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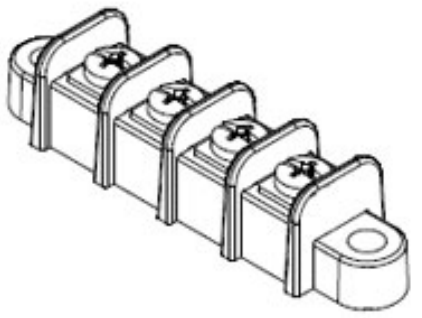
This document was generated on 04/23/2010

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0387406106

**Status:** Active

**Description:** 11.11mm (.437") Pitch Beau™ PCB Fixed Mount Barrier Terminal Strip, Low Profile, 300V, 6 Circuits



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-38730-001 (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | Terminal Blocks |
| Series | 38740 |
| Application | Wire-to-Board |
| Component Type | One Piece |
| Product Name | Fixed Mount Barrier |
| Type | Barrier Strip |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Black |
| Entry Angle | Horizontal |
| Lock to Mating Part | No |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Polyester Alloy |
| Number of Rows | 1 |
| Orientation | Horizontal |
| PC Tail Length (in) | 0.216 In |
| PC Tail Length (mm) | 5.50 mm |
| PCB Retention | Yes |
| PCB Thickness Recommended (in) | 0.093 In |
| PCB Thickness Recommended (mm) | 2.40 mm |
| Panel Mount | No |
| Pitch - Mating Interface (in) | 0.437 In |
| Pitch - Mating Interface (mm) | 11.11 mm |
| Pitch - Term. Interface (in) | 0.437 In |
| Pitch - Term. Interface (mm) | 11.11 mm |
| Polarized to Mating Part | No |
| Stackable | 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) |

## Material Info

| | |
|---|---|
| Old Part Number | 74506 |

## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-38730-001 |

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

**China RoHS**

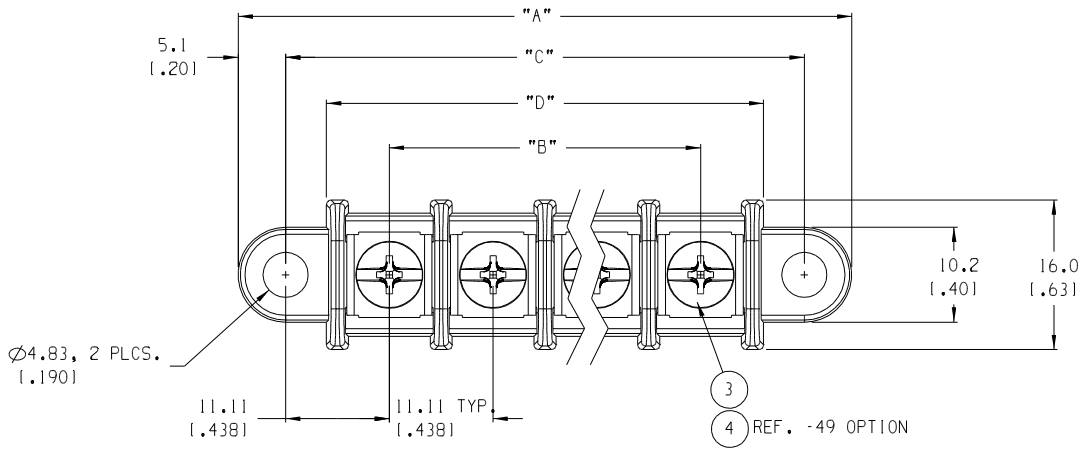
**Need more information on product environmental compliance?**

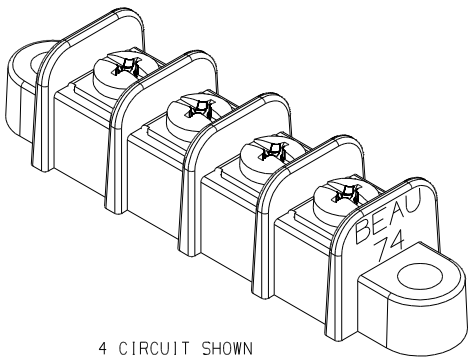
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

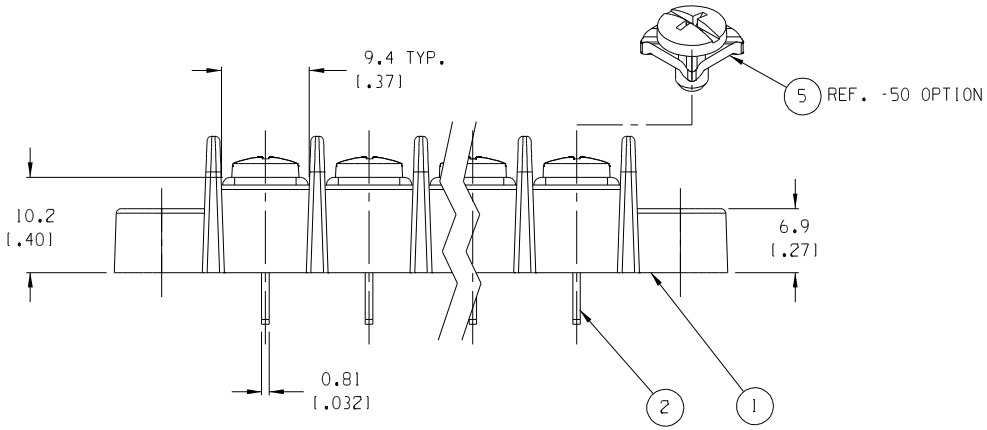
**Search Parts in this Series**
38740Series

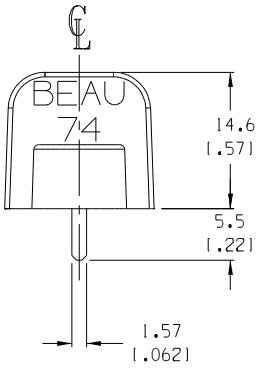
This document was generated on 04/23/2010
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**




4 CIRCUIT SHOWN




NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. PRODUCT SPECIFICATION: NOT REQUIRED
4. PACKAGING: NOT REQUIRED
5. MATES WITH: NONE
6. "XX" REFERS TO THE QUANTITY OF CIRCUITS.

| ITEM | QTY. | DESCRIPTION | MATERIAL | FINISH |
|---|---|---|---|---|
| 5 | XX | SCREW W/SQ. WASHER, #6-32X.250,PAN HD,PHIL-SLOT, -50 OPT. | STEEL | ZN, CLEAR CHROMATE |
| 4 | XX | SCREW, #6-32X.250, BIND. HD, PHIL-SLOT, -49 OPT. | BRASS | NICKEL PLATE |
| 3 | XX | SCREW, #6-32X.250, BIND. HD, PHIL-SLOT, STANDARD | STEEL | ZN, CLEAR CHROMATE |
| 2 | XX | TERMINAL, PC | BRASS | TIN PLATE |
| 1 | 1 | INSULATOR, SINGLE ROW | VALOX | BLACK |

EC NO. RELEASED
DRWN: CLY
CH'K:
APPR:
DESCRIPTION
A
REV

QUALITY SYMBOLS
MAJOR
CRITICAL (C)
SPC (S)

GENERAL TOLERANCES: (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | | ±.0015 |
| 3 PLACES | ±.038 | ±.005 |
| 2 PLACES | ±.13 | ±.01 |
| 1 PLACE | ±.3 | |
| ANGULAR: | ±2° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 2:1
DESIGN UNITS ☐ mm ☒ INCH
THIRD ANGLE PROJECTION
DRAWN BY & DATE C. YORK 05-10-05
CHECKED BY & DATE
APPROVED BY & DATE
CAD FILENAME 745XX
MATERIAL NO. SEE CHART

PROJECT NO.- - -
DIMENSIONS: ☒ mm/INCH ☐ INCH/mm ☐ mm ONLY
SHT REV
REVISE ON CAD ONLY

TITLE: 11.11 [.438] SR BTS ASSY, LOW PROFILE

MOLEX INCORPORATED

DRAWING NO. SD-38740-002
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

| # OF CIRC. "XX" | DIM. "A" | DIM. "B" | DIM. "C" | DIM. "D" | ASSEMBLY MATERIAL NO. (STANDARD) | ASSEMBLY MATERIAL NO. (-49 OPTION) | ASSEMBLY MATERIAL NO. (-50 OPTION) |
|---|---|---|---|---|---|---|---|
| 02 | 43.5 [1.71] | 11.11 [.438] | 33.34 [1.313] | 24.5 [.97] | 387406102 | 387406702 | 387407302 |
| 03 | 54.6 [2.15] | 22.23 [.875] | 44.45 [1.750] | 35.7 [1.40] | 387406103 | 387406703 | 387407303 |
| 04 | 65.7 [2.59] | 33.34 [1.313] | 55.56 [2.188] | 46.8 [1.84] | 387406104 | 387406704 | 387407304 |
| 05 | 76.8 [3.03] | 44.45 [1.750] | 66.68 [2.625] | 57.9 [2.28] | 387406105 | 387406705 | 387407305 |
| 06 | 87.9 [3.46] | 55.56 [2.188] | 77.79 [3.063] | 69.0 [2.72] | 387406106 | 387406706 | 387407306 |
| 07 | 99.1 [3.90] | 66.68 [2.625] | 88.90 [3.500] | 80.1 [3.15] | 387406107 | 387406707 | 387407307 |
| 08 | 110.2 [4.34] | 77.79 [3.063] | 100.01 [3.938] | 91.2 [3.59] | 387406108 | 387406708 | 387407308 |
| 09 | 121.3 [4.78] | 88.90 [3.500] | 111.13 [4.375] | 102.3 [4.03] | 387406109 | 387406709 | 387407309 |
| 10 | 132.4 [5.21] | 100.01 [3.938] | 122.24 [4.813] | 113.4 [4.47] | 387406110 | 387406710 | 387407310 |
| 11 | 143.5 [5.65] | 111.13 [4.375] | 133.35 [5.250] | 124.6 [4.90] | 387406111 | 387406711 | 387407311 |
| 12 | 154.6 [6.09] | 122.24 [4.813] | 144.46 [5.688] | 135.7 [5.34] | 387406112 | 387406712 | 387407312 |
| 13 | 165.7 [6.53] | 133.35 [5.250] | 155.58 [6.125] | 146.8 [5.78] | 387406113 | 387406713 | 387407313 |
| 14 | 176.8 [6.96] | 144.46 [5.688] | 166.69 [6.563] | 157.9 [6.22] | 387406114 | 387406714 | 387407314 |
| 15 | 188.0 [7.40] | 155.58 [6.125] | 177.80 [7.000] | 169.0 [6.65] | 387406115 | 387406715 | 387407315 |
| 16 | 199.1 [7.84] | 166.69 [6.563] | 188.91 [7.438] | 180.1 [7.09] | 387406116 | 387406716 | 387407316 |
| 17 | 210.2 [8.28] | 177.80 [7.000] | 200.03 [7.875] | 191.2 [7.53] | 387406117 | 387406717 | 387407317 |
| 18 | 221.3 [8.71] | 188.91 [7.438] | 211.14 [8.313] | 202.3 [7.97] | 387406118 | 387406718 | 387407318 |
| 19 | 232.4 [9.15] | 200.03 [7.875] | 222.25 [8.750] | 213.5 [8.40] | 387406119 | 387406719 | 387407319 |
| 20 | 243.5 [9.59] | 211.14 [8.313] | 233.36 [9.188] | 224.6 [8.84] | 387406120 | 387406720 | 387407320 |
| 21 | 254.6 [10.03] | 222.25 [8.750] | 244.48 [9.625] | 235.7 [9.28] | 387406121 | 387406721 | 387407321 |
| 22 | 265.7 [10.46] | 233.36 [9.188] | 255.59 [10.063] | 246.8 [9.72] | 387406122 | 387406722 | 387407322 |
| 23 | 276.9 [10.90] | 244.48 [9.625] | 266.70 [10.500] | 257.9 [10.15] | 387406123 | 387406723 | 387407323 |
| 24 | 288.0 [11.34] | 255.59 [10.063] | 277.81 [10.938] | 269.0 [10.59] | 387406124 | 387406724 | 387407324 |
| 25 | 299.1 [11.78] | 266.70 [10.500] | 288.93 [11.375] | 280.1 [11.03] | 387406125 | 387406725 | 387407325 |
| 26 | 310.2 [12.21] | 277.81 [10.938] | 300.04 [11.813] | 291.2 [11.47] | 387406126 | 387406726 | 387407326 |
| 27 | 321.3 [12.65] | 288.93 [11.375] | 311.15 [12.250] | 302.4 [11.90] | 387406127 | 387406727 | 387407327 |
| 28 | 332.4 [13.09] | 300.04 [11.813] | 322.26 [12.688] | 313.5 [12.34] | 387406128 | 387406728 | 387407328 |
| 29 | 343.5 [13.53] | 311.15 [12.250] | 333.38 [13.125] | 324.6 [12.78] | 387406129 | 387406729 | 387407329 |
| 30 | 354.6 [13.96] | 322.26 [12.688] | 344.49 [13.563] | 335.7 [13.22] | 387406130 | 387406730 | 387407330 |

EC NO. SEE SHEET 1
DRWN:
CH'K:
APPR:
DESCRIPTION
REV
-

QUALITY SYMBOLS
MAJOR ▼:
CRITICAL ▽ C:
SPC ▽ S:

GENERAL TOLERANCES: (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
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| ANGULAR: | ±2° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE --
DESIGN UNITS ☐ mm ☒ INCH
THIRD ANGLE PROJECTION
PROJECT NO. -
DIMENSIONS: ☒ mm/INCH ☐ INCH/mm ☐ mm ONLY
SHT -
REV -
REVISE ON CAD ONLY
DRAWN BY & DATE C. YORK 05-10-05
CHECKED BY & DATE
APPROVED BY & DATE
TITLE: 11.11 [.438] SR BTS ASSY, LOW PROFILE
MOLEX INCORPORATED
CAD FILENAME 745XX
MATERIAL NO. SEE CHART
DRAWING NO. SD-38740-002
SHEET NO. 2 OF 2
SIZE B

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