



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

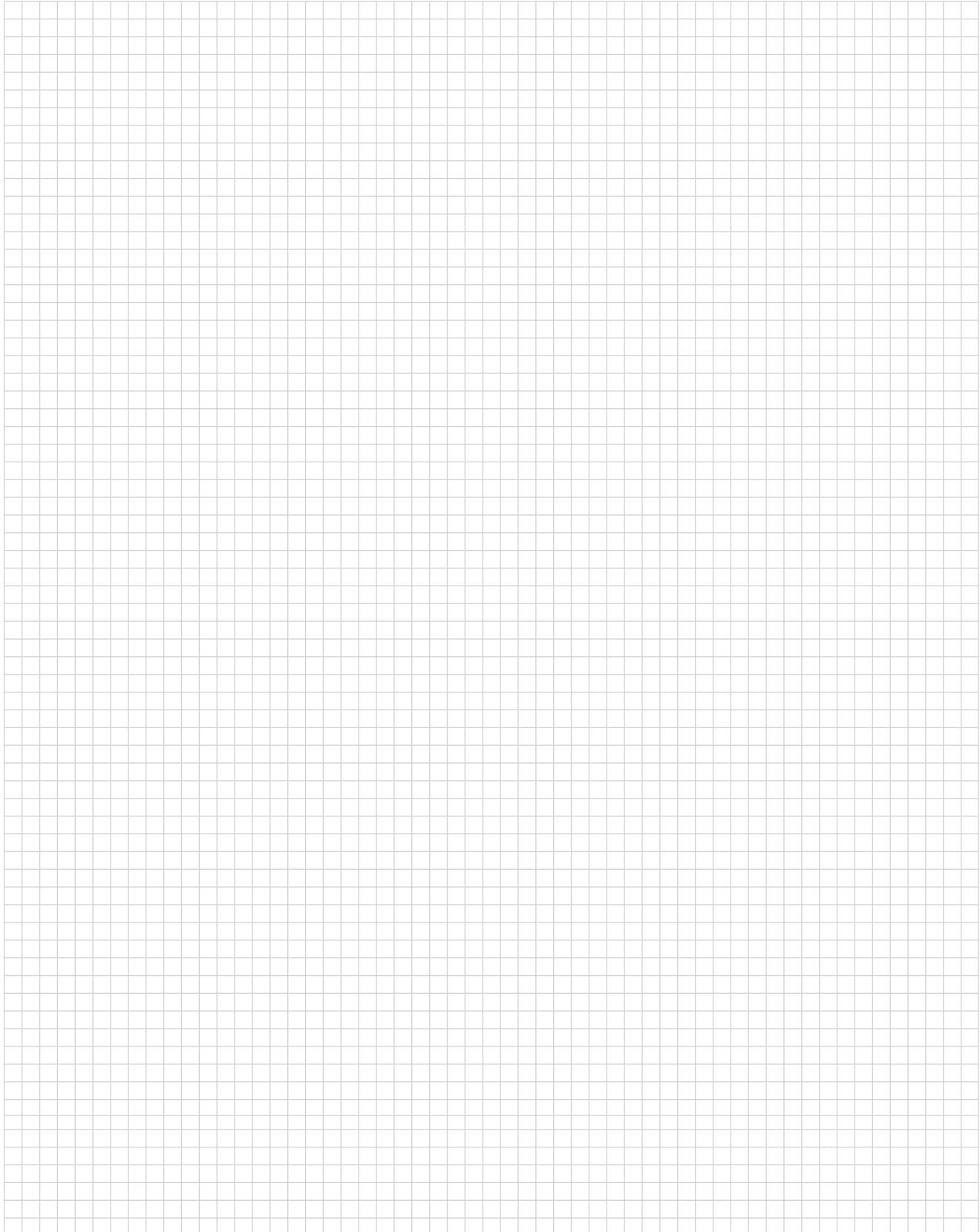
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Note: All part numbers
are RoHS Compliant.

Engineering Notes



Note: All part numbers are RoHS Compliant.


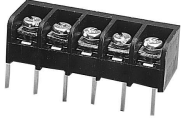
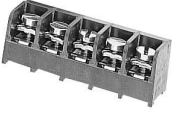




Table of Contents—Barrier Strips

Overview	114-118
(Barrier Strip Selector Chart)	114, 115
Tri-Barrier Strips	119-138
0.250" Pitch	120-123
0.325" Pitch	124-127
0.375" Pitch	128-135
0.4375" Pitch	136-138
Dual-Barrier Strips	139-160
0.250" Pitch	141-142
0.325" Pitch	143-146
0.375" Pitch	147-150
0.4375" Pitch	151-154
0.375" Double Row, Panel Mount	155-156
0.433" Double Row, Panel Mount	157
0.437" Double Row, Panel Mount	158
0.563" Double Row, Panel Mount	160
Sockets and Barrier Strips	161-173
0.325" Pitch, Series USB3 Socket	162
0.375" Pitch, Series RSB6B Socket	163
0.325" Pitch, Series RSB3 Tri-Barrier	164-166
0.325" Pitch, Series SSB3 Dual-Barrier	168-170
0.375" Pitch, Series RSB6 Tri-Barrier	171-173
Accessories	174-179

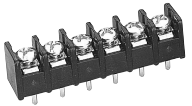
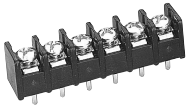


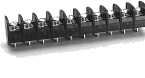
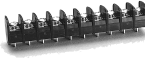
Note: All part numbers are RoHS Compliant.

Barrier Strip Selector Chart

Tri-Barrier

								
	0.250"	0.325"	0.325"	0.375"	0.375"	0.375"	0.375"	0.4375"
Series	#3	#4	1546927	#6	1546833	BC6	MB6	#8
Pitch (in)	0.250"	0.325"	0.325"	0.375"	0.375"	0.375"	0.375"	0.4375"
Circuits	2-32	2-30	2-8	2-30	2-8	2-16	4-40	2-26
Max Current	10A	25A	15A	25A	15A	20A	25A	30A
Max Voltage	300V	300V	300V	600V	300V	300V	300V	600V
Wire Range (AWG)	18-22	12-22	14-22	12-22	14-22	12-22	12-22	10-18
Description	Molded to length	Molded to length	Molded to length	Molded to length	Molded to length, Modular	Molded to length	Double Level snapped to length	Molded to length
Page	120-123	124-126	127	128-131	132	133-134	135	136-138

Dual-Barrier

						
	.250"	0.325"	0.325"	0.375"	0.375"	0.4375"
Series	1546657	4DB	1546734	JC6	NC6	SSB7
Pitch (in)	.250"	0.325"	0.325"	0.375"	0.375"	0.4375"
Circuits	2-30	2-30	2-16	2-16	2-30	2-27
Max Current	10A	20A	20A	20A	20A	20A
Max Voltage	300V	150V/ 300V	300V	300V	300V	600V
Wire Range (AWG)	16-30	14-22	12-22	12-22	12-22	12-26
Description	Molded to length	Molded to length	High Rise, Molded to length	Molded to length	Low Profile version, Molded to length	Cut to length
Page	141-142	143-144	145-146	147-148	149-150	151-154

Note: All part numbers are RoHS Compliant.

Barrier Strip Selector Chart (Continued)

Double Row

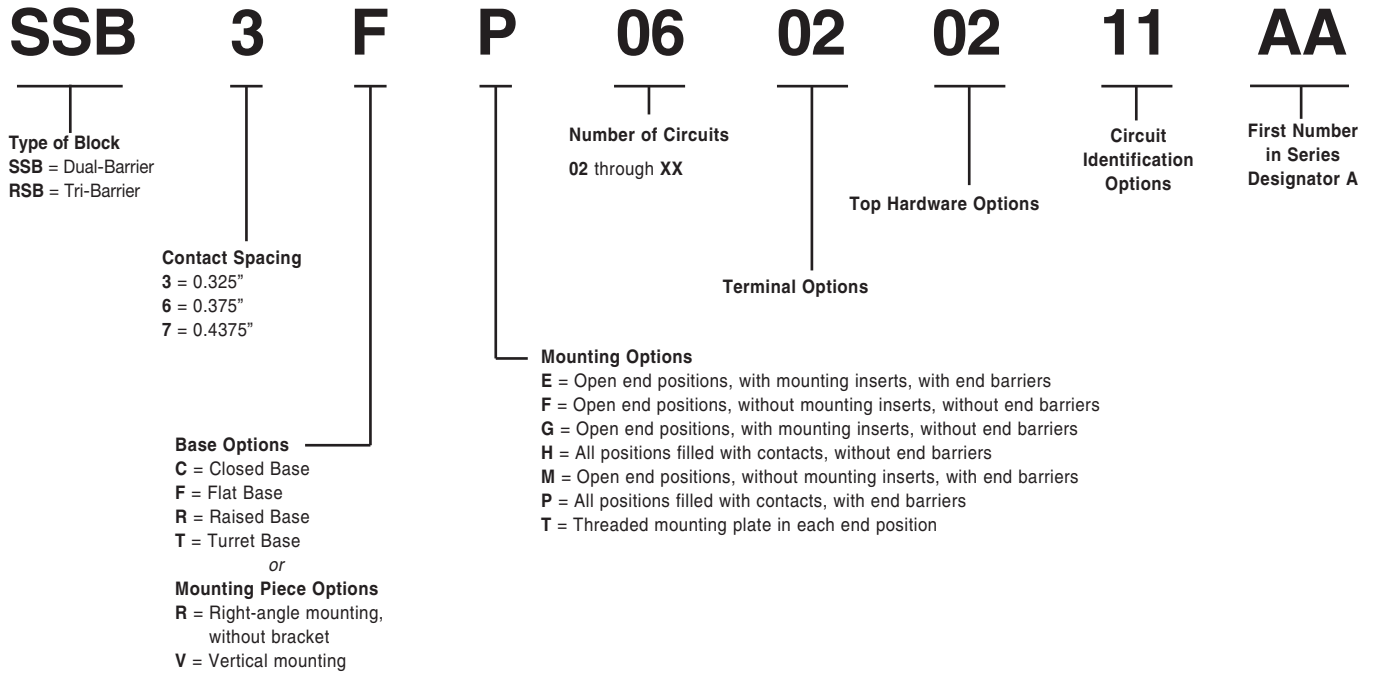
	0.374"	0.433"	0.437"	0.563"	
Series	1546306 1546307	1546481 1546477	1546670 1546671	1546310 1546311	1776544 1986158
Pitch (in)	0.374"	0.433"	0.437"	0.563"	0.563"
Circuits	2-30	2-26	2-26	2-18	2-18
Max Current	20A	25A	25A	30A	30A
Max Voltage	300V	300V	300V	300V	600V
Wire Range (AWG)	12-22	14-22	14-22	10-22	10-22
Description	Panel Mount, molded to length	Panel Mount, molded to length	Panel Mount, molded to length	Panel Mount, molded to length	Panel Mount, molded to length
Page	156	157	158	159	160

Sockets and Barrier Strips



	0.325"	0.325"	0.325"	0.375"	0.375"
Series	USB	RSB3	SSB3	RSB6B	RSB6
Pitch (in)	0.325"	0.325"	0.325"	0.375"	0.375"
Circuits	2-12	2-36	2-36	2-10	2-36
Max Current	10A	15A	15A	10A	20A
Max Voltage	300V	300V	300V	300V	300V
Wire Range (AWG)	n/a	14-26	14-26	n/a	12-26
Description	For Series RSB3 & SSB3	Cut to length	Cut to length	For Series RSB6	Cut to length
Page	162	164-166	168-170	163	171-173

Catalog Number Code



OPTIONAL TERMINAL IDENTIFICATION

Select the desired version from the list below and add the CODE NUMBER (11, 12, 15 or 16) to the end of the catalog number of the connector or header.

- CODE
11 = 1 2 3 4 . . .
12 = . . . 4 3 2 1
15 = . . . † 3 5 †
16 = † 5 3 † . . .

*"First Number In Series" Designator**

- | | |
|-------|-------|
| A = 1 | F = 6 |
| B = 2 | G = 7 |
| C = 3 | H = 8 |
| D = 4 | J = 9 |
| E = 5 | K = 0 |

* Letters in this position designate the first number to be used in the consecutive sequence. Ex.: "A" would start the sequence with the number 1. "EK" would start the sequence with the number 50. "BKK" would start the series with 200. For non-sequential numbering and special characters, consult Technical Support.

Note: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering. Catalog numbering code applies only to the catalog numbers on pages 125, 148-151, 164-169.

Note: All part numbers are RoHS Compliant.

Catalog Number Code (Continued)

6 PCV-04-XXX

Contact Spacing

- 3 = 0.250"
- 4 = 0.325"
- 6 = 0.375"
- 8 = 0.4375"

Suffix (if applicable)

Number of Circuits
02 through XX

Terminal Style

- DBL** = Double Printed Circuit Pin
- PCR** = Printed Circuit, Right Angle
- PCV** = Printed Circuit Pin, Vertical
- QCR** = Quick Connect Tab, Right Angle
- QCV** = Quick Connect Tab, Vertical
- STR** = Solder Turret, Right Angle
- STV** = Solder Turret, Vertical
- TBV** = Non Feed Thru
- WWR** = Solderless Wire Wrap, Right Angle
- WWV** = Solderless Wire Wrap, Vertical

Note: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering. Catalog numbering code applies only to the catalog numbers on pages 119-124, 127-129, 134-136.

Barrier Strips – Overview

Two Types of Barrier Strips and a Line of Sockets:

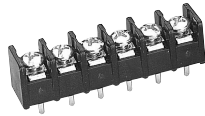
Tri-Barrier

Three walls or barriers surround each terminal screw. The back wall safeguards field wiring.



Dual-Barrier

Two walls or barriers are molded on each side of the terminal screw.



Sockets

Mounted directly to the PC board, the Barrier Strip is plugged into the socket. The socket expedites field maintenance. (Below, a tri-barrier is about to be mounted in a socket.)



Wire Clamp Screws

The lower surface and edges of the clamping-plates are carefully designed to securely clamp the wire—even combinations of different wire sizes—without severing stranded wire. Extra care has been taken to produce these components without burrs on any critical clamping surface or edges.

Resilient Plastic Barriers

Flexible thermoplastic material for terminal blocks was an especially important feature at the time of its introduction, since many earlier blocks were molded of more rigid, brittle thermosetting plastic compounds.

Wire-Ready Raised Screws

Wire-ready raised screws are standard on BUCHANAN terminal blocks. No need to back off the screw first. Just insert the wire and drive down the screw. Wire installation time and effort are virtually cut in half.

Integral Standoffs

Standoffs help rid your PCB of any remaining corrosive agents during rinsing operations. Helps prevent trapped solutions in the immediate PC pin area. Significantly reduces the risk of postwave corrosion problems.

Gas-Tight Connections

The acid-tin plating on our terminals means more than just improved shelf-life and superior solderability. It is to provide the very basis for the heart of your wire connections.

Quality Plating

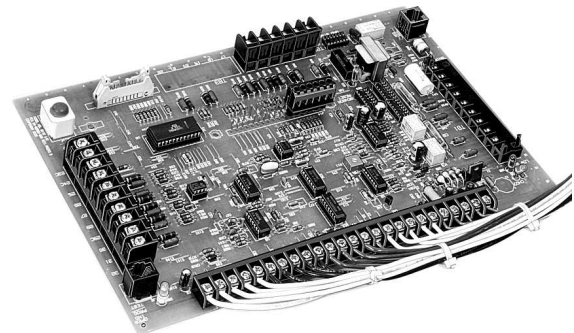
Tyco Electronics Corporation has been known for its plating, especially on the tin-plated components, and has maintained stringent plating specifications to provide a better performing, more reliable product. (Terminals meet or exceed Tyco Electronics Specification 109-11-1.)

UL Recognition and CSA Certification

Terminal blocks and interconnect components are Recognized under the Component Recognition Program of Underwriters Laboratories Inc. and Certified by Canadian Standards Association. (Consult individual sections of this catalog for status of a specific series.)

Typical Application

Pictured below is a PC board with barrier strips and sockets wave soldered to it.



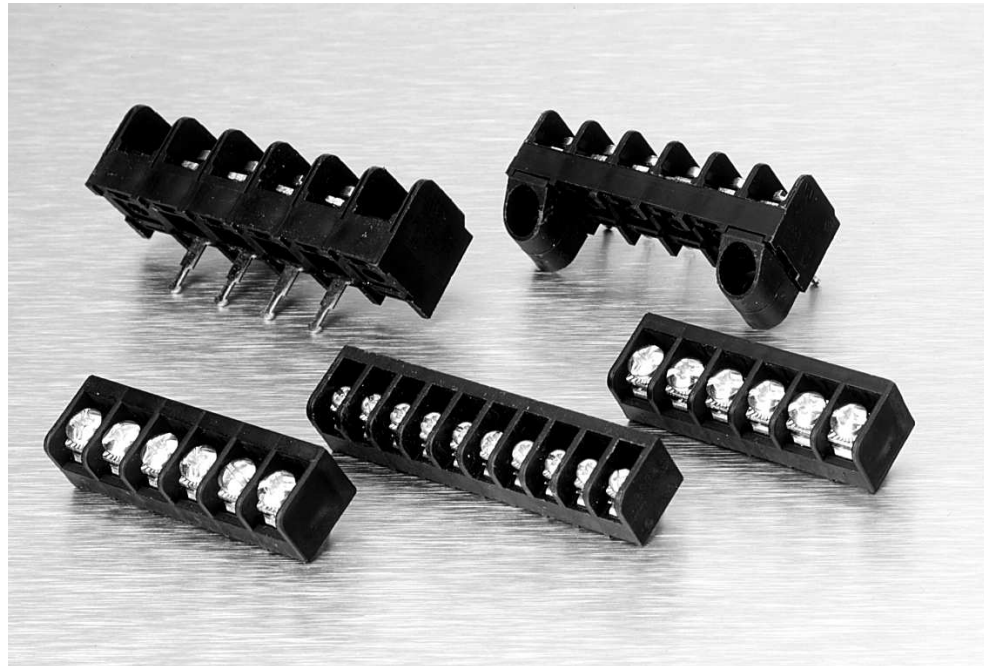
Tri-Barrier Strips

Product Facts

- n Industrial controls and automation
- n Machine tools
- n HVAC/R
- n Power supplies
- n Security/Irrigation
- n Transformers

Design Advantages

- n Back barriers to safeguard field wiring
- n Fast wiring – backed-out wire-ready screws
- n Interrupted thread designed to prevent screws from falling out
- n Standoffs allow flux and solvents to drain during cleaning
- n Molded-to-length or cut-to-length versions available
- n Phil-slot screws are standard
- n RoHS compatible



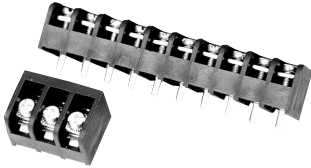
Tri-Barrier blocks help contain stray or frayed wire ends. This helps prevent electrical shorts — not only between positions on the same block, but also between other components immediately adjacent to the block. With today's high-density PCB designs, this has become an increasingly important feature.

Connector Index

0.250" Pitch, Series #3	.....	120-123
0.325" Pitch, Series #4	.....	124-126
0.325" Pitch, with Attached Safety Cover	.....	127
0.375" Pitch, Series #6	.....	128-135
0.375" Pitch, Modular with Cover	.....	132
0.375" Pitch, Series BC6, Panel Mount	.....	133,134
0.375" Pitch, Series MB6, Double Level	.....	135
0.4375" Pitch, Series #8	.....	136-138

.250" [6.35] Pitch, Series #3

3PCV-03-006 & 3PCV-10-006



Material & Finish

Housing Material—Polypropylene

Flammability—UL94V-0

Color—Black

Terminals—Bright acid tin over copper alloy

Screws—Steel, zinc plating with clear chromate coating. Wire clamping screws standard.

Mechanical Properties

Pitch (Terminal Spacing)—
0.250" [6.35]

Recommended PCB Hole Dia.—
1.8mm [.073"] Recommended
Tightening Torque: 5.5 in.-lbs.

Electrical Properties

Ratings—UL Class C 10 Amps, 150V
UL Class D 10 Amps, 300V
CSA Type C 10 Amps, 150V
CSA Type D 10 Amps, 300V

Wire Range—18-22 AWG

Environmental Properties

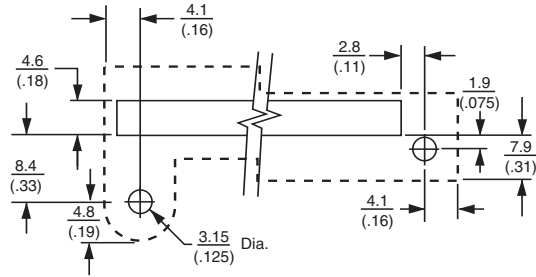
Operating Temperature Range—
105°C [221°F] max.

Circuit Identification—See page 179

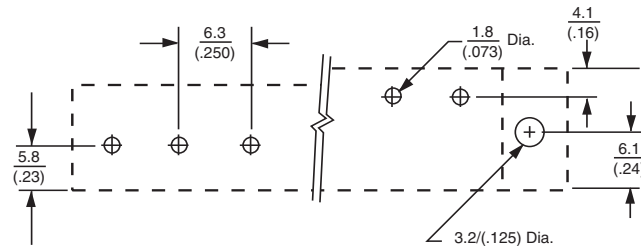
Hardware Options

TC3—Safety cover, see page 174

J3—Jumper, see page 177



RIGHT ANGLE MOUNTING PANEL LAYOUT VERTICAL



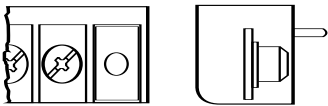
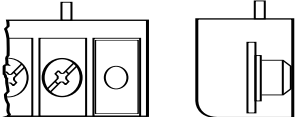

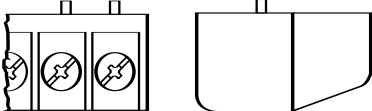
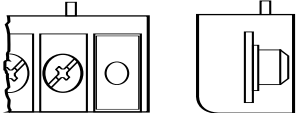
RIGHT ANGLE PRINTED CIRCUIT LAYOUT CENTER

.250" [6.35] Pitch, Series #3 (Continued)

Ordering Information

3 PCV - 04 - 006

- A** **Thread Size Spacing**
3 = #m3 on .250" Centers
- B** **Terminal Style**
PCV = Printed Circuit Pin, Vertical
PCR = Printed Circuit, Right Angle
STV = Solder Turret, Vertical
STR = Solder Turret, Right Angle
WWV = Solderless Wire Wrap, Vertical
- C** **No. of Circuits** (Not Positions)
02 through 32
- D** **Modifier**
Use table below.

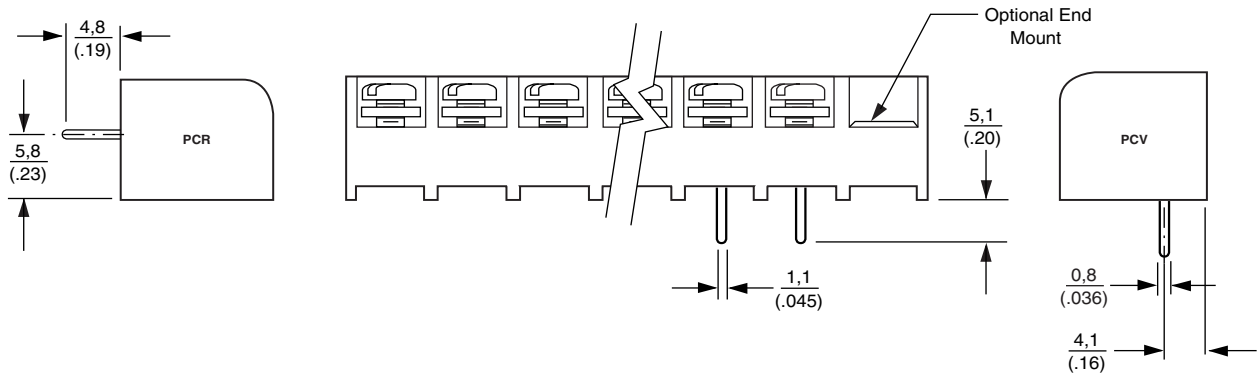
Terminal Style	Modifier Phil-slot Head	Screw Style	Mounting Construction
PCV	006	Wire Clamp	No Mounting
	008	Wire Clamp	
PCR	006	Wire Clamp	No Mounting
	008	Wire Clamp	
STV WWV	006	Wire Clamp	
	008	Wire Clamp	No Mounting
STR	006	Wire Clamp	
	008	Wire Clamp	



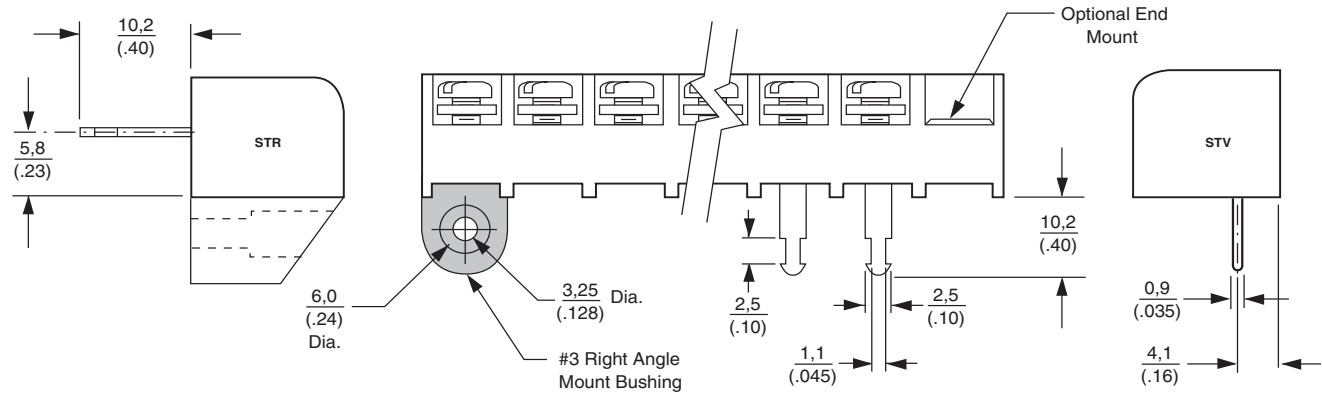
Note: All part numbers are RoHS Compliant.

.250" [6.35] Pitch, Series #3 (Continued)

Printed Circuit Pin

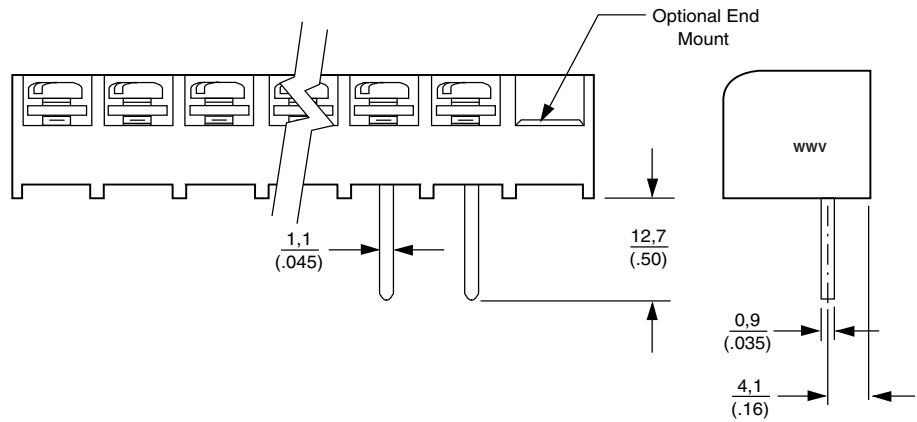


Solder Turret



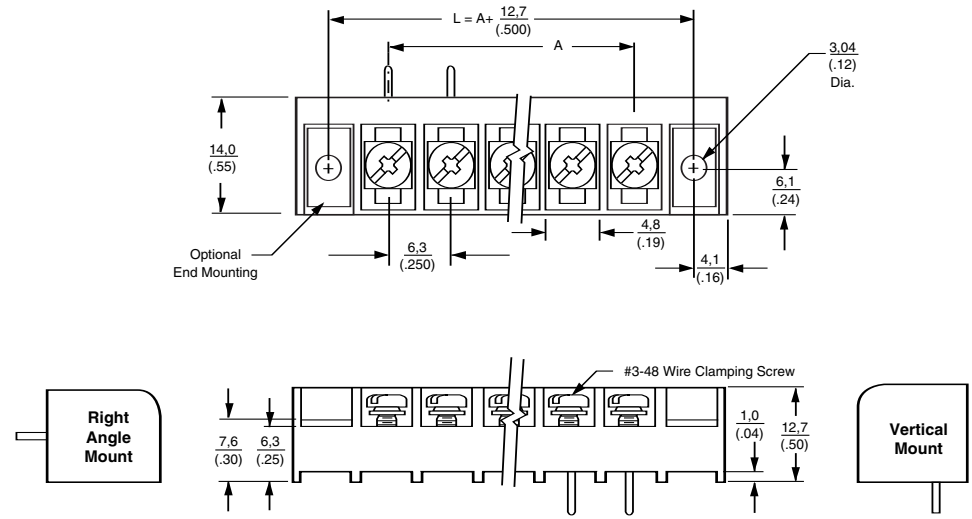
Wire Wrap

#3WWR not available



Note: All part numbers are RoHS Compliant.

.250" [6.35] Pitch, Series #3 (Continued)



No. of Positions	Dim. A
2	0.25 [6.3]
3	0.50 [12.7]
4	0.75 [19.0]
5	1.00 [25.4]
6	1.25 [31.7]
7	1.50 [38.1]
8	1.75 [44.4]
9	2.00 [50.8]
10	2.25 [57.1]
11	2.50 [63.5]
12	2.75 [69.8]
13	3.00 [76.2]
14	3.25 [82.5]
15	3.50 [88.9]
16	3.75 [95.2]
17	4.00 [101.6]

No. of Positions	Dim. A
18	4.25 [107.9]
19	4.50 [114.3]
20	4.75 [120.6]
21	5.00 [127.0]
22	5.25 [133.3]
23	5.50 [139.7]
24	5.75 [146.0]
25	6.00 [152.4]
26	6.25 [158.8]
27	6.50 [165.1]
28	6.75 [171.5]
29	7.00 [177.8]
30	7.25 [184.2]
31	7.50 [190.5]
32	7.75 [196.9]

Barrier Strips

2



Note: All part numbers are RoHS Compliant.

0.325" [8.26] Pitch, Series #4, Tri-Barrier

4PCV-06-006



Material & Finish

Housing Material—Polyamide

Flammability—UL94V-0

Color—Black

Terminals—Bright acid tin over copper alloy

Screws—#4-40 steel, zinc plating with clear chromate coating. Wire clamping screw and binding head screw available.

Mechanical Properties

Pitch (Terminal Spacing)—0.325" [8.255]

Recommended PCB Hole Dia.—1.8mm [.073"]

Recommended Tightening Torque—7 in.-lbs. max.

Electrical Properties

Ratings—UL Class C 20 Amps, 150V
 UL Class D 10 Amps, 300V
 CSA Type C 20 Amps, 150V
 CSA Type D 10 Amps, 300V

Wire Range—12-22 AWG

Environmental Properties

Operating Temperature Range—105°C [221°F] max.

Circuit Identification—See page 179

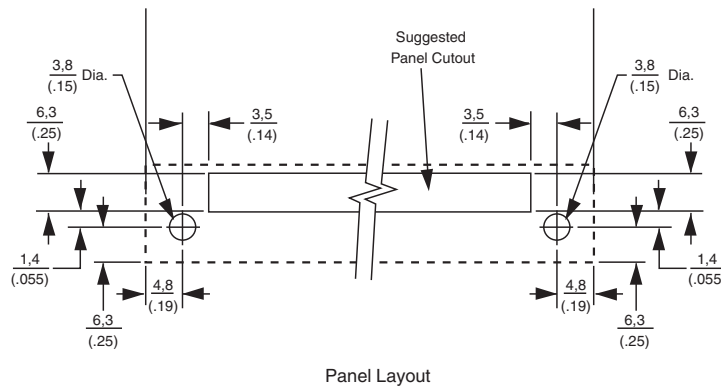
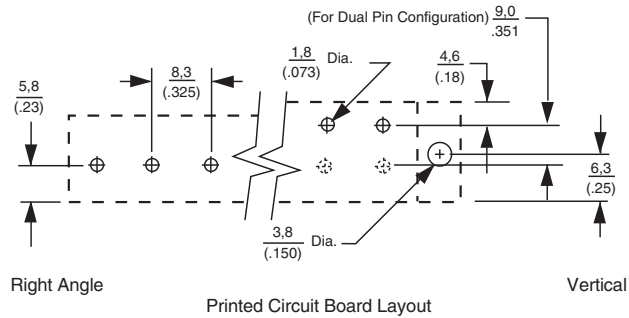
Hardware Options

TC4—Safety cover, see page 174

8-1437649-0—Wire clamp screw, see page 178

8-1437649-0—Binding head screw, see page 178

J4—Jumper, see page 177



0.325" [8.26] Pitch, Series #4, Tri-Barrier (Continued)

Ordering Information

4 PCV-04-006

A **B** **C** **D**

A Screw Size Spacing

4 = #4-40 on .325" Centers

C No. of Circuits (Not Positions)

02 through 30

B Terminal Style

DBL = Double Printed Circuit Pin

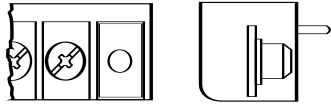
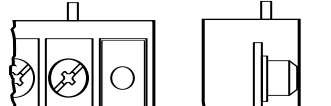
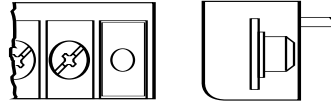
PCR = Printed Circuit, Right Angle

PCV = Printed Circuit Pin, Vertical

WWV = Solderless Wire Wrap, Vertical

D Modifiers

Use table below.

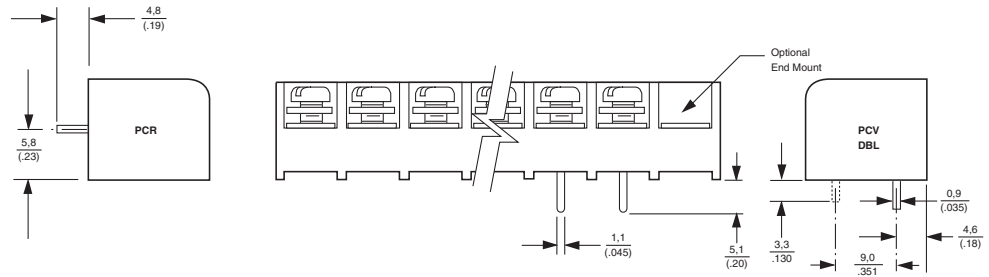
Terminal Style	Modifier Phil-slot Head	Screw Style	Mounting Construction
DBL	006	Wire Clamp	No Mounting
PCV	006	Wire Clamp	No Mounting
	008	Wire Clamp	
PCR	006	Wire Clamp	No Mounting
	008	Wire Clamp	
WWV	006	Wire Clamp	
	008	Wire Clamp	No Mounting



Note: All part numbers are RoHS Compliant.

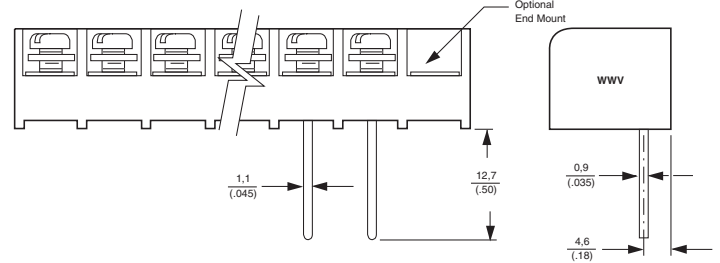
0.325" [8.26] Pitch, Series #4, Tri-Barrier (Continued)

Printed Circuit Pin

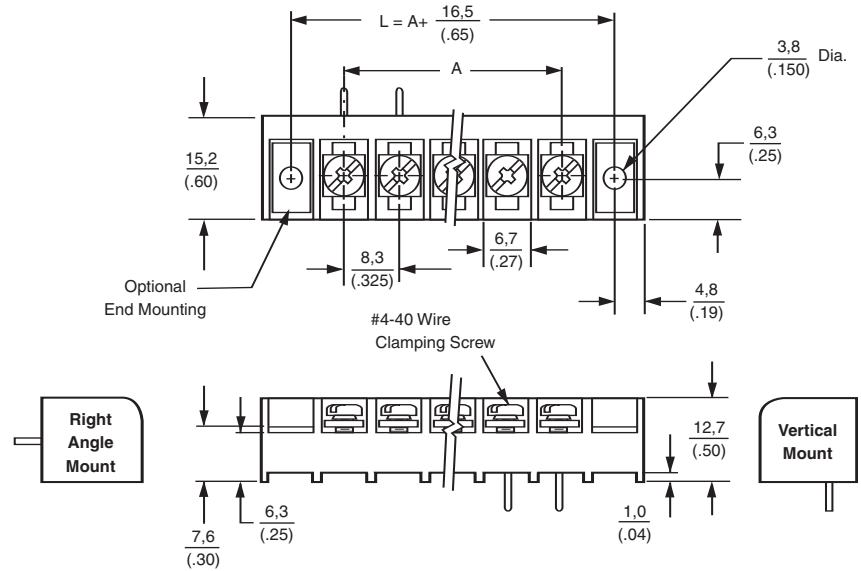


Wire Wrap

#4 WWR Not available



0.325" Pitch, Series #4, Tri-Barrier



No. of Positions	Dim. A	No. of Positions	Dim. A
2	(0.325) 8,2	17	(5.20) 132,1
3	(0.65) 16,5	18	(5.52) 140,3
4	(0.97) 24,7	19	(5.85) 148,6
5	(1.30) 33,0	20	(6.17) 156,8
6	(1.62) 41,3	21	(6.50) 165,1
7	(1.95) 49,5	22	(6.82) 173,3
8	(2.27) 57,8	23	(7.15) 181,6
9	(2.60) 66,0	24	(7.47) 189,9
10	(2.92) 74,3	25	(7.80) 198,1
11	(3.25) 82,5	26	(8.13) 206,4
12	(3.57) 90,8	27	(8.45) 214,6
13	(3.90) 99,1	28	(8.78) 222,9
14	(4.22) 107,3	29	(9.10) 231,1
15	(4.55) 115,6	30	(9.43) 239,4
16	(4.87) 123,8		



Note: All part numbers are RoHS Compliant.

Tri-Barrier Strips with Attached Safety Covers, .325" [8.26] Centerline

Product Facts

- ▢ **Screwdriver access holes in cover allow for efficient wiring; cover may remain closed**



Material & Finish

Insulator Body—UL 94V-0 Thermoplastic, black

Terminal—Brass, tin-plated

Mechanical Properties

Recommended screw tightening torque—12 in-lbs

Combination drive screws with #2 Phillips recess and standard slot

Electrical Properties

Current Rating—15 A

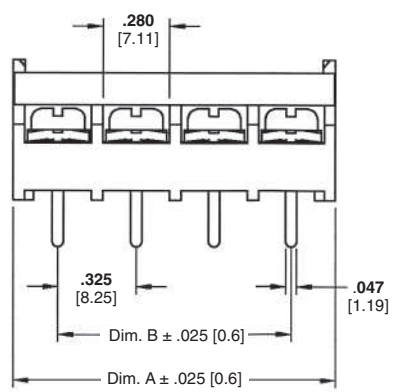
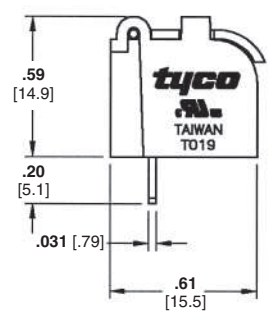
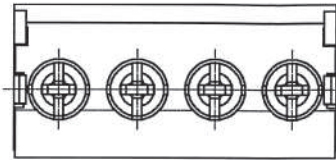
Voltage Rating—300 VAC/DC

Wire Range—22-14 AWG, Cu, Solid or Stranded

Environmental Properties

Operating Temperature—-40°C to +120°C [-104°F to +248°F]

Circuit Identification—See page 179

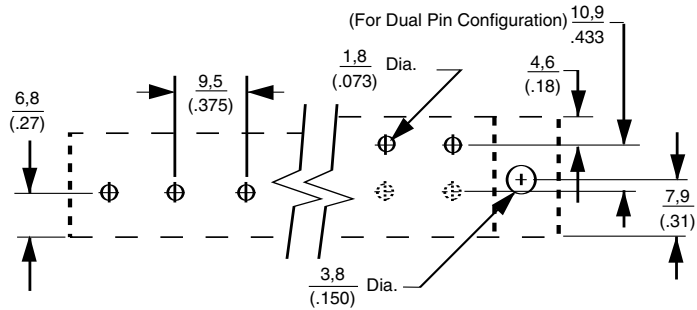
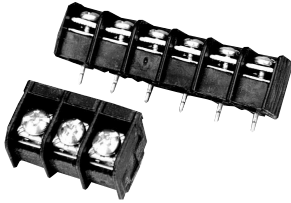


No. of Position*	Dimensions		Part Numbers
	A	B	
2	0.697 [17.7]	0.325 [8.3]	1546927-2
3	1.022 [26.0]	0.650 [16.5]	1546927-3
4	1.347 [34.2]	0.975 [24.8]	1546927-4
5	1.672 [42.5]	1.300 [33.0]	1546927-5
6	1.997 [50.7]	1.625 [41.3]	1546927-6
7	2.322 [59.0]	1.950 [49.5]	1546927-7
8	2.647 [67.2]	2.275 [57.8]	1546927-8

*Contact Tyco Electronics for larger position sizes.
Note: Samples available in Sample Room.

0.375" [9.53] Pitch, Series #6, Tri-Barrier

6PCV-03-006 & 6PCV-06-006



Right Angle
Printed Circuit Board Layout

Material & Finish

Housing Material—Polyamide

Flammability—UL94V-0

Color—Black

Terminals—Bright acid tin over copper alloy

Screws—#6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws with undercut available.

Mechanical Properties

Pitch (Terminal Spacing)—0.375" [9.53]

Recommended PCB Hole Dia.—1.8mm [.073"]

Electrical Properties

Ratings—UL Class C 25 Amps, 300V
UL Class D 5 Amps, 600V
CSA Type C 25 Amps, 300V
CSA Type D 5 Amps, 600V

Wire Range—18-22 AWG

Environmental Properties

Operating Temperature Range—105°C [221°F] max.

Circuit Identification—See page 179

Hardware Options

QC6—Quick connects, see page 176

ST80—Single sided solder tabs, see page 176

J6—Jumpers, see page 177

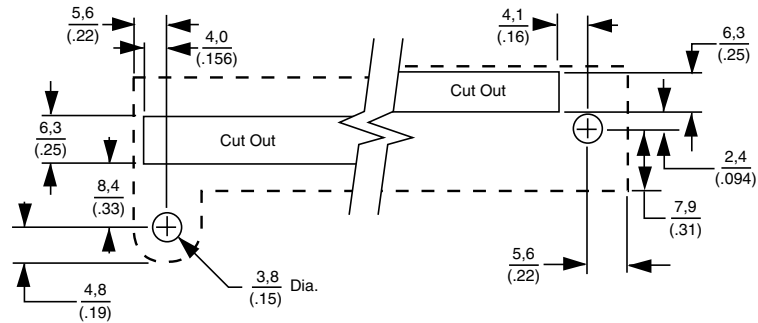
TC6—Safety covers, see page 174

1437651-2—Wire clamp screw, steel, see page 178

1437651-5—Wire clamp screw, brass, see page 178

1437651-8—Binding head screw, steel, see page 178

L03—Binding head screw, stainless, see page 178



Right Angle
Mounting Panel Layout

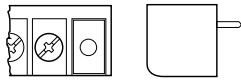
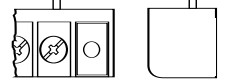
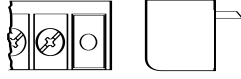
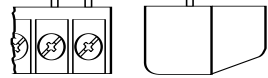
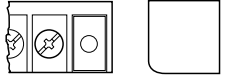


0.375" [9.53] Pitch, Series #6, Tri-Barrier (Continued)

6 PCV-04-006

A **B** **C** **D**

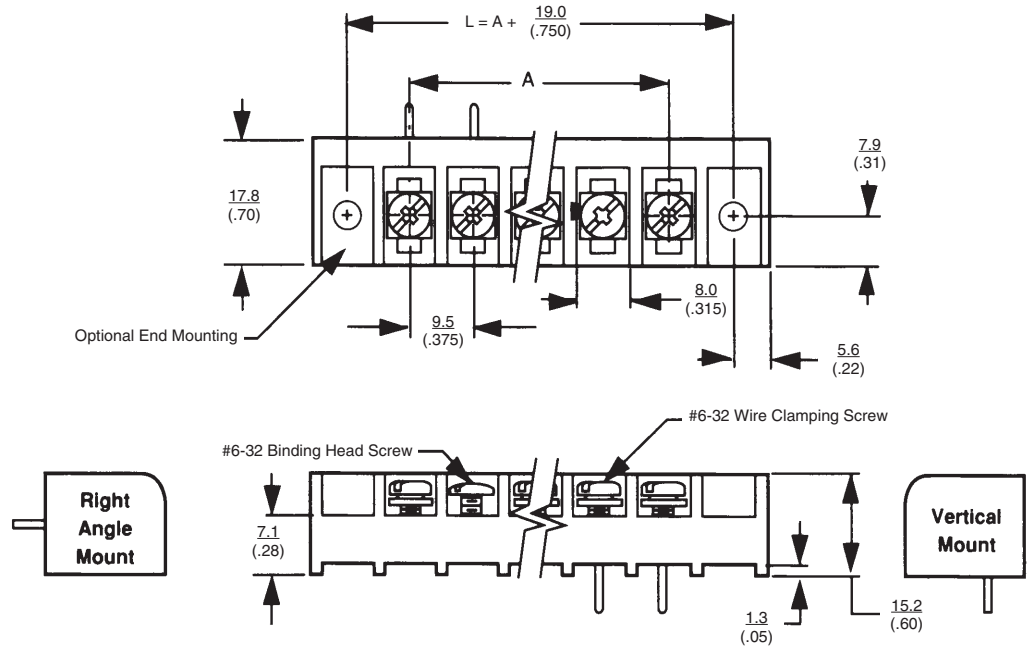
- A Screw Size Spacing**
6 = #6-32 on .375" Centers
- B Terminal Style**
 - DBL** = Double Printed Circuit Pin
 - PCR** = Printed Circuit, Right Angle
 - PCV** = Printed Circuit Pin, Vertical
 - STR** = Solder Turret, Right Angle
 - STV** = Solder Turret, Vertical
 - TBV** = Non Feed Thru
 - WWR** = Solderless Wire Wrap, Right Angle
 - WWV** = Solderless Wire Wrap, Vertical
- C No. of Circuits (Not positions)**
02 through 30
- D Modifiers**
Use table below.
-002=-006 except brass screw
-003=-007 except brass screw

Terminal Style	Modifier Phil-slot Head	Screw Style	Mounting Construction
DBL	006	Wire Clamp	No Mounting
	007	Binding Head	
PCV	006	Wire Clamp	No Mounting
	007	Binding Head	
	008	Wire Clamp	
	009	Binding Head	
PCR	006	Wire Clamp	No Mounting
	007	Binding Head	
	008	Wire Clamp	
	009	Binding Head	
STV WWV	006	Wire Clamp	
	008	Wire Clamp		No Mounting
STR WWR	006	Wire Clamp	
	008	Wire Clamp	
TBV	006	Wire Clamp	



Note: All part numbers are RoHS Compliant.

0.375" [9.53] Pitch, Series #6, Tri-Barrier (Continued)



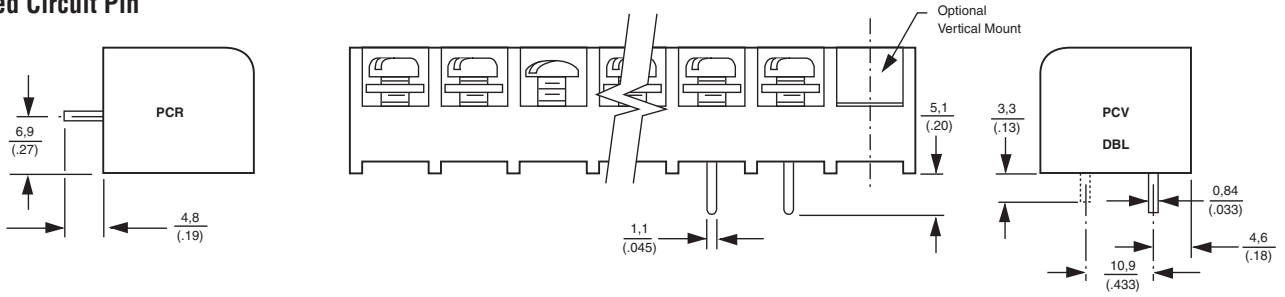
No. of Positions	Dim. A	No. of Positions	Dim. A
2	0.375 [9.5]	17	6.00 [152.4]
3	0.75 [19.1]	18	6.37 [161.9]
4	1.12 [28.6]	19	6.75 [171.4]
5	1.50 [38.1]	20	7.12 [181.9]
6	1.87 [47.6]	21	7.50 [190.5]
7	2.25 [57.1]	22	7.87 [200.0]
8	2.62 [66.7]	23	8.25 [209.5]
9	3.00 [76.2]	24	8.62 [219.1]
10	3.37 [85.7]	25	9.00 [228.6]
11	3.75 [95.2]	26	9.38 [238.1]
12	4.12 [104.8]	27	9.75 [247.7]
13	4.50 [114.3]	28	10.13 [257.2]
14	4.87 [123.8]	29	10.50 [266.7]
15	5.25 [133.3]	30	10.88 [276.2]
16	5.62 [142.9]		



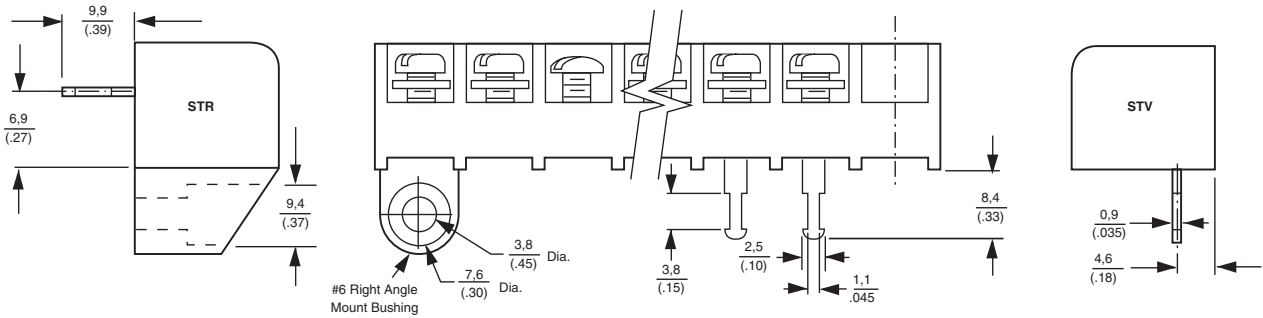
Note: All part numbers are RoHS Compliant.

0.375" [9.53] Pitch, Series #6, Tri-Barrier (Continued)

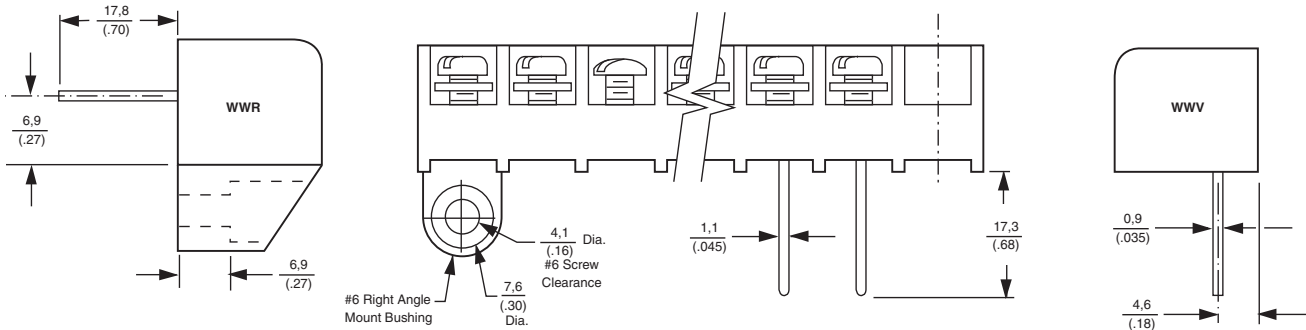
Printed Circuit Pin



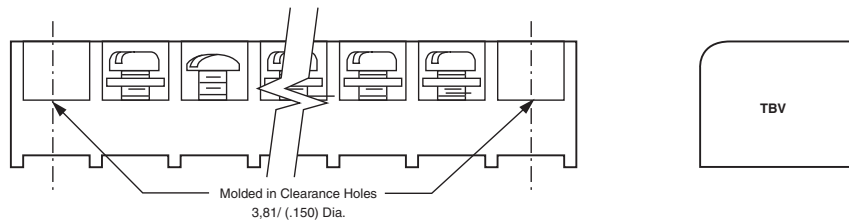
Solder Turret



Wire Wrap



Non-Feed Thru



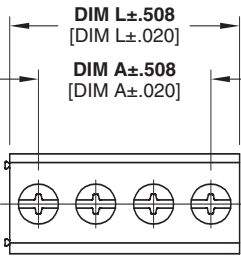
Barrier Strips

2



Note: All part numbers are RoHS Compliant.

0.375" [9.53] Pitch, Modular w/cover, Tri-Barrier



Material & Finish

Housing Material—Polyamide

Flammability—UL94V-0

Color—Black

Terminals—Brass, tin-plated

Screws—m3.5, steel, nickel plated

Mechanical Properties

Pitch (Terminal Spacing)—
0.375" [9.53]

Recommended PCB Hole Dia.—
1.8mm [.073"]

Recommended Tightening Torque—
12 in.-lb.

Electrical Properties

Ratings*—UL Class B 15 Amps, 300V
UL Class D 10 Amps, 300V

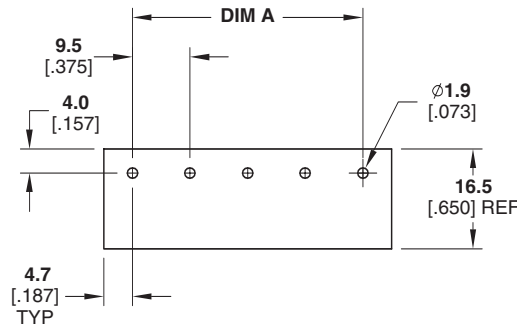
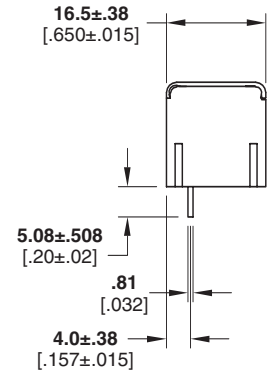
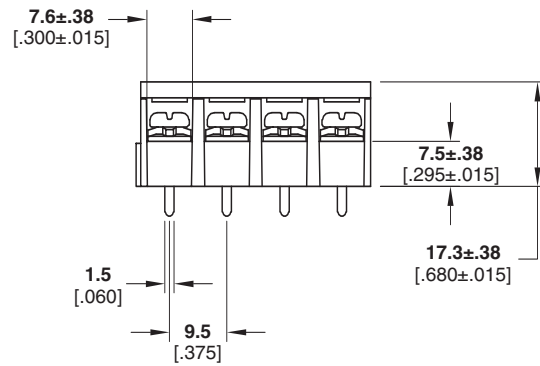
*Evaluated to U.S. and Canadian Standards.

Wire Range—18-22 AWG

Environmental Properties

Operating Temperature Range—
-40°C to +120°C [-104°F to +248°F]

Circuit Identification—See page 179



Recommended PC Board Layout

No. of Positions	Dimension A	Part Numbers
2	.375 [9.5]	1546833-2
3	.750 [19.0]	1546833-3
4	1.125 [28.6]	1546833-4
5	1.500 [38.1]	1546833-5
6	1.875 [47.6]	1546833-6
7	2.250 [57.1]	1546833-7
8	2.625 [66.7]	1546833-8

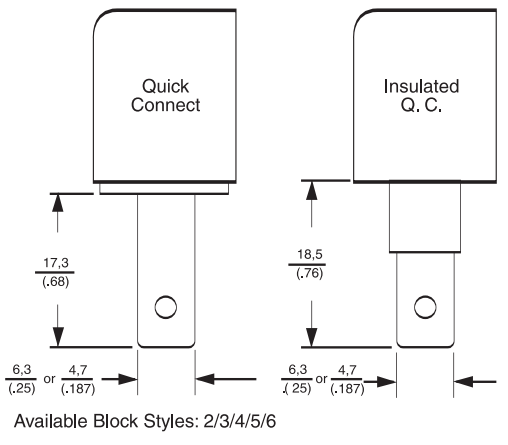
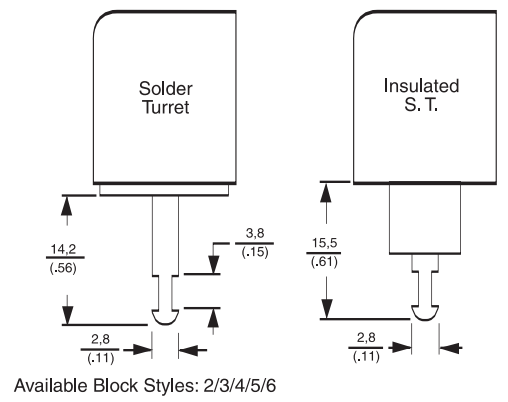
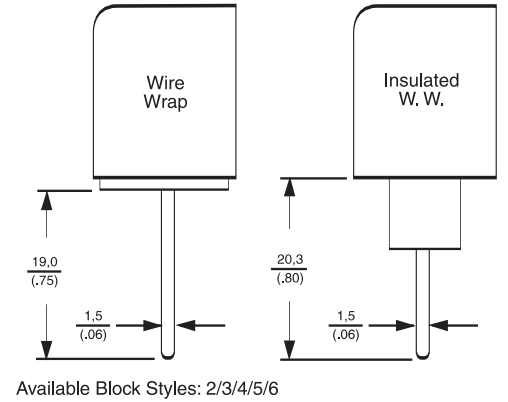
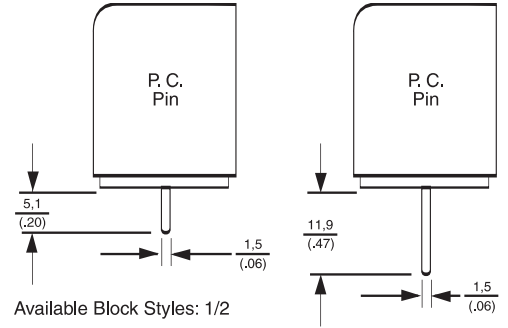
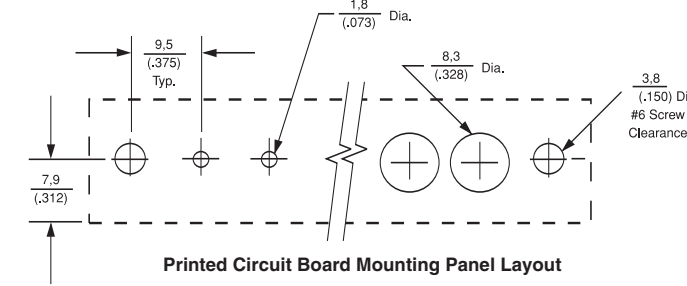
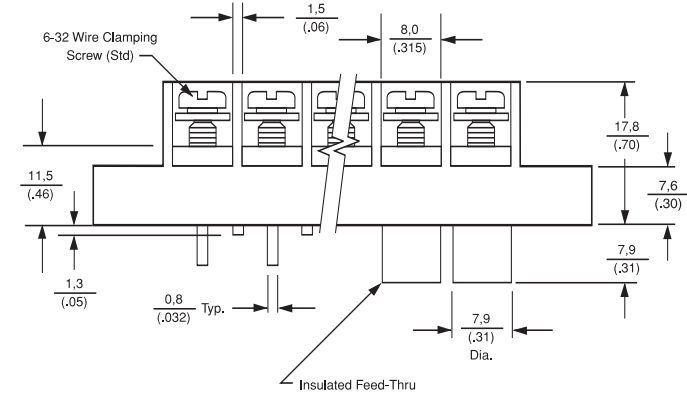
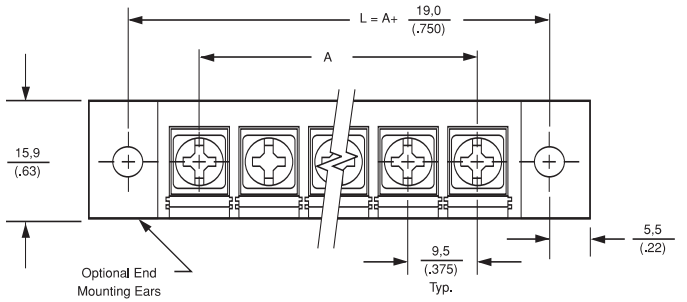


Note: All part numbers are RoHS Compliant.

0.375" [9.53] Pitch, Series BC6

No. of Positions	Dim. A
2	.375 [9.5]
3	.750 [19.1]
4	1.125 [28.6]
5	1.500 [38.1]
6	1.875 [47.6]
7	2.250 [57.1]
8	2.625 [66.7]
9	3.000 [76.2]

No. of Positions	Dim. A
10	3.375 [85.7]
11	3.750 [95.2]
12	4.125 [104.8]
13	4.500 [114.3]
14	4.875 [123.8]
15	5.250 [133.3]
16	5.625 [142.9]



Barrier Strips

2

0.375" [9.53] Pitch, Series BC6

Ordering Information



BC6 - P 1 08 - 08
A
B
C
D

Material & Finish

Housing Material—Polypropylene

Flammability—UL94V-0

Color—Black

Terminals—Bright acid tin over copper alloy

Screws—#6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws available.

Mechanical Properties

Pitch (Terminal Spacing)—0.375" [.525]

Recommended PCB Hole Dia.—1.8mm [.073"]

Electrical Properties

Ratings—UL Class C 20 Amps, 300V
 UL Class D 5 Amps, 600V
 CSA Type C 20 Amps, 300V

Wire Range—12-22 AWG

Environmental Properties

Operating Temperature Range—105°C [221°F] max.

Circuit Identification—See page 179

Hardware Options

TC2—Safety covers, see page 174

QC2x—.250 Quick connects, see page 176

QC4x—.187 Quick connects, see page 176

ST80—Single sided solder tabs, see page 176

1437661-7—Retaining clip, Insulating turret, see page 178

J6—Jumpers, see page 177

1437651-2—Wire clamp screw, steel, see page 178

1437651-5—Wire clamp screw, brass, see page 178

1437651-8—Binding head screw, steel, see page 178

L03—Binding head screw, stainless, see page 178

A Terminal Style

P=Printed Circuit (available with 1,2,5 block style only)

T=Solder Turret

Q=Quick Connect .250

W=Solderless Wrap

E=Extended Circuit Board

F=Quick Connect .187

B Block Style

1=Flat, all positions filled (standard)

2=Flat, end mounting ears with holes (required for cover option)

3=Insulating turret, end mounting ears with holes (required for cover option)

4=Insulating turret, all positions filled

5=Flat, end positions open with mounting bushings

6=Insulating turret, end positions open with mounting bushings

C Screw Hardware

07=Steel binding combo head screw

08=Steel wire-clamp combo head screw (standard)

05=Brass binding combo head screw

06=Brass wire-clamp combo head screw

D No. of Circuits (Not Positions)

02 to 25 circuits



LR30811

E54800

Note: All part numbers are RoHS Compliant.

0.375" [9.53] Pitch, Series MB6, Double Level

MB6-P108-##



Material & Finish

Housing Material—Thermoplastic polyamide

Flammability—UL94V-0

Color—Black

Terminals—Bright acid tin over copper alloy

Screws—#6-32 steel, zinc plating with clear chromate coating.

Mechanical Properties

Pitch (Terminal Spacing)— .375" [9.525]

Recommended PCB Hole Dia.— 1.8mm [.073"]

Electrical Properties

Ratings—UL Class C 25 Amps, 300V
CSA Type C 25 Amps, 600V

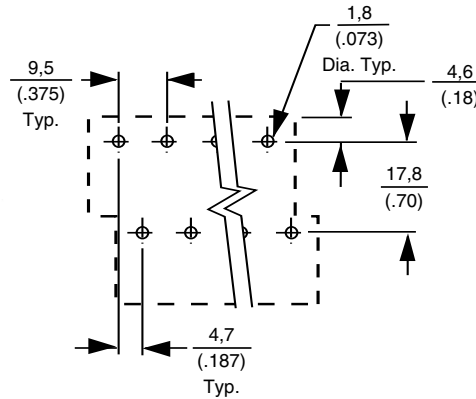
Wire Range—12-22 AWG

Environmental Properties

Operating Temperature Range— 105°C [221°F] max.

Hardware Options

1437651-2—Wire clamp screw, see page 178

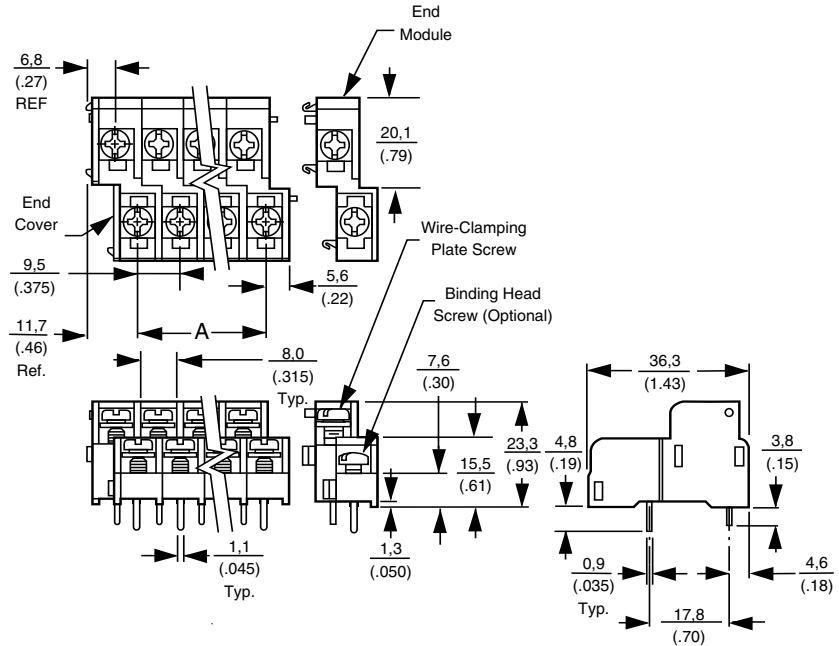


Printed Circuit Board Layout

ORDERING INFORMATION

MB6 - P1 08 - 04

- A Series**
MB6=Double Level, 0.375" Centers
- B Terminal Style**
P1=Printed Circuit Pin, Vertical
- C Screw Hardware**
08=Steel wire clamp combo head screws
- D 02 through 40** available in multiples of 2



No. of Positions	Dim. A	No. of Positions	Dim. A
4	0.375 [9.5]	24	4.125 [104.8]
6	0.750 [19.1]	26	4.500 [114.3]
8	1.125 [28.6]	28	4.875 [123.8]
10	1.500 [38.1]	30	5.250 [133.3]
12	1.875 [47.6]	32	5.625 [142.9]
14	2.250 [57.1]	34	6.000 [152.4]
16	2.625 [66.7]	36	6.375 [161.9]
18	3.000 [76.2]	38	6.750 [171.4]
20	3.375 [85.7]	*40	7.125 [181.0]
22	3.750 [95.2]		

* Longer lengths available. Please consult Technical Support.

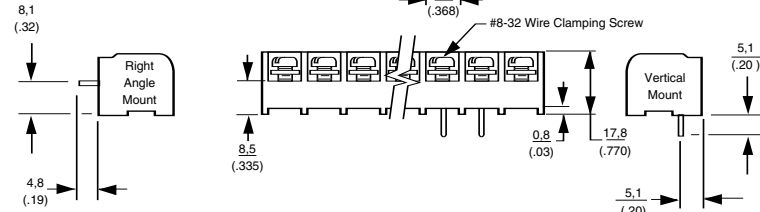
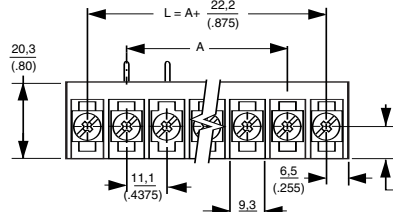
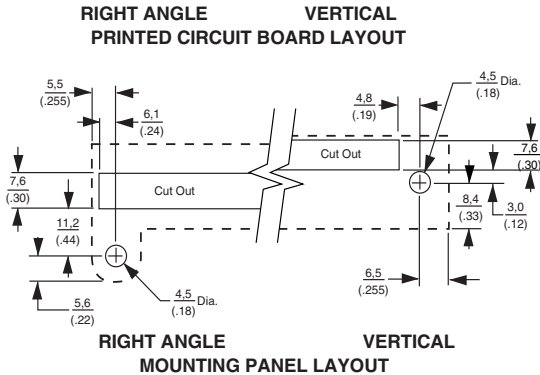
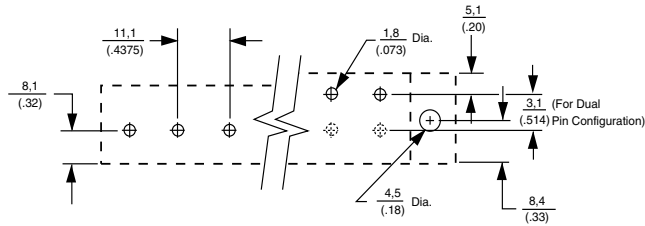


Barrier Strips
2

Note: All part numbers are RoHS Compliant.

0.4375" [11.1] Pitch, Series #8

#8 Series Tri-Barriers



Material & Finish

- Housing Material**—Polypropylene
- Flammability**—UL94V-0
- Color**—Black
- Terminals**—Bright acid tin over copper alloy
- Screws**—#8-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws with undercut available.

Mechanical Properties

- Pitch (Terminal Spacing)**—0.4375" [11.1]
- Recommended PCB Hole Dia.**—1.8mm [0.073"]

Electrical Properties

- Ratings**—UL Class C 30 Amps, 600V
CSA Type C 30 Amps, 600V
- Wire Range**—10-18 AWG (UL)
10-22 AWG (CSA)

Environmental Properties

- Operating Temperature Range**—105°C [221°F] max.

Circuit Identification—See page 179

Hardware Options

- TC8**—Safety covers, see page 174
- QC8**—Quick connects, see page 176
- J8**—Jumpers, see page 177
- 1437425-1**—Wire clamp screw, see page 178
- 1437429-1**—Binding head screw, steel, see page 178

No. of Positions	Dim. A
2	0.4375 [11.1]
3	0.87 [22.2]
4	1.31 [33.3]
5	1.75 [44.5]
6	2.19 [55.6]
7	2.62 [66.7]
8	3.06 [77.8]
9	3.50 [88.9]
10	3.93 [100.0]
11	4.37 [111.1]
12	4.81 [122.2]
13	5.25 [133.3]
14	5.69 [144.5]

No. of Positions	Dim. A
15	6.12 [155.6]
16	6.56 [166.7]
17	7.00 [177.8]
18	7.44 [188.9]
19	7.87 [200.0]
20	8.31 [211.1]
21	8.75 [222.2]
22	9.19 [233.4]
23	9.62 [244.5]
24	10.06 [255.6]
25	10.50 [266.7]
26	10.94 [277.8]

