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JAMECO[®]
ELECTRONICS

www.Jameco.com ♦ 1-800-831-4242

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Jameco Part Number 797785

.375" PCB Barrier Terminal Strip

Description

The series 72 PCB terminal strip is a workhorse and our most popular product series. The product can be configured from 15 to 25 Amps and from 150 to 300 Volts.

The product is available in standard and tri-barrier construction and can be configured with a broad selection of screws, hardware, mounting and terminal options.

Made in the USA, all Beau terminal blocks embody the highest quality standards in the industry-using the finest materials and world class manufacturing processes. They meet or exceed all applicable industry standards.

Features

- **Standard and Tri-barrier construction** is available to provide the packaging options you need.
- **Robust and durable**, 72 series screw terminals are ultrasonically welded into the thermoplastic insulator, eliminating terminal twisting and associated solder joint failure.
- **Molded to exact length**, with no ugly saw cuts, Beau terminal strips make your products look more professional.
- **Wide variety of options.** Our broad range of screw, terminal, hardware and mounting options allows us to save you assembly costs and improve interconnect performance.



PRODUCT RATINGS

#6-32 BINDING HEAD SCREW

UL	Class B	15 Amps @ 300 V 14 AWG
	Class C	15 Amps @ 150 V 14 AWG
CSA	Class B	20 Amps @ 300 V 14 AWG
	Class C	20 Amps @ 300 V 14 AWG

#6-32 WIRE CLAMP SCREW

UL	Class B	20 Amps @ 300 V 12 AWG
	Class C	20 Amps @ 150 V 12 AWG
CSA	Class B	25 Amps @ 300 V 12 AWG
	Class C	25 Amps @ 300 V 12 AWG

NOTE: 3.5M screws carry #6-32 screw ratings.

TECHNICAL SPECIFICATIONS

ELECTRICAL

DWV	10500 VDC
IR	>5000 Megohms

MECHANICAL

Tightening torque	12 in-lbs.
Maximum torque	13 in-lbs.
Wire strip length	5/16"
Wire range	12 to 24 AWG

ENVIRONMENTAL

Continuous Use Temp	
RTI electrical	110°C
RTI mechanical w/o impact	110°C

OPTIONS

-45	Slotted screw
-47	Screws up, wire ready
-49	Brass, phillips/slotted screw
-45-56	Stainless steel screw, slotted
-50	Clamp washer, phillips/slotted screw
-58	No screws, barrier only
-59	Screws supplied unassembled
-C	No mounting ends
-E	Solid mounting ends
-F	Rap-attach mounts
-M	3.5 M screw, slotted
-P	.040" standoff pads
-V	130°C insulator

AGENCY LISTINGS

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

MATERIALS

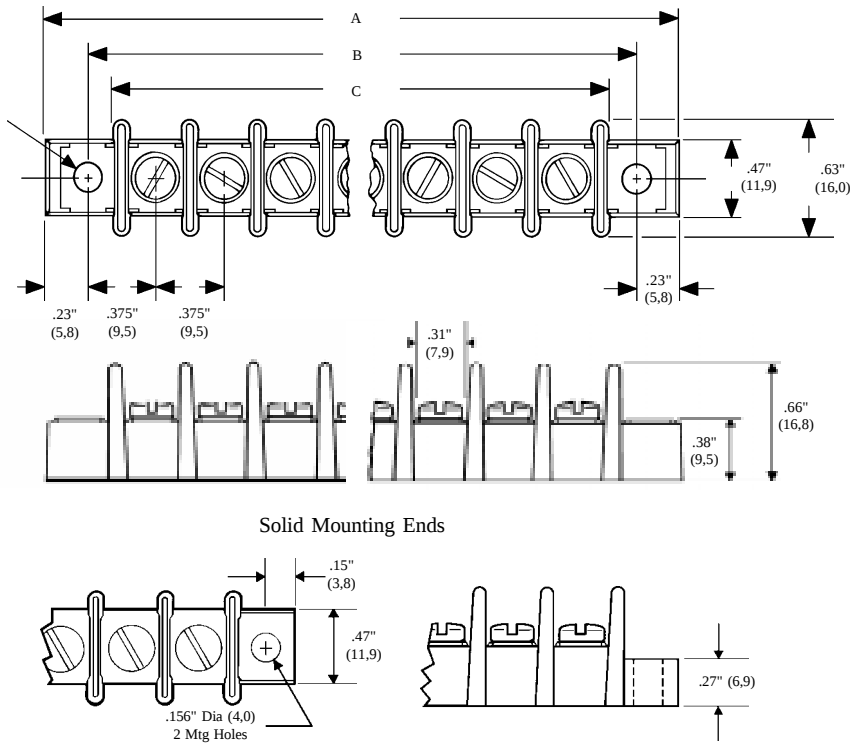
Insulator	Thermoplastic, UL94V-0, black
Terminal	Brass, tin-lead plate
Screws	#6-32, phillips/slotted, steel, zinc chromate plate

HOW TO ORDER

7	2	X	X	X	X	X
SERIES	TERMINAL STYLE	NO. OF POLES	OPTIONS			
	1 2 3	2 to 26	(Dash #s above and			
	5 6 7		opposite page)			
	8 9					

*Consult factory for combinations of screw options.

Molex Industrial Division
New England Operations
Gilford, NH 03246-6600
Phone (603) 524-5101
Fax (603) 524-1627
Internet www.beauint.com



Solid Mounting Ends

No. of Circuits

A

B

C

in.

mm

in.

mm

in.

mm

2

1.58

78,3

1.13

28,6

.83

21,1

3

1.96

49,7

1.50

38,1

1.21

30,7

4

2.33

59,2

1.88

47,6

1.58

40,2

5

2.71

68,8

2.25

57,2

1.96

49,7

6

3.08

78,3

2.63

66,7

2.33

59,2

7

3.46

87,8

3.00

76,2

2.71

68,8

8

3.83

97,3

3.38

85,7

3.08

78,3

9

4.21

107

3.75

95,3

3.46

87,8

10

4.58

116

4.13

105

3.83

97,3

11

4.96

126

4.50

114

4.21

107

12

5.33

135

4.88

124

4.58

116

13

5.71

145

5.25

133

4.96

126

14

6.08

154

5.63

143

5.33

135

15

6.46

164

6.00

152

5.71

145

16

6.83

174

6.38

162

6.08

154

17

7.21

183

6.75

171

6.46

164

18

7.58

193

7.13

181

6.83

174

19

7.96

202

7.50

191

7.21

183

20

8.33

212

7.88

200

7.58

193

21

8.71

221

8.25

210

7.96

202

22

9.08

231

8.63

219

8.33

212

23

9.46

240

9.00

229

8.71

221

24

9.83

250

9.38

238

9.08

231

25

10.21

259

9.75

248

9.46

240

26

10.58

269

10.13

257

9.83

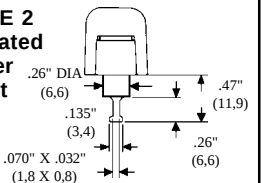
250

TERMINAL STYLES

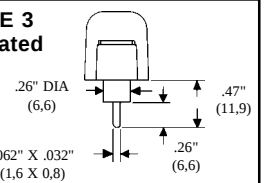
**STYLE 1
No PC
Terminal**



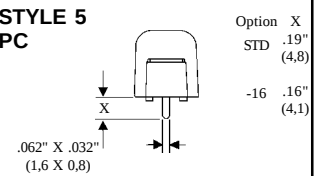
**STYLE 2
Insulated
Solder
Turret**



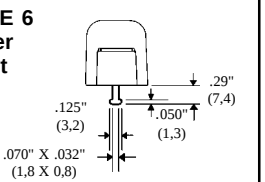
**STYLE 3
Insulated
PC**



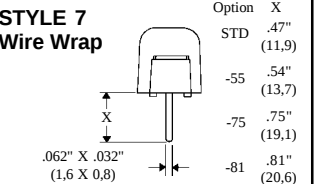
**STYLE 5
PC**



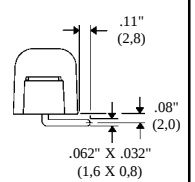
**STYLE 6
Solder
Turret**



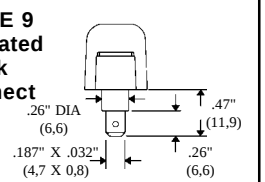
**STYLE 7
Wire Wrap**

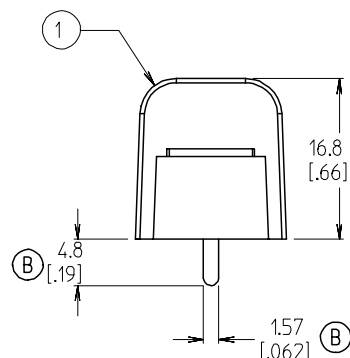
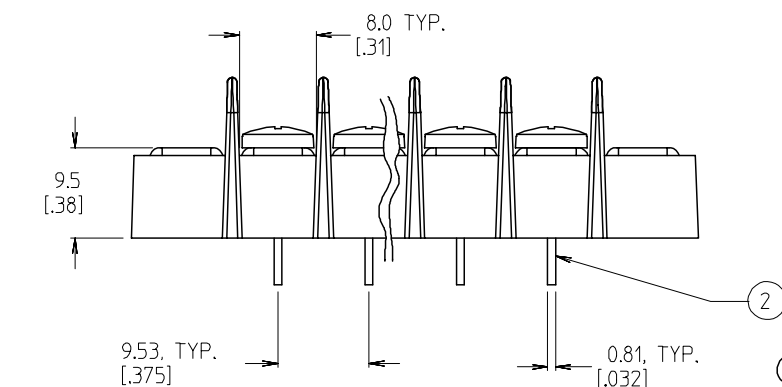


**STYLE 8
Right
Angle PC**

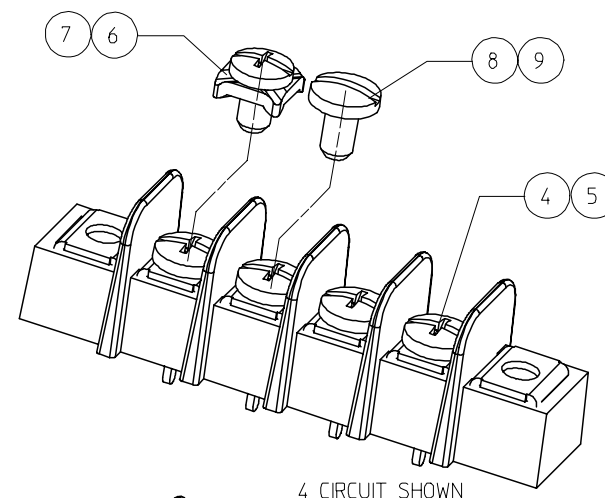


**STYLE 9
Insulated
Quick
Connect**

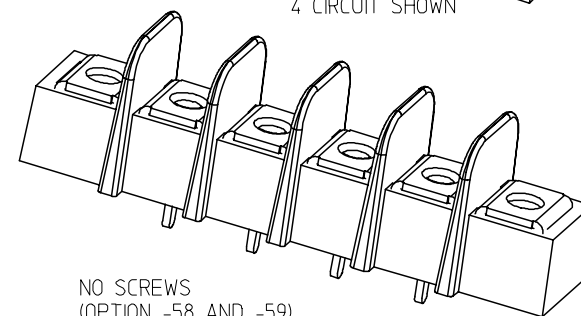




ⓑ NOTES:



4 CIRCUIT SHOWN



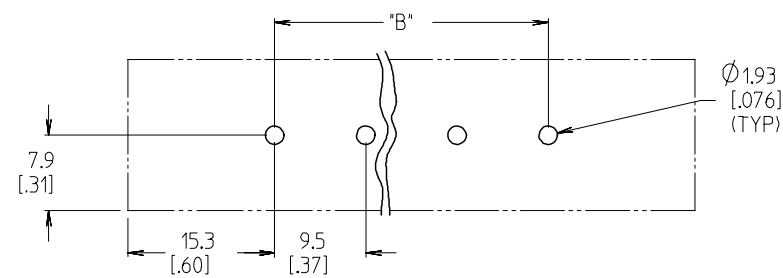
NO SCREWS
(OPTION -58 AND -59)
4 CIRCUIT SHOWN

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 DRAWN: CLYORK 2006/10/19 CHKD: JMACNEIL 2006/10/20 APPR: JMACNEIL 2006/10/20	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION 		
				mm	INCH	DRAWN BY W. HOWARD	DATE 2003/10/16	TITLE 9.53MM [.375] SR BTS, PC ASSY			
			4 PLACES	± ---	± ---	CHECKED BY R. KEMP	DATE 2003/10/16				
			3 PLACES	± ---	± .005	APPROVED BY P. WALTZ	DATE 2003/10/16	 MOLEX INCORPORATED			
			2 PLACES	± 0.13	± .01						
1 PLACE	± 0.3	± ---									
			ANGULAR ± 2 °								
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE SHT. 2		SD-38720-001		1 OF 2	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	10	9		8		7		6		5		4		3		2		1			
	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'
F				38729-1039		38729-0750		38729-0659	(B)	38720-7402		38729-1381		38720-6802		(B)	38720-8603		38720-6201	01	
	38729-0872	38729-0025		38729-0014				38729-0791		38720-7403				38720-6803					38720-6202	02	
				38729-0940	38729-0945			38729-0839		38720-7404		38729-1159		38720-6804					38720-6203	03	
	38729-0256			38729-0346				38729-1253		38720-7405		38729-1382		38720-6805					38720-6204	04	
					38729-0400	38729-0386		38729-0980		38720-7406		38729-1383		38720-6806					38720-6205	05	
				38729-0423	38729-0407	38729-0435		38729-0440		38720-7407				38720-6807					38720-6206	06	
	38729-0497					38729-0508		38729-0532		38720-7408				38720-6808					38720-6207	07	
				38729-0548		38729-0560				38720-7409				38720-6809					38720-6208	08	
				38729-1011	38729-0598	38729-0598				38720-7410				38720-6810					38720-6209	09	
								38729-1252		38720-7411									38720-6210	10	
E				38729-0720				38729-0735		38720-7412				38720-6812					38720-6211	11	
						38729-0809				38720-7413									38720-6212	12	
						38729-0004				38720-7414				38720-6814					38720-6213	13	
																			38720-6214	14	
																			38720-6215	15	
																			38720-6216	16	
																			38720-6217	17	
																			38720-6218	18	
																			38720-6219	19	
																			38720-6220	20	
D																			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'	
C	01	30.7 [1.21]	-	19.1 [0.75]	11.6 [0.46]	B
	02	40.1 [1.58]	9.53 [0.375]	28.6 [1.13]	21.1 [0.83]	
	03	49.7 [1.96]	19.05 [0.750]	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]	
B	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]	
A	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 DRWN: CLYORK 2006/10/19 CHKD: JMACNEIL 2006/10/20 APPR: JMACNEIL 2006/10/20	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY W. HOWARD	DATE 2003/10/16	TITLE 9.53MM [0.375] SR BTS, PC ASSY			
		4 PLACES	± ---	± ---	CHECKED BY R. KEMP	DATE 2003/10/16				
		3 PLACES	± ---	±.005	APPROVED BY P. WALTZ	DATE 2003/10/16	MOLEX INCORPORATED MATERIAL NO. SD-38720-001 SHEET NO. 2 OF 2			
2 PLACES	± 0.13	±.01	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					