920                    | 38720-6320               | 20                         | 192.5 (7.58) | 180.98 (7.125) |
|                               | 38720-7521                    |                               | 38720-6321               | 21                         | 202.2 (7.96) | 190.50 (7.500) |
|                               | 38720-7522                    | 38720-6922                    | 38720-6322               | 22                         | 211.6 (8.33) | 200.03 (7.875) |
|                               | 38720-7523                    |                               | 38720-6323               | 23                         | 221.2 (8.71) | 209.55 (8.250) |
|                               | 38720-7524                    |                               | 38720-6324               | 24                         | 230.6 (9.08) | 219.08 (8.625) |
|                               | 38720-7525                    |                               | 38720-6325               | 25                         | 240.3 (9.46) | 228.60 (9.000) |
|                               | 38720-7526                    |                               | 38720-6326               | 26                         | 249.6 (9.83) | 238.13 (9.375) |



|                                   |             |                                                       |                                                         |          |                                       |                                                                                      |                           |             |                                                                                                                                   |           |                       |     |
|-----------------------------------|-------------|-------------------------------------------------------|---------------------------------------------------------|----------|---------------------------------------|--------------------------------------------------------------------------------------|---------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|-----|
| EC NO.<br>DRAWN:<br>CHK:<br>APPR: | DESCRIPTION | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL<br>C<br>SPC<br>S | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                |          | SCALE<br>2:1                          | DESIGN UNITS<br><input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH | THIRD ANGLE<br>PROJECTION | PROJECT NO. |                                                                                                                                   | SHEET NO. |                       |     |
|                                   |             |                                                       | 1 PLACES                                                | 2 PLACES |                                       |                                                                                      |                           | 1 PLACES    | 2 PLACES                                                                                                                          | TITLE     |                       | REV |
| A                                 | REV         |                                                       | 1 PLACES                                                | 2 PLACES | 1 PLACES                              | 2 PLACES                                                                             | 1 PLACES                  | 2 PLACES    | SR, BTS, NO MTG, PC ASSY                                                                                                          |           | REVISE ON<br>CAD ONLY |     |
|                                   |             |                                                       | 1 PLACES                                                | 2 PLACES | 1 PLACES                              | 2 PLACES                                                                             | 1 PLACES                  | 2 PLACES    | MOLEX INCORPORATED                                                                                                                |           |                       |     |
|                                   |             |                                                       | ANGULAR: $\pm 2^\circ$                                  |          | DRAWN BY & DATE<br>W. HOWARD 11/11/03 |                                                                                      | MATERIAL NO.<br>SEE TABLE |             | DRAWING NO.<br>SD-38720-002                                                                                                       |           | SHEET NO.<br>2 OF 2   |     |
|                                   |             |                                                       | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |          | APPROVED BY & DATE                    |                                                                                      | CAP FILENAME<br>725XX-C   |             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |           | SIZE<br>B             |     |