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**Part Number:** [0387206304](#)  
**Status:** **Active**  
**Description:** 9.53mm (.375") Pitch Beau™ PCB Terminal Strip, without Mounting Ends, 4 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-38710-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | Terminal Blocks       |
| Series         | <a href="#">38720</a> |
| Application    | Wire-to-Board         |
| Component Type | One Piece             |
| Product Name   | Fixed Mount Barrier   |
| Type           | Barrier Strip         |

**Physical**

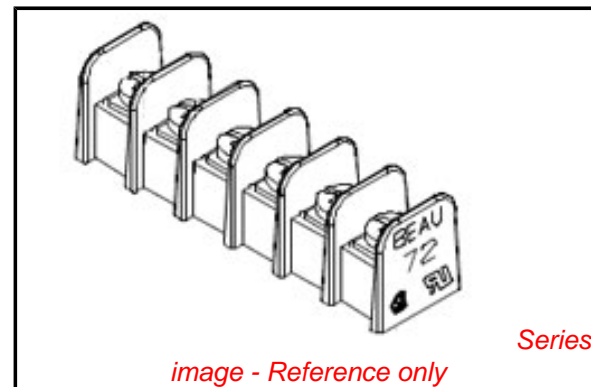
|                                |                    |
|--------------------------------|--------------------|
| Circuits (Loaded)              | 4                  |
| Circuits (maximum)             | 4                  |
| Color - Resin                  | Black              |
| Entry Angle                    | Horizontal         |
| Lock to Mating Part            | None               |
| Material - Metal               | Brass              |
| Material - Plating Mating      | Tin                |
| Material - Plating Termination | Tin                |
| Material - Resin               | Polyester          |
| Number of Rows                 | 1                  |
| Orientation                    | Horizontal         |
| PC Tail Length (in)            | 0.190 In           |
| PC Tail Length (mm)            | 4.80 mm            |
| PCB Retention                  | None               |
| PCB Thickness Recommended (in) | 0.125 In           |
| PCB Thickness Recommended (mm) | 3.18 mm            |
| Panel Mount                    | No                 |
| Pitch - Mating Interface (in)  | 0.375 In           |
| Pitch - Mating Interface (mm)  | 9.53 mm            |
| Pitch - Term. Interface (in)   | 0.375 In           |
| Pitch - Term. Interface (mm)   | 9.53 mm            |
| Plating min: Mating (µin)      | 150                |
| Plating min: Mating (µm)       | 3.75               |
| Plating min: Termination (µin) | 150                |
| Plating min: Termination (µm)  | 3.75               |
| Polarized to Mating Part       | No                 |
| Shrouded                       | Dual-Barrier       |
| Stackable                      | No                 |
| Surface Mount Compatible (SMC) | No                 |
| Temperature Range - Operating  | -40°C to +130°C    |
| Wire Size AWG                  | 14, 16, 18, 20, 22 |
| Wire Size mm²                  | 0.50 - 1.50        |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 15A  |
| Voltage - Maximum             | 300V |

**Solder Process Data**

|                              |                        |
|------------------------------|------------------------|
| Lead-free Process Capability | Wave Capable (TH only) |
|------------------------------|------------------------|



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free  
Status**  
**Not Reviewed**

**China RoHS**



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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

**Material Info**

Old Part Number

72504-C

**Reference - Drawing Numbers**

Product Specification

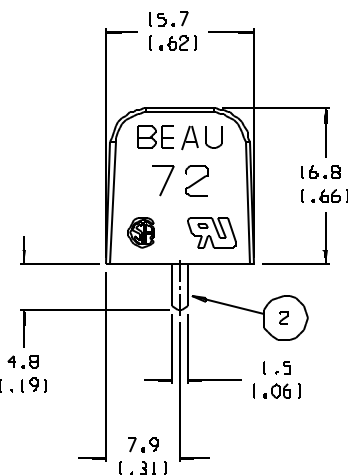
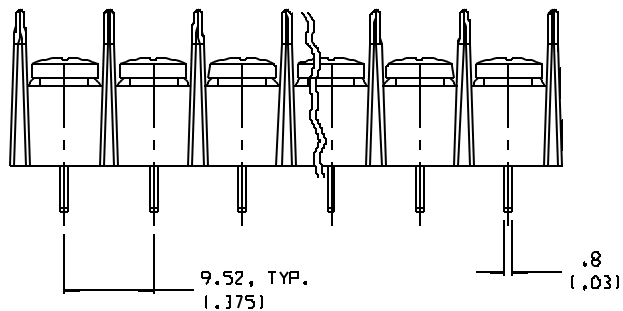
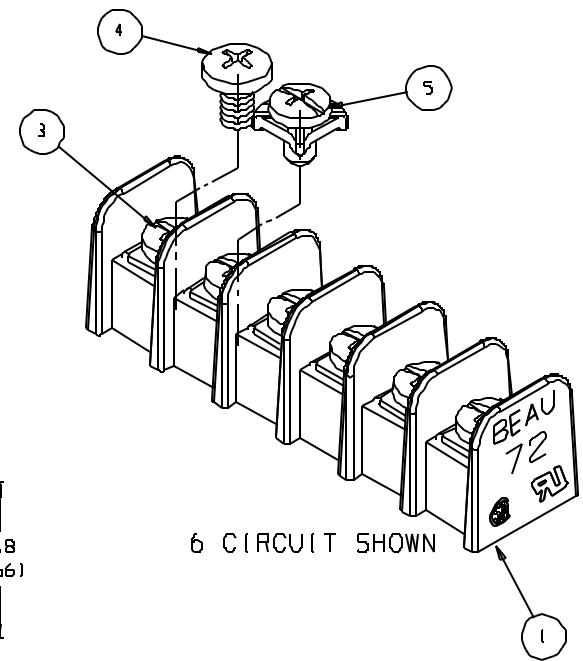
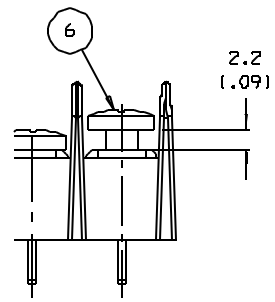
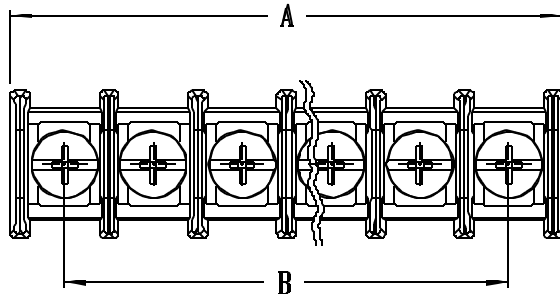
PS-38710-001

Sales Drawing

SD-38720-002

This document was generated on 04/23/2010

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- 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 (XX)

| ITEM | QTY. | DESCRIPTION                         | MATERIAL      | FINISH              |
|------|------|-------------------------------------|---------------|---------------------|
| 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               |

|  |  |  |                                       |  |  |                                    |                           |                             |
|--|--|--|---------------------------------------|--|--|------------------------------------|---------------------------|-----------------------------|
| EC NO. RELEASED WH (1/11)/03<br>DRN: CH'K: APPR:   | DESCRIPTION<br>MAJOR<br>CRITICAL<br>SPC<br>S | QUALITY SYMBOLS  | GENERAL TOLERANCES (UNLESS SPECIFIED) | SCALE 2:1<br>DESIGN UNITS <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH | THIRD ANGLE PROJECTION <input checked="" type="checkbox"/>                       | PROJECT NO.                        | SHEET REV                 |                             |
|  |  | 4 PLACES ±.0015<br>3 PLACES ±.008 ±.005<br>2 PLACES ±.13 ±.01<br>1 PLACE ±.3 | ANGLULAR: ±2°                         | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   | 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 | MATERIAL NO.<br>SEE TABLE | DRAWING NO.<br>SD-38720-002 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |  |                                       | MOLEX INCORPORATED   |  |                                    |                           | 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 (1.211)  | 19.05 (1.750)  |
| 38720-8104                    | 38720-7504                    | 38720-6904                    | 38720-6304               | 04                         | 40.1 (1.581)  | 28.58 (1.125)  |
| 38720-8105                    | 38720-7505                    |                               | 38720-6305               | 05                         | 49.8 (1.961)  | 38.10 (1.500)  |
| 38720-8106                    | 38720-7506                    | 38720-6906                    | 38720-6306               | 06                         | 59.2 (2.331)  | 47.63 (1.875)  |
|                               | 38720-7507                    | 38720-6907                    | 38720-6307               | 07                         | 68.8 (2.711)  | 57.15 (2.250)  |
| 38720-8108                    | 38720-7508                    | 38720-6908                    | 38720-6308               | 08                         | 78.3 (3.081)  | 66.68 (2.625)  |
| 38720-8109                    | 38720-7509                    | 38720-6909                    | 38720-6309               | 09                         | 87.8 (3.461)  | 76.20 (3.000)  |
| 38720-8110                    | 38720-7510                    | 38720-6910                    | 38720-6310               | 10                         | 97.3 (3.831)  | 85.73 (3.375)  |
|                               | 38720-7511                    | 38720-6911                    | 38720-6311               | 11                         | 106.9 (4.211) | 95.25 (3.750)  |
| 38720-8112                    | 38720-7512                    | 38720-6912                    | 38720-6312               | 12                         | 116.3 (4.581) | 104.78 (4.125) |
|                               | 38720-7513                    | 38720-6913                    | 38720-6313               | 13                         | 126.0 (4.961) | 114.30 (4.500) |
| 38720-8114                    | 38720-7514                    | 38720-6914                    | 38720-6314               | 14                         | 135.3 (5.331) | 123.83 (4.875) |
|                               | 38720-7515                    | 38720-6915                    | 38720-6315               | 15                         | 145.0 (5.711) | 133.35 (5.250) |
| 38720-8116                    | 38720-7516                    | 38720-6916                    | 38720-6316               | 16                         | 154.4 (6.081) | 142.88 (5.625) |
|                               | 38720-7517                    | 38720-6917                    | 38720-6317               | 17                         | 164.1 (6.461) | 152.40 (6.000) |
|                               | 38720-7518                    | 38720-6918                    | 38720-6318               | 18                         | 173.5 (6.831) | 161.93 (6.375) |
|                               | 38720-7519                    |                               | 38720-6319               | 19                         | 183.1 (7.211) | 171.45 (6.750) |
|                               | 38720-7520                    | 38720-6920                    | 38720-6320               | 20                         | 192.5 (7.581) | 180.98 (7.125) |
|                               | 38720-7521                    |                               | 38720-6321               | 21                         | 202.2 (7.961) | 190.50 (7.500) |
|                               | 38720-7522                    | 38720-6922                    | 38720-6322               | 22                         | 211.6 (8.331) | 200.03 (7.875) |
|                               | 38720-7523                    |                               | 38720-6323               | 23                         | 221.2 (8.711) | 209.55 (8.250) |
|                               | 38720-7524                    |                               | 38720-6324               | 24                         | 230.6 (9.081) | 219.08 (8.625) |
|                               | 38720-7525                    |                               | 38720-6325               | 25                         | 240.3 (9.461) | 228.60 (9.000) |
|                               | 38720-7526                    |                               | 38720-6326               | 26                         | 249.6 (9.831) | 238.13 (9.375) |



|   |  |  |              |  |  |                        |  |                                    |
|---|--|--|--------------|--|--|------------------------|--|------------------------------------|
| EC NO. SEE SH1<br>DRAWN BY: HW<br>CHECKED BY: HW<br>APPROVED BY: HW | QUALITY SYMBOLS<br>MAJOR<br>CRITICAL<br>SPEC | GENERAL TOLERANCES UNLESS SPECIFIED                                  |              | SCALE: 2:1   | DESIGN UNITS: <input type="checkbox"/> MM <input checked="" type="checkbox"/> INCH | THIRD ANGLE PROJECTION | PROJECT NO.:<br>DIMENSIONS: <input checked="" type="checkbox"/> DIM INCH <input type="checkbox"/> DIM MM <input type="checkbox"/> DIM ONLY | SHEET NO. REV<br>2 OF 2            |
|   |  | 1 PLACES ±.0015<br>2 PLACES ±.005<br>3 PLACES ±.013<br>4 PLACES ±.01 | ANSULAR: ±2° | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DRAWN BY & DATE<br>W. HOWARD 11/11/03  | CHECKED BY & DATE      | APPROVED BY & DATE   | TITLE:<br>SR, BTS, NO MTG, PC ASSY |
| A   | REV  | CAD FILENAME<br>725XX-C  |              | MATERIAL NO.<br>SEE TABLE                            | DRAWING NO.<br>SD-38720-002  | SHEET NO.<br>2 OF 2    | SIZE<br>B  |                                    |

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