molex
one company > a world of innovation

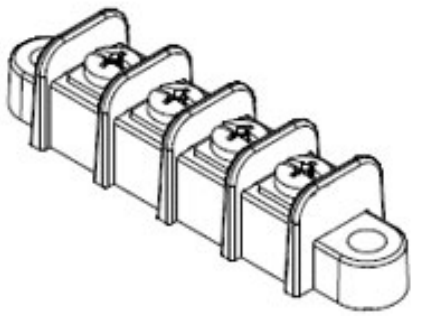
This document was generated on 04/23/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0387406103

Status: Active

Description: 11.11mm (.437") Pitch Beau™ PCB Fixed Mount Barrier Terminal Strip, Low Profile, 300V, 3 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)	3
Circuits (maximum)	3
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	74503

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

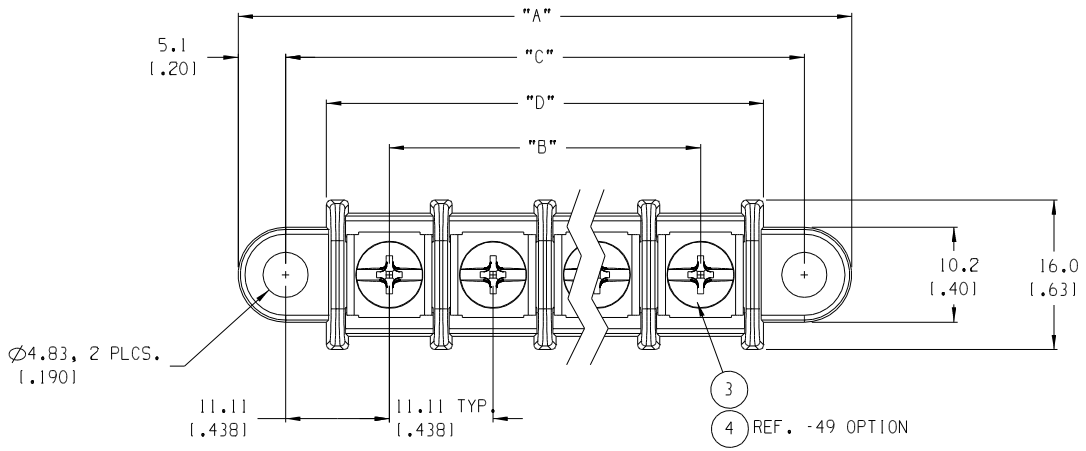
Need more information on product environmental compliance?

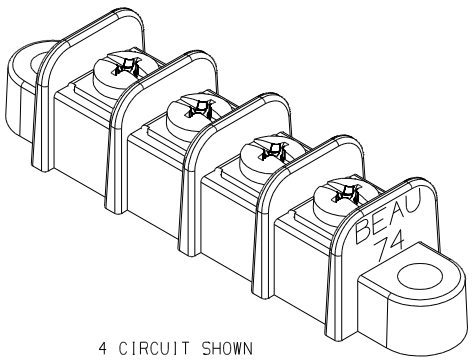
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

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

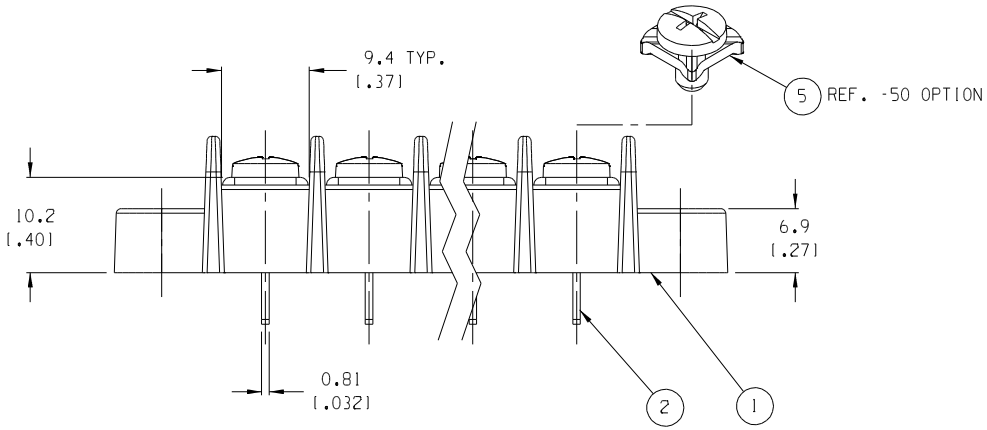
Search Parts in this Series
38740Series

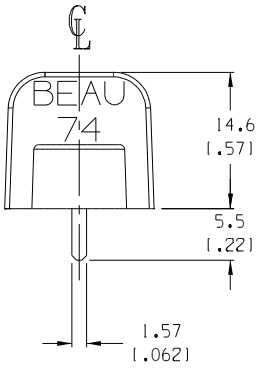
This document was generated on 04/23/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





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
4 PLACES		±.0015
3 PLACES	±.038	±.005
2 PLACES	±.13	±.01
1 PLACE	±.3	
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

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