
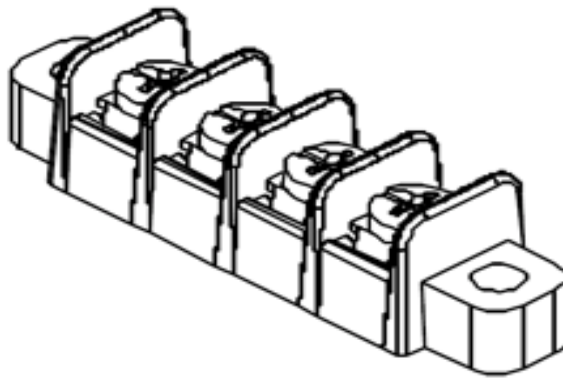


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Series image - Reference only

[EU RoHS](#) [China RoHS](#)

ELV and RoHS Compliant



Lead-free Process Capability [Wave Capable \(TH only\)](#)

Search Parts in this Series

[38700 Series](#)

Mates With

N/A

Part Number: 0387006103


Status: Active

Description: 8.26mm (.325") Pitch Beau™ PCB Terminal Strip, with Mounting Ends, 3 Circuits

Documents:

- o [Drawing \(PDF\)](#)
- o [3D Model](#)
- o [Related Catalog Page \(PDF\)](#)

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Part Detail: [\(show all\)](#)

- o [General](#)

- o **Physical**
- o **Electrical**
- o **Material Info**
- o **Reference - Drawing Numbers**

General

Product Family	Terminal Blocks
Series	<u>38700</u>
Application	Wire-to-Board
Component Type	One Piece
Product Name	Fixed Mount Barrier
Type	Barrier Strip

Physical

Circuits (Loaded)	3
Circuits (maximum)	3
Entry Angle	Horizontal
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Number of Rows	1
Orientation	N/A
PC Tail Length (in)	0.140 In
PC Tail Length (mm)	3.56 mm
PCB Retention	Yes
Panel Mount	No
Pitch - Mating Interface (in)	0.325 In
Pitch - Mating Interface (mm)	8.26 mm
Pitch - Term. Interface (in)	0.325 In
Pitch - Term. Interface (mm)	8.25 mm
Plating min: Mating (uin)	150
Plating min: Mating (um)	3.75
Plating min: Termination (uin)	150
Plating min: Termination (um)	3.75
Polarized to Mating Part	No
Shrouded	Dual-Barrier
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +130°C
Termination Interface: Style	Through Hole
Wire Size AWG	14
Wire Size AWG	16
Wire Size AWG	18
Wire Size AWG	20
Wire Size AWG	22
Wire Size mm ²	0.50 - 1.50

Electrical

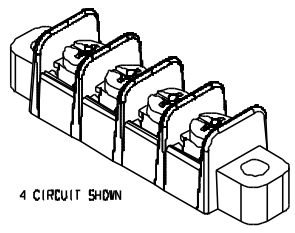
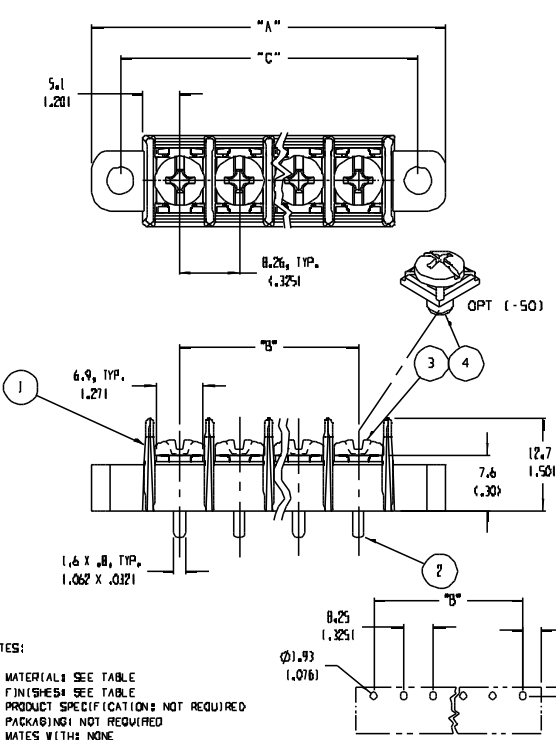
Current - Maximum	15.000 Amp
Voltage - Maximum	300V

Material Info

Old Part Number	70503
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Reference - Drawing Numbers

Sales Drawing	SD-38700-002
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4 CIRCUIT SHOWN

NUMBER OF CIRCUITS "XX"	DIM "A"	DIM "B"	DIM "C"	MATERIAL NUMBER (S10)	MATERIAL NUMBER 1-50 OPT
02	12.7 (1.291)	8.26 (1.325)	24.78 (1.976)	387006102	387007302
03	40.9 (1.611)	16.52 (1.650)	33.04 (1.301)	387006103	387007303
04	49.2 (1.941)	24.78 (1.976)	41.30 (1.626)	387006104	387007304
05	57.4 (2.261)	33.04 (1.301)	49.56 (1.951)	387006105	387007305
06	65.7 (2.591)	41.30 (1.626)	57.82 (2.276)	387006106	387007306
07	74.0 (2.911)	49.56 (1.951)	66.08 (2.602)	387006107	387007307
08	82.2 (3.241)	57.82 (2.276)	74.34 (2.927)	387006108	387007308
09	90.5 (3.561)	66.08 (2.602)	82.60 (3.252)	387006109	387007309
10	98.7 (3.891)	74.34 (2.927)	90.86 (3.577)	387006110	387007310
11	107.0 (4.211)	82.60 (3.252)	99.12 (3.902)	387006111	387007311
12	115.3 (4.541)	90.86 (3.577)	107.38 (4.228)	387006112	387007312
13	123.5 (4.861)	99.12 (3.902)	115.64 (4.553)	387006113	387007313
14	131.8 (5.191)	107.38 (4.228)	123.90 (4.878)	387006114	387007314
15	140.0 (5.511)	115.64 (4.553)	132.16 (5.203)	387006115	387007315
16	148.3 (5.841)	123.90 (4.878)	140.42 (5.528)	387006116	387007316
17	156.6 (6.161)	132.16 (5.203)	148.68 (5.854)	387006117	387007317
18	164.8 (6.491)	140.42 (5.528)	156.94 (6.179)	387006118	387007318
19	173.1 (6.811)	148.68 (5.854)	165.20 (6.504)	387006119	387007319
20	181.3 (7.141)	156.94 (6.179)	173.46 (6.829)	387006120	387007320
21	189.6 (7.461)	165.20 (6.504)	181.72 (7.154)	387006121	387007321
22	197.9 (7.791)	173.46 (6.829)	189.98 (7.480)	387006122	387007322
23	206.1 (8.111)	181.72 (7.154)	198.24 (7.805)	387006123	387007323
24	214.4 (8.441)	189.98 (7.480)	206.50 (8.130)	387006124	387007324
25	222.6 (8.771)	198.24 (7.805)	214.76 (8.455)	387006125	387007325
26	230.9 (9.091)	206.50 (8.130)	223.02 (8.780)	387006126	387007326
27	239.2 (9.421)	214.76 (8.455)	231.28 (9.106)	387006127	387007327
28	247.4 (9.741)	223.02 (8.780)	239.54 (9.431)	387006128	387007328
29	255.7 (10.071)	231.28 (9.106)	247.80 (9.756)	387006129	387007329
30	263.9 (10.391)	239.54 (9.431)	256.06 (10.081)	387006130	387007330

- NOTES:
1. MATERIALS SEE TABLE
 2. FINISHES SEE TABLE
 3. PRODUCT SPECIFICATIONS NOT REQUIRED
 4. PACKAGING NOT REQUIRED
 5. MATES WITH NONE
 6. "XX" REFERS TO THE NUMBER OF CIRCUITS

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
4	**XX	SCREW, #6-32, PAN HD, PH-SL, 1/50 W/SHR	STEEL	ZN, CLEAR CHROMATE
3	**XX	SCREW, #6-32, PAN HD, PH-SL	STEEL	ZN, CLEAR CHROMATE
2	**XX	TERMINAL	BRASS	TIN
1	1	BARRIER	THERMOPLASTIC	BLACK

ECN# 3712
CY 05-28-04

EE NO. DRWG. DIM'S APPR.

MAJOR DESCRIPTION

QUALITY SYMBOLS

CRITICAL

SPEC

REV B

GENERAL TOLERANCES UNLESS SPECIFIED	
4 PLACES	±.0015
3 PLACES	±.003
2 PLACES	±.01
1 PLACE	±.03
ANGULAR	±2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE: 2:1

DESIGN UNITS: MM INCH

THIRD ANGLE PROJECTION

DRAWN BY & DATE: W. HOWARD 07-29-03

CHECKED BY & DATE: R. KEMP 08-05-03

APPROVED BY & DATE: P. WALTZ 08-05-03

CAD FILENAME: 705XX

PROJECT NO.:

DIMENSIONS: DIM (TYP) DIM ONLY DIM ONLY

SHIT REV

REVISE ON CAD ONLY

TITLE: SR BT5 ASSY, PC

MOLEX INCORPORATED

MATERIAL NO. SEE CHART

DRAWING NO. SD-38700-002

SHEET NO. 1 OF 1

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

Beau® Barrier Strips

Beau terminal blocks provide a robust connection between wires and the PCB.

Beau terminal blocks are a great connector for their durability and versatility. Barrier strips can handle currents of up to 45.0A per circuit and all are rated for 300 or 600V. With the variety of terminal styles, screws and other options available on barrier strips, these parts can be customized in many ways.

Special additions to barrier strips such as topside hardware, marker strips and hinged covers ensure that you get the best possible connector designed specifically for your application.

Features

- Optional topside hardware allows for further customization to fit your design requirements
- Robust and durable screw terminals are ultrasonically welded into the thermoplastic insulator, reducing the risk for terminal twisting and solder joint failure
- Tri-barrier construction of some barrier strips provides a back wall to prevent over insertion and shorting
- No special tools required to terminate wires, only a No. 2 screwdriver required
- Broad range of screw and terminal options improves interconnect performance
- Various imprinting styles aid in labeling circuits for wiring, testing and repair in the field
- UL recognized and CSA approved
- RoHS and ELV compliant

Barrier Terminal Strips



Features and Benefits

- Robust and durable welded construction
- Wide variety of screw and terminal options
- Molded to exact length, no unsightly saw cuts

Reference Information

UL File No.: E48521
UL Guide No.: XCFR2
CSA File No.: 025562

Screw Only	Insulated Solder	Insulated PC	Centerline PC	Solder Turret	Centerline Wire Wrap	Centerline Right Angle PC	Insulated Fast On	Offset PC	Offset Wire Wrap	Offset Right Angle PC
All	38710 38720 38730	38710 38720 38730	38630 38710 38720 38730 38740	38630/38631 38710/38711 38720/38721 38730/38731	38631 38711 38721 38731	38711 38721 38731 38741	38711 38721 38731 38741	38700 38610	38701	38701

Circuits	Series	Pitch	Current	Voltage	Wire Range AWG	Lead-free
2-16	38630/38631	11.12 (.438)	25.0A	600V	12-24	Yes
2-30	38700/38701	8.25 (.325)	20.0A	300V	12-22	
2-26	38710/38711	9.52 (.375)	25.0A		12-24	
	38720/38721				10-24	
2-30	38730/38731/38732 38740/38741/38742	11.12 (.438)	30.0A	300V	18-22	
2-32	38610	6.35 (.250)	10.0A	300V	18-22	