molex
one company > a world of innovation

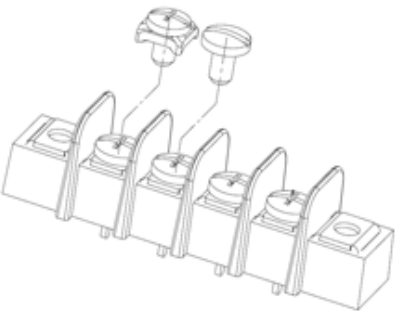
This document was generated on 04/23/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0387207414

Status: Active

Description: 9.53mm (.375") Pitch Beau™ PCB Terminal Strip, with Mounting Ends, 14 Circuits, with Screw Clamp Washer



Series image - Reference only

Documents:

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

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)	14
Circuits (maximum)	14
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	Yes
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	12, 14, 16, 18, 20, 22
Wire Size mm²	0.50 - 2.50

Electrical

Current - Maximum per Contact	25A
Voltage - Maximum	300V

Solder Process Data

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
38720Series

Mates With
N/A

Lead-free Process Capability	Wave Capable (TH only)

Material Info

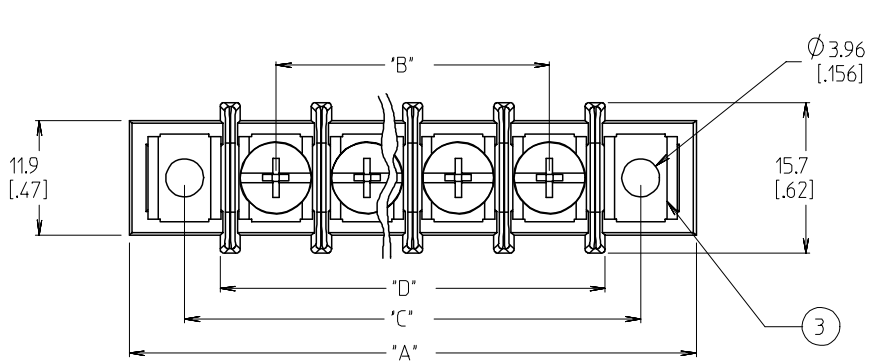
Old Part Number	72514-50

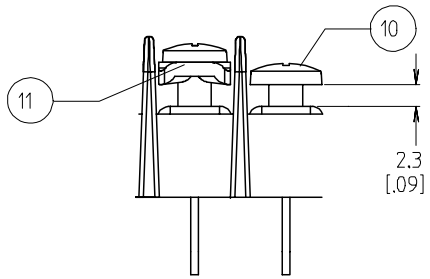
Reference - Drawing Numbers

Product Specification	PS-38710-001
Sales Drawing	SD-38720-001

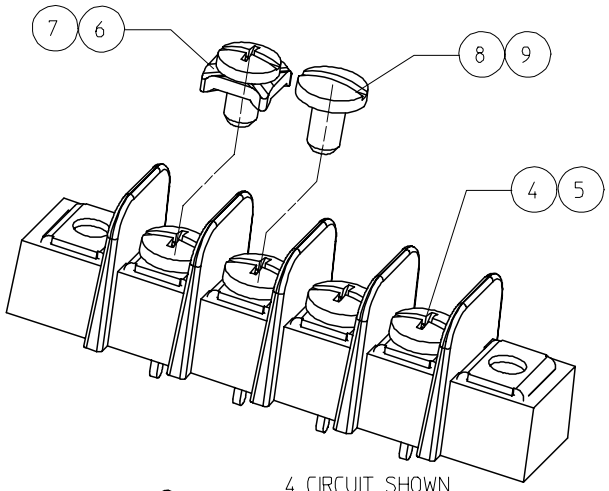
This document was generated on 04/23/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

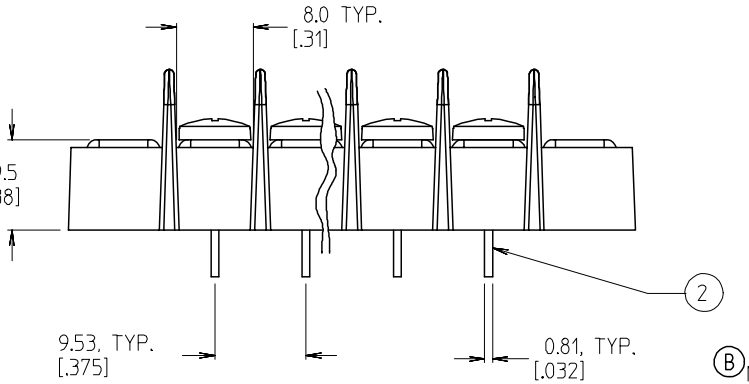


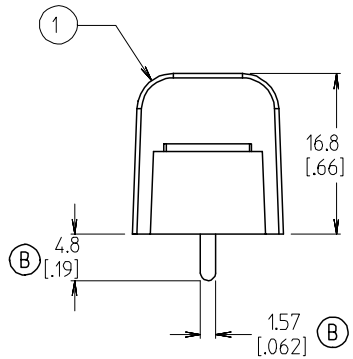


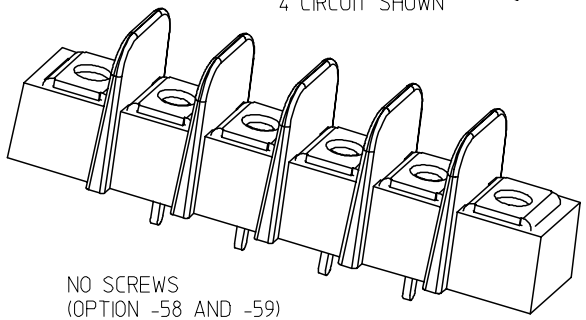
WIRE READY SPEC. (OPTION -47)
(FOR OPTIONAL SCREW -50
AND STANDARD SCREW.)



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)

ADD MAT. NO.
EC NO: ETC2007-0166 2006/10/19
DRWN: CLYORK 2006/10/20
CH'KD: JMACNEIL 2006/10/20
APPR: JMACNEIL
DESCRIPTION
REV
B

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

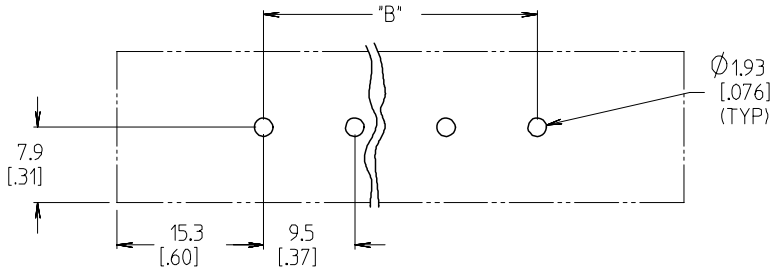
MATERIAL NO.: SEE SHT. 2
DOCUMENT NO.: SD-38720-001
SHEET NO.: 1 OF 2

SIZE B

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

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
DRWN: CLYORK 2006/10/20
CHKD: JMACNEIL
APPR: JMACNEIL
DESCRIPTION
REV
B

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

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