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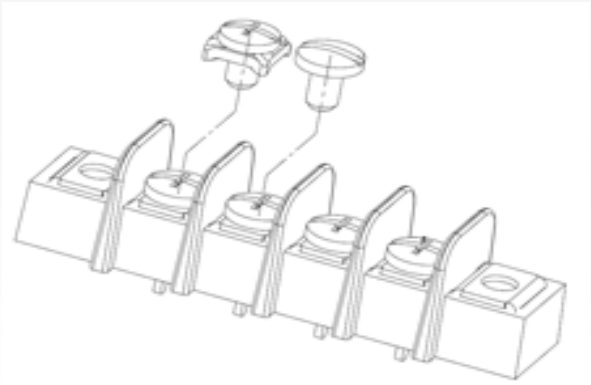

Series image - Reference only

EU RoHS
ELV and RoHS Compliant

China RoHS

Lead-free Process CapabilityWave Capable (TH only)

Search Parts in this Series
38720 Series

Mates With
N/A

Part Number:0387206202

Status:Active

Description:9.53mm (.375") Pitch Beau™ PCB Terminal Strip, with Mounting Ends, 2 Circuits

Documents:

- Drawing (PDF)
- Related Catalog Page (PDF)

Order Products:

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Part Detail: (show all)

- General

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

General

Product Family	Terminal Blocks
Series	38720
Application	Wire-to-Board
Component Type	One Piece
Product Name	Fixed Mount Barrier
Type	Barrier Strip

Physical

Circuits (Loaded)	2
Circuits (maximum)	2
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)	0.190 In
PC Tail Length (mm)	4.80 mm
PCB Retention	Yes
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)	9.52 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	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +130°C
Wire Size AWG	14
Wire Size AWG	16
Wire Size AWG	18
Wire Size AWG	20
Wire Size AWG	22
Wire Size mm	0.50 - 1.50

Electrical

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Current - Maximum	15.00 Amp
Voltage - Maximum	300V

Material Info

Old Part Number	72502

Reference - Drawing Numbers

Sales Drawing	SD-38720-001

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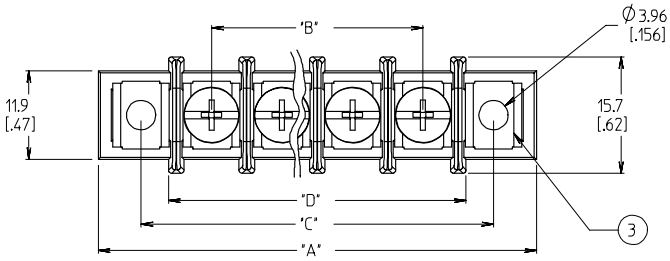
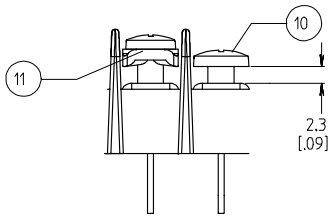
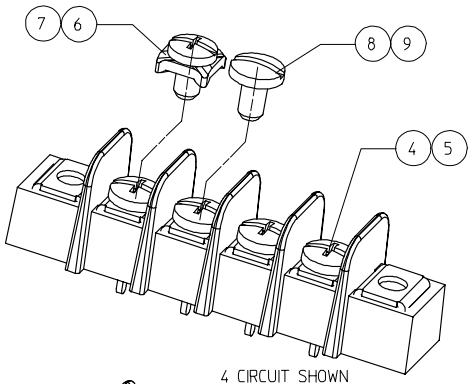
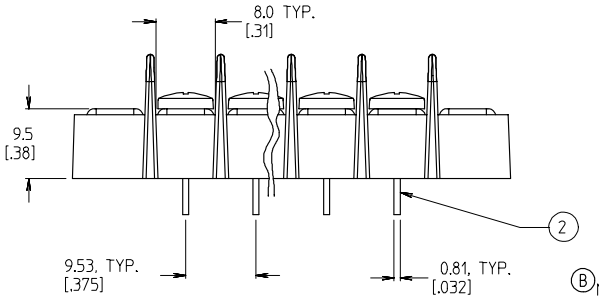


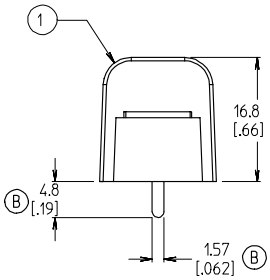


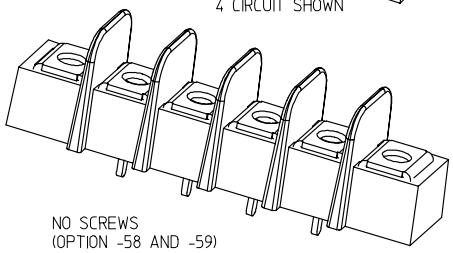
WIRE READY SPEC. (OPTION -47)
(FOR OPTIONAL SCREW -50
AND STANDARD SCREW.)



4 CIRCUIT SHOWN







NO SCREWS
(OPTION -58 AND -59)
4 CIRCUIT SHOWN

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
11	XX	#6-32 WRDY W/WASH SCR (-47,-50)	STEEL	ZN, CLEAR CHROMATE
10	XX	#6-32 PH/SLOT WRDY SCR (OPT -47)	STEEL	ZN, CLEAR CHROMATE
9	XX	#6-32 SLOTTED SCREW (OPT -56)	STAINLESS STEEL	PASSIVATE
8	XX	#6-32 SLOTTED SCREW (OPT -45)	STEEL	ZN, CLEAR CHROMATE
7	XX	#6-32 PH/SL W/WASH SCR (-49,-50)	BRASS	NICKEL
6	XX	#6-32 PH/SL W/WASH SCR (OPT -50)	STEEL	ZN, CLEAR CHROMATE
5	XX	#6-32 PH/SLOTTED SCREW (OPT -49)	BRASS	NICKEL
4	XX	#6-32 PH/SLOTTED SCREW (STD)	STEEL	ZN, CLEAR CHROMATE
3	2	MOUNTING PLATE	BRASS	NICKEL
2	XX	TERMINAL	BRASS	BRT.TIN/CU
1	1	INSULATOR, SINGLE ROW	PBT	BLACK

NOTES:
1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. INCH DIMENSIONS ARE IN BRACKETS [XXX].
4. REFER TO SD-38120-001 FOR IMPRINTING OPTIONS 10A AND 11A.
5. REFER TO SD-38120-007 FOR IMPRINTING OPTION 12A.
6. "XX" REFERS TO THE QUANTITY OF CIRCUITS.
7. ALL COMPONENTS ARE ROHS COMPLIANT. (B)

REV	DESCRIPTION
B	ADD MAT. NO. EC NO: ETC2007-0166 2006/10/19 DRWN:CLYORK 2006/10/20 CHKD:MACNEIL 2006/10/20 APPR:J.MACNEIL

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.3	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM/IN
SCALE	2:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	W. HOWARD
DATE	2003/10/16
CHECKED BY	R. KEMP
DATE	2003/10/16
APPROVED BY	P. WALTZ
DATE	2003/10/16
MATERIAL NO.	SEE SHT. 2
TITLE	9.53MM [.375] SR BTS, PC ASSY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-38720-001
SHEET NO.	1 OF 2
SIZE	B

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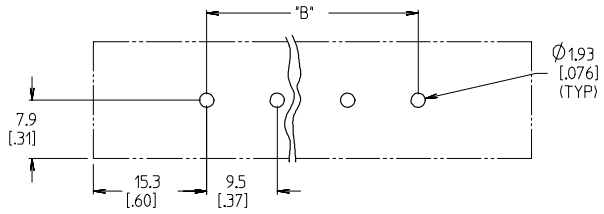
MATERIAL NO. (OPT 12A)	MATERIAL NO. (OPT 11A)	MATERIAL NO. (OPT 10A)	MATERIAL NO. (OPT -59)	MATERIAL NO. (OPT -58)	MATERIAL NO. (OPT -56)	MATERIAL NO. (OPT -50)	MATERIAL NO. (OPT -49,-50)	MATERIAL NO. (OPT -49)	MATERIAL NO. (OPT -47,-50)	MATERIAL NO. (STD)	NUMBER OF CIRCUITS "XX"
					38729-0659 (B)					(B) 38720-6201	01
		38729-1039		38729-0750	38729-0791	38720-7402	38729-1381	38720-6802		38720-6202	02
38729-0872	38729-0025	38729-0014			38729-0117	38720-7403		38720-6803	38720-8603	38720-6203	03
		38729-0940	38729-0945		38729-0839	38720-7404	38729-1159	38720-6804		38720-6204	04
38729-0256		38729-0346			38729-1253	38720-7405	38729-1382	38720-6805		38720-6205	05
			38729-0400	38729-0386	38729-0980	38720-7406	38729-1383	38720-6806		38720-6206	06
		38729-0423	38729-0407	38729-0435	38729-0440	38720-7407		38720-6807		38720-6207	07
38729-0497				38729-0508	38729-0532	38720-7408		38720-6808		38720-6208	08
		38729-0548		38729-0560		38720-7409		38720-6809		38720-6209	09
		38729-1011	38729-0598	38729-0598		38720-7410		38720-6810		38720-6210	10
					38729-1252	38720-7411				38720-6211	11
		38729-0720			38729-0735	38720-7412		38720-6812		38720-6212	12
				38729-0809		38720-7413				38720-6213	13
				38729-0004		38720-7414		38720-6814		38720-6214	14
										38720-6215	15
										38720-6216	16
										38720-6217	17
										38720-6218	18
										38720-6219	19
										38720-6220	20
										38720-6221	21
										38720-6222	22
										38720-6223	23
										38720-6224	24
										38720-6225	25
										38720-6226	26

NUMBER OF CIRCUITS "XX"	DIM. "A"		DIM. "B"		DIM. "C"		DIM. "D"	
01	30.7	[1.21]	-	-	19.1	[.75]	11.6	[.46] (B)
02	40.1	[1.58]	9.53	[.375]	28.6	[1.13]	21.1	[.83]
03	49.7	[1.96]	19.05	[.750]	38.1	[1.50]	30.6	[1.21]
04	59.2	[2.33]	28.58	[1.125]	47.6	[1.88]	40.1	[1.58]
05	68.7	[2.71]	38.10	[1.500]	57.2	[2.25]	49.7	[1.96]
06	78.2	[3.08]	47.63	[1.875]	66.7	[2.63]	59.2	[2.33]
07	87.8	[3.46]	57.15	[2.250]	76.2	[3.00]	68.7	[2.71]
08	97.3	[3.83]	66.68	[2.625]	85.7	[3.38]	78.2	[3.08]
09	106.8	[4.21]	76.20	[3.000]	95.3	[3.75]	87.8	[3.46]
10	116.3	[4.58]	85.73	[3.375]	104.8	[4.13]	97.3	[3.83]
11	125.9	[4.96]	95.25	[3.750]	114.3	[4.50]	106.8	[4.21]
12	135.4	[5.33]	104.78	[4.125]	123.8	[4.88]	116.3	[4.58]
13	144.9	[5.71]	114.30	[4.500]	133.4	[5.25]	125.9	[4.96]
14	154.4	[6.08]	123.83	[4.875]	142.9	[5.63]	135.4	[5.33]
15	164.0	[6.46]	133.35	[5.250]	152.4	[6.00]	144.9	[5.71]
16	173.5	[6.83]	142.88	[5.625]	161.9	[6.38]	154.4	[6.08]
17	183.0	[7.21]	152.40	[6.000]	171.5	[6.75]	164.0	[6.46]
18	192.5	[7.58]	161.93	[6.375]	181.0	[7.13]	173.5	[7.21]
19	202.1	[7.96]	171.45	[6.750]	190.5	[7.50]	192.5	[7.58]
20	211.6	[8.33]	180.98	[7.125]	200.0	[7.88]	202.1	[7.96]
21	221.1	[8.71]	190.50	[7.500]	209.6	[8.25]	211.6	[8.33]
22	230.6	[9.08]	200.03	[7.875]	219.1	[8.63]	221.1	[8.71]
23	240.2	[9.46]	209.55	[8.250]	228.6	[9.00]	230.6	[9.08]
24	249.7	[9.83]	219.08	[8.625]	238.1	[9.38]	230.6	[9.08]
25	259.2	[10.21]	228.60	[9.000]	247.7	[9.75]	240.2	[9.46]
26	268.7	[10.58]	238.13	[9.375]	257.2	[10.13]	249.7	[9.83]



PTH PATTERN

SEE SHEET 1
EC NO: ETC2007-0166 2006/10/19
DRAWN: LI YORK 2006/10/20
CHKD: MACNEIL 2006/10/20
APPR: J MACNEIL
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.3	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY	W. HOWARD	DATE 2003/10/16
CHECKED BY	R. KEMP	DATE 2003/10/16
APPROVED BY	P. WALTZ	DATE 2003/10/16

TITLE: 9.53MM [.375] SR BTS, PC ASSY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-38720-001
SHEET NO.: 2 OF 2

SIZE B

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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

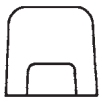
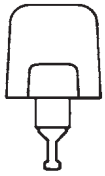
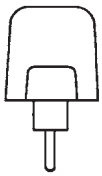
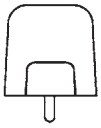
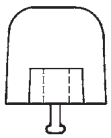
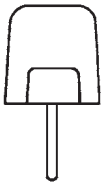
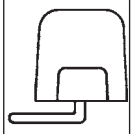
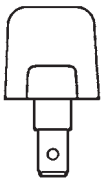
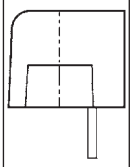
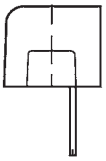
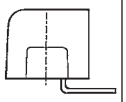
Barrier Terminal Strips

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					
2-30	38730/38731/38732	11.12 (.438)	30.0A		10-24	
	38740/38741/38742					
2-32	38610	6.35 (.250)	10.0A	300V	18-22	

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