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Part Number:

0387207520

Status:

Active

Description:

9.53mm (.375") Pitch Beau™ PCB Terminal Strip, without Mounting Ends, 20 Circuits, with Screw Clamp Washer

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

20

20

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

12, 14, 16, 18, 20, 22

0.50 - 2.50

Electrical

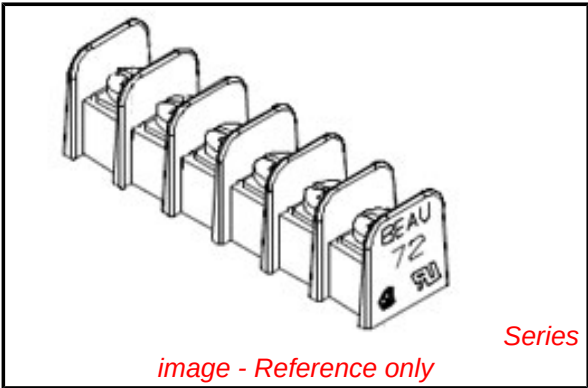
Current - Maximum per Contact

Voltage - Maximum

25A

300V

Solder Process Data



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

Old Part Number

72520-C-50

**Reference - Drawing Numbers**

Product Specification

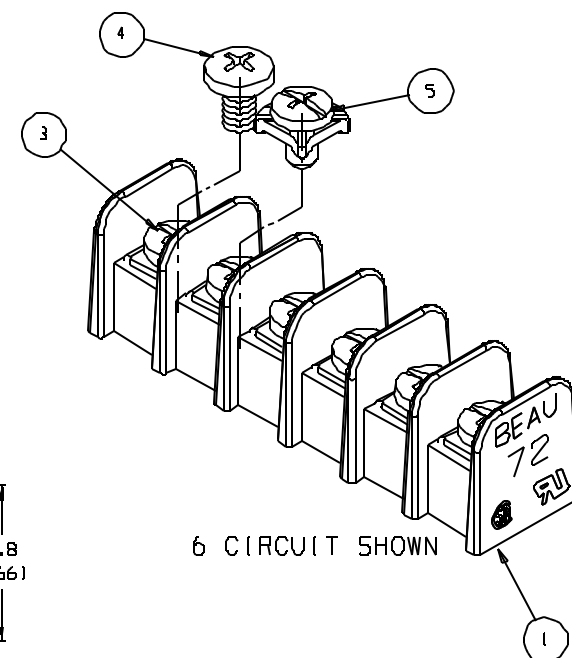
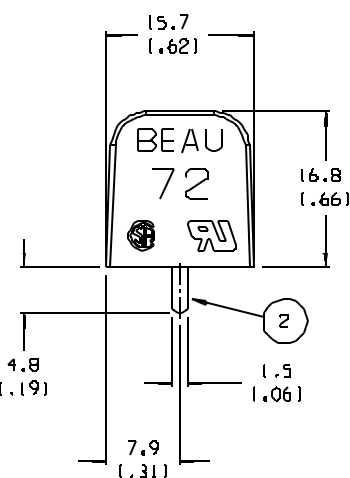
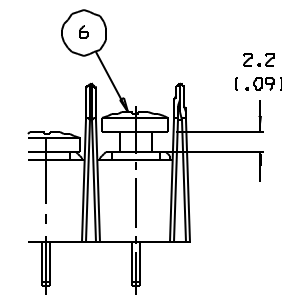
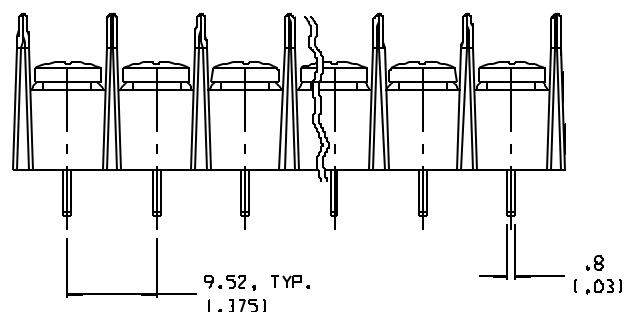
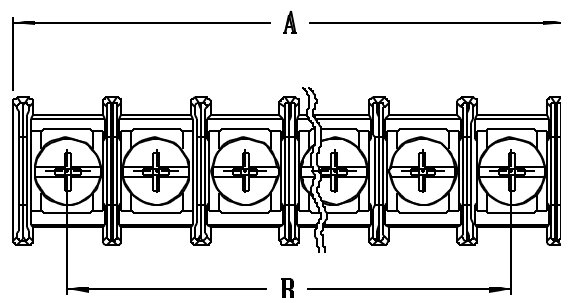
PS-38710-001

Sales Drawing

SD-38720-002

This document was generated on 04/23/2010

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6 CIRCUIT SHOWN

## NOTES:

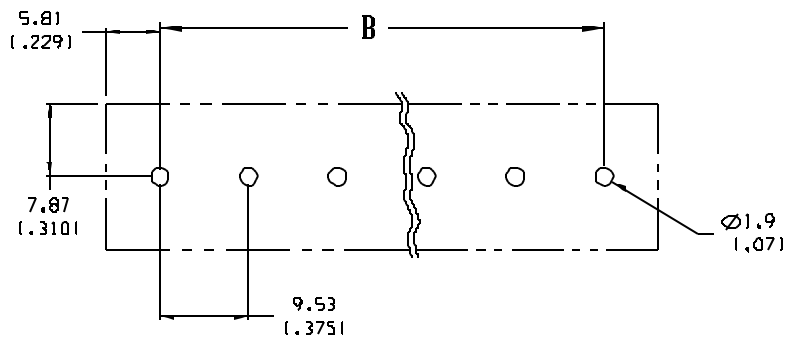
1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. PRODUCT SPECIFICATION: UL & CSA CLASS B & C
4. PACKAGING: NOT REQUIRED
5. MATES WITH: NONE
6. "XX" REFERS TO QTY. OF CIRCUITS
7. INCH DIMS SHOWN IN PARENTHESES (XXI)

| 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.<br>SEE TABLE                                                                         |                                                                                      |                                                                                                                                                                              |
|                                                      |                                                  | DRAWING NO.<br>SD-38720-002                                                                                                                                                          |  | SHEET NO.<br>1 OF 2                                                                               |                                                                                      |                                                                                                                                                                              |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

| MATERIAL NO.<br>10PT -C <sub>1</sub> -471 | MATERIAL NO.<br>10PT -C <sub>1</sub> -501 | MATERIAL NO.<br>10PT -C <sub>1</sub> -491 | MATERIAL NO.<br>10PT -C <sub>1</sub> | NUMBER OF<br>CIRCUITS "XX" | DIM.<br>"A"  | DIM.<br>"B"    |
|-------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------|----------------------------|--------------|----------------|
| 18720-8102                                | 18720-7502                                | 18720-6902                                | 18720-6302                           | 02                         | 21.1 (1.83)  | 9.53 (1.375)   |
| 18720-8103                                | 18720-7503                                | 18720-6903                                | 18720-6303                           | 03                         | 30.7 (1.21)  | 19.05 (1.750)  |
| 18720-8104                                | 18720-7504                                | 18720-6904                                | 18720-6304                           | 04                         | 40.1 (1.58)  | 28.58 (1.125)  |
| 18720-8105                                | 18720-7505                                |                                           | 18720-6305                           | 05                         | 49.8 (1.96)  | 38.10 (1.500)  |
| 18720-8106                                | 18720-7506                                | 18720-6906                                | 18720-6306                           | 06                         | 59.2 (2.33)  | 47.63 (1.875)  |
|                                           | 18720-7507                                | 18720-6907                                | 18720-6307                           | 07                         | 68.8 (2.71)  | 57.15 (2.250)  |
| 18720-8108                                | 18720-7508                                | 18720-6908                                | 18720-6308                           | 08                         | 78.3 (3.08)  | 66.68 (2.625)  |
| 18720-8109                                | 18720-7509                                | 18720-6909                                | 18720-6309                           | 09                         | 87.8 (3.46)  | 76.20 (3.000)  |
| 18720-8110                                | 18720-7510                                | 18720-6910                                | 18720-6310                           | 10                         | 97.3 (3.83)  | 85.73 (3.375)  |
|                                           | 18720-7511                                | 18720-6911                                | 18720-6311                           | 11                         | 106.9 (4.21) | 95.25 (3.750)  |
| 18720-8112                                | 18720-7512                                | 18720-6912                                | 18720-6312                           | 12                         | 116.3 (4.58) | 104.78 (4.125) |
|                                           | 18720-7513                                | 18720-6913                                | 18720-6313                           | 13                         | 126.0 (4.96) | 114.30 (4.500) |
| 18720-8114                                | 18720-7514                                | 18720-6914                                | 18720-6314                           | 14                         | 135.3 (5.33) | 123.83 (4.875) |
|                                           | 18720-7515                                | 18720-6915                                | 18720-6315                           | 15                         | 145.0 (5.71) | 133.35 (5.250) |
| 18720-8116                                | 18720-7516                                | 18720-6916                                | 18720-6316                           | 16                         | 154.4 (6.08) | 142.88 (5.625) |
|                                           | 18720-7517                                | 18720-6917                                | 18720-6317                           | 17                         | 164.1 (6.46) | 152.40 (6.000) |
|                                           | 18720-7518                                | 18720-6918                                | 18720-6318                           | 18                         | 173.5 (6.83) | 161.93 (6.375) |
|                                           | 18720-7519                                |                                           | 18720-6319                           | 19                         | 183.1 (7.21) | 171.45 (6.750) |
|                                           | 18720-7520                                | 18720-6920                                | 18720-6320                           | 20                         | 192.5 (7.58) | 180.98 (7.125) |
|                                           | 18720-7521                                |                                           | 18720-6321                           | 21                         | 202.2 (7.96) | 190.50 (7.500) |
|                                           | 18720-7522                                | 18720-6922                                | 18720-6322                           | 22                         | 211.6 (8.33) | 200.03 (7.875) |
|                                           | 18720-7523                                |                                           | 18720-6323                           | 23                         | 221.2 (8.71) | 209.55 (8.250) |
|                                           | 18720-7524                                |                                           | 18720-6324                           | 24                         | 230.6 (9.08) | 219.08 (8.625) |
|                                           | 18720-7525                                |                                           | 18720-6325                           | 25                         | 240.3 (9.46) | 228.60 (9.000) |
|                                           | 18720-7526                                |                                           | 18720-6326                           | 26                         | 249.6 (9.83) | 238.13 (9.375) |



PTH PATTERN

|                                                      |     |                                                                                                                                                                                                                                                                                                                    |                 |                                                                                                                                |                                                                                                                                                                                                                    |                                                                                                                 |                                                                                                                                                                                                                                                                                             |           |                    |     |
|------------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------|-----|
| EC NO. SEE SH1)<br>DRAWN: CH-K<br>APPR:              | REV | DESCRIPTION<br>MAJOR<br><br>ORITICAL<br><br>SPC<br> | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>1 PLACES ±.0015<br>2 PLACES ±.038 ±.005<br>3 PLACES ±.13 ±.01<br>1 PLACE ±.3          | SCALE 2:1<br>DES (IN UNITS)<br><input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH<br>DRAWN BY & DATE<br>W. HOWARD 11/11/03<br>CHECKED BY & DATE<br>APPROVED BY & DATE<br>CAP FILENAME<br>725XX-C | THIRD ANGLE PROJECTION<br> | PROJECT NO. :<br>DIMENSIONS:<br><input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH <input type="checkbox"/> INCH <input type="checkbox"/> INCH<br><input type="checkbox"/> INCH <input type="checkbox"/> INCH <input type="checkbox"/> INCH <input type="checkbox"/> INCH |           | SH1                | REV |
|                                                      |     |                                                                                                                                                                                                                                                                                                                    |                 |                                                                                                                                |                                                                                                                                                                                                                    |                                                                                                                 | TITLE:<br>SR, BTS, NO MTG, PC ASSY                                                                                                                                                                                                                                                          |           | MOLEX INCORPORATED |     |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |     |                                                                                                                                                                                                                                                                                                                    |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                                                                                                                                                    |                                                                                                                 |                                                                                                                                                                                                                                                                                             | SIZE<br>B |                    |     |