







## Table of Contents—Barrier Strips

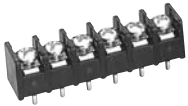





Overview .....	112-116
(Barrier Strip Selector Chart) .....	112, 113
<b>Tri-Barrier Strips</b> .....	117-135
0.250" Pitch .....	118-121
0.325" Pitch .....	122-125
0.375" Pitch .....	126-132
0.4375" Pitch .....	133-135
<b>Dual-Barrier Strips</b> .....	136-156
0.250" Pitch .....	138-139
0.325" Pitch .....	140-143
0.375" Pitch .....	144-147
0.4375" Pitch .....	148-151
0.375" Double Row, Panel Mount .....	152-153
0.433" Double Row, Panel Mount .....	154
0.437" Double Row, Panel Mount .....	155
0.563" Double Row, Panel Mount .....	156
<b>Sockets and Barrier Strips</b> .....	157-159
0.325" Pitch, Series USB3 Socket .....	158
0.375" Pitch, Series RSB6B Socket .....	159
0.325" Pitch, Series RSB3 Tri-Barrier .....	160-162
0.325" Pitch, Series SSB3 Dual-Barrier .....	164-166
0.375" Pitch, Series RSB6 Tri-Barrier .....	167-169
<b>Accessories</b> .....	170-175

## Barrier Strip Selector Chart

### Tri-Barrier

						
	0.250"	0.325"	0.375"	0.375"	0.375"	0.4375"
Series	#3	#4	#6	BC6	MB6	#8
Pitch (in)	0.250"	0.325"	0.375"	0.375"	0.375"	0.4375"
Circuits	2-32	2-30	2-30	2-16	4-40	2-26
Max Current	10A	25A	25A	20A	25A	30A
Max Voltage	300V	300V	600V	300V	300V	600V
Wire Range (AWG)	18-22	12-22	12-22	12-22	12-22	10-18
Description	Molded to length	Molded to length	Molded to length	Molded to length	Double Level snapped to length	Molded to length
Page	118-121	122-125	126-132	130	131, 132	133-135

### 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	138-139	140-141	142-143	144, 145	146, 147	148-151

**Barrier Strip Selector Chart** (Continued)

**Double Row**

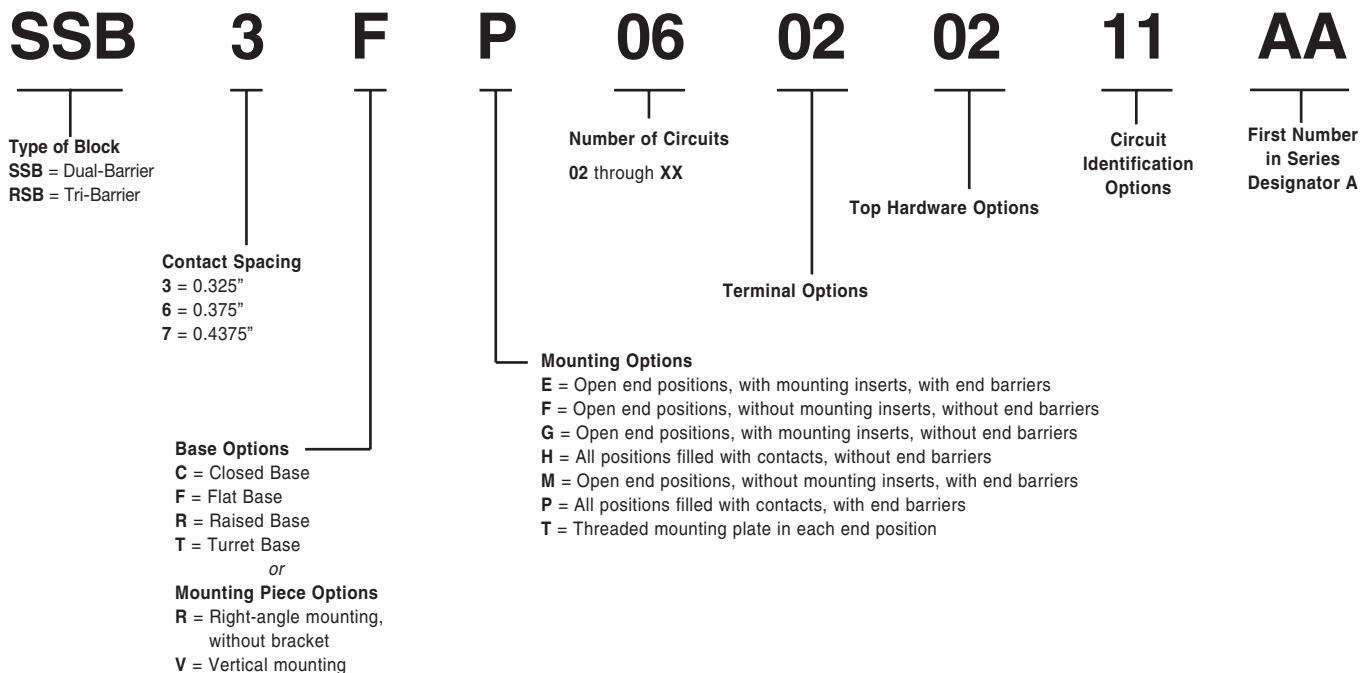
	0.374"	0.433"	0.437"	0.563"
Series	1546306 1546307	1546481 1546477	1546670 1546671	1546310 1546311
Pitch (in)	0.374"	0.433"	0.437"	0.563"
Circuits	2-30	2-26	2-26	2-18
Max Current	20A	25A	25A	30A
Max Voltage	300V	300V	300V	300V
Wire Range (AWG)	12-22	14-22	14-22	10-22
Description	Panel Mount, molded to length	Panel Mount, molded to length	Panel Mount, molded to length	Panel Mount, molded to length
Page	153	154	155	156

**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	158	158	159	164-166	159

**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 = . . . 4 3 5 1  
16 = 1 5 3 4 . . .

*"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.

**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.

## Two Types of Barrier Strips and a Line of Sockets:

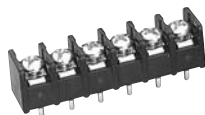
### Tri-Barrier

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



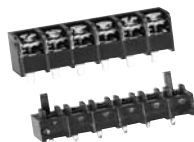
### Dual-Barrier

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

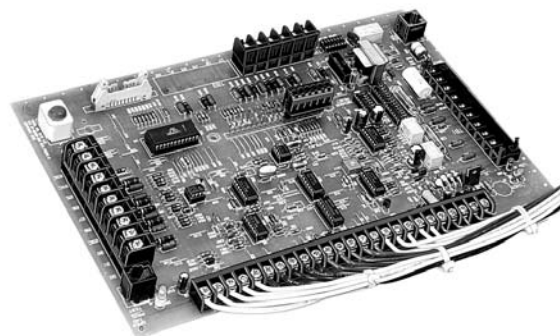
Tyco Electronics Corporation has been known for its plating, especially on the tin-plated components, and has maintained stringent plating specifications to provide a better performing, more reliable product. (Terminals meet or exceed Tyco Electronics Specification 109-11-1.)

### 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.



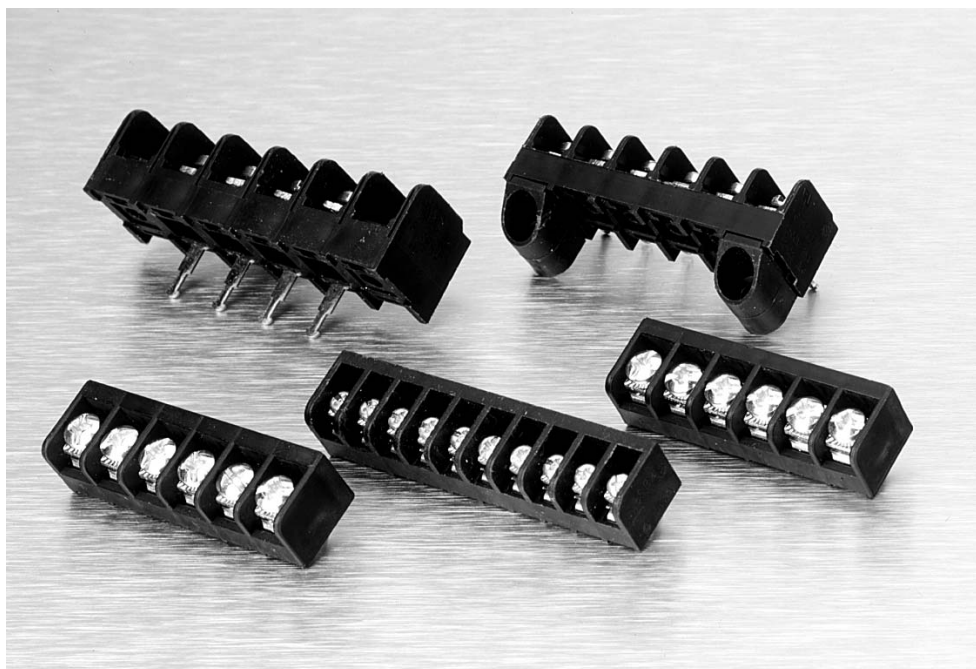
**Product Facts**

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

**Design Advantages**

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

**Tri-Barrier Strips**



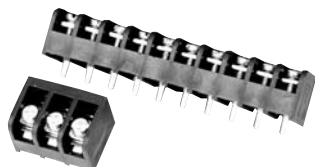
Tri-Barrier blocks help contain stray or frayed wire ends. This helps prevent electrical shorts — not only between positions on the same block, but also between other components immediately adjacent to the block. With today's high-density PCB designs, this has become an increasingly important feature.

**Connector Index**

0.250"	Pitch, Series #3	.....118-121
0.325"	Pitch, Series #4	.....122-125
0.375"	Pitch, Series #6	.....126-132
0.375"	Pitch, Series BC6, Panel Mount.....	130,131
0.375"	Pitch, Series MB6, Double Level	.....132
0.4375"	Pitch, Series #8	.....133-135

**.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**

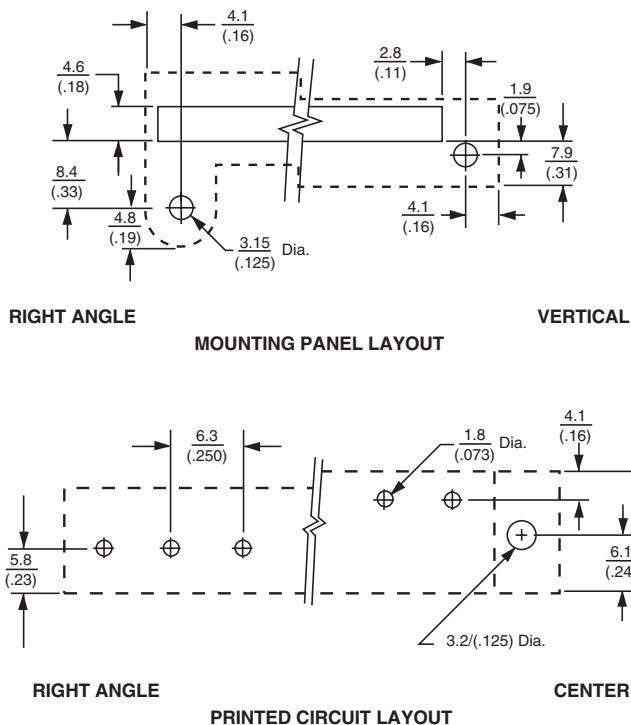
**Operating Temperature Range**—  
105°C [221°F] max.

**Circuit Identification**—See page 175

**Hardware Options**

**TC3**—Safety cover, see page 170

**J3**—Jumper, see page 173





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

**Ordering Information**

**3 PCV - 04 - 006**

**A B C D**

**A Thread Size Spacing**

3 = #3-48 on .250" Centers

**C No. of Circuits (Not Positions)**

02 through 32

**B Terminal Style**

**PCV** = Printed Circuit Pin, Vertical

**PCR** = Printed Circuit, Right Angle

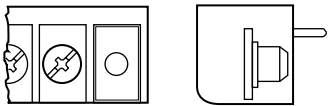
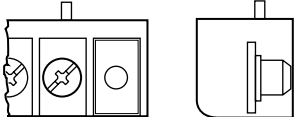

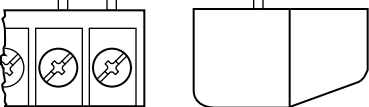
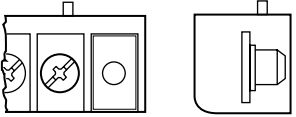
**STV** = Solder Turret, Vertical

**STR** = Solder Turret, Right Angle

**WWV** = Solderless Wire Wrap, Vertical

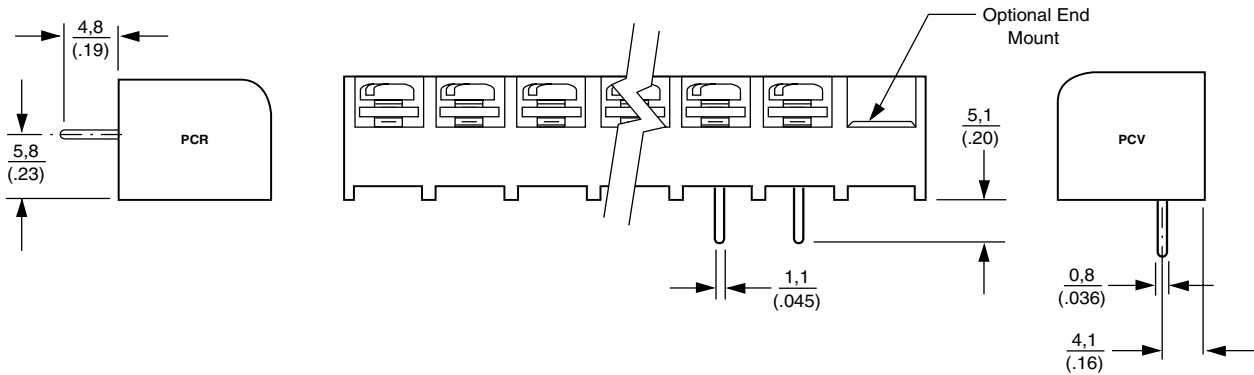
**D Modifier**

Use table below.

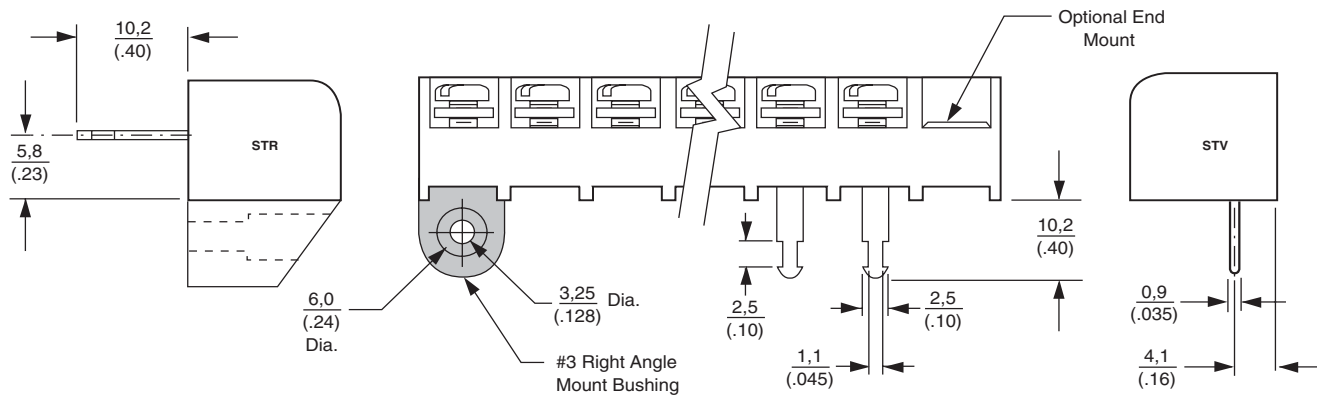
Terminal Style	Modifier Phil-slot Head	Screw Style	Mounting Construction
PCV	006	Wire Clamp	No Mounting
	008	Wire Clamp	
PCR	006	Wire Clamp	No Mounting
	008	Wire Clamp	
STV WWV	006	Wire Clamp	
	008	Wire Clamp	No Mounting
STR	006	Wire Clamp	
	008	Wire Clamp	

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

**Printed Circuit Pin**

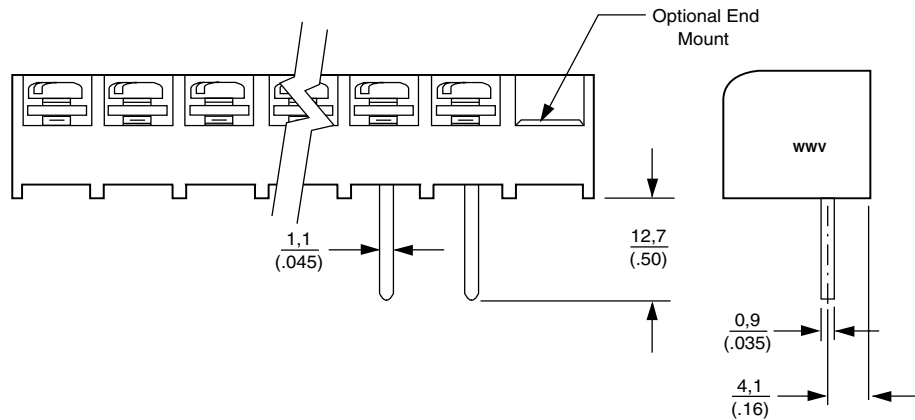


**Solder Turret**

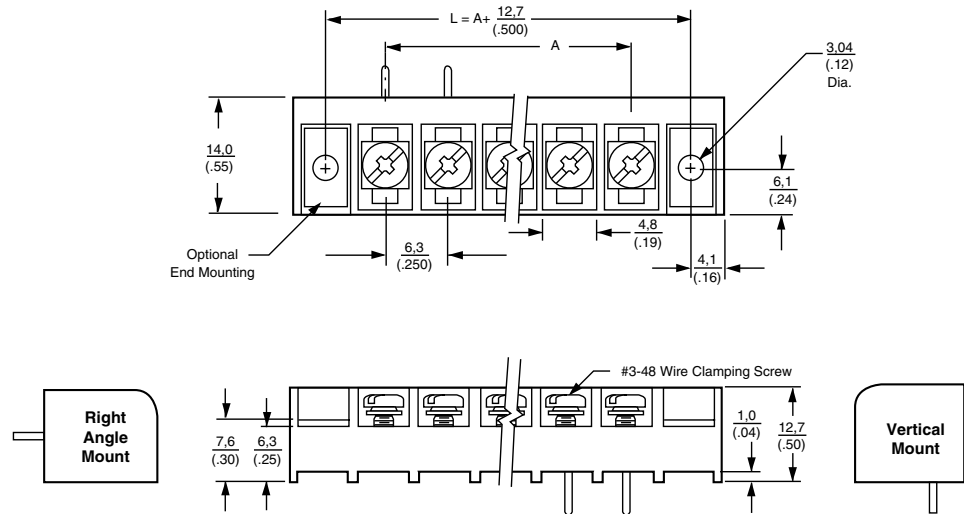


**Wire Wrap**

#3WWR not available



**.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]

**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 175

**Hardware Options**

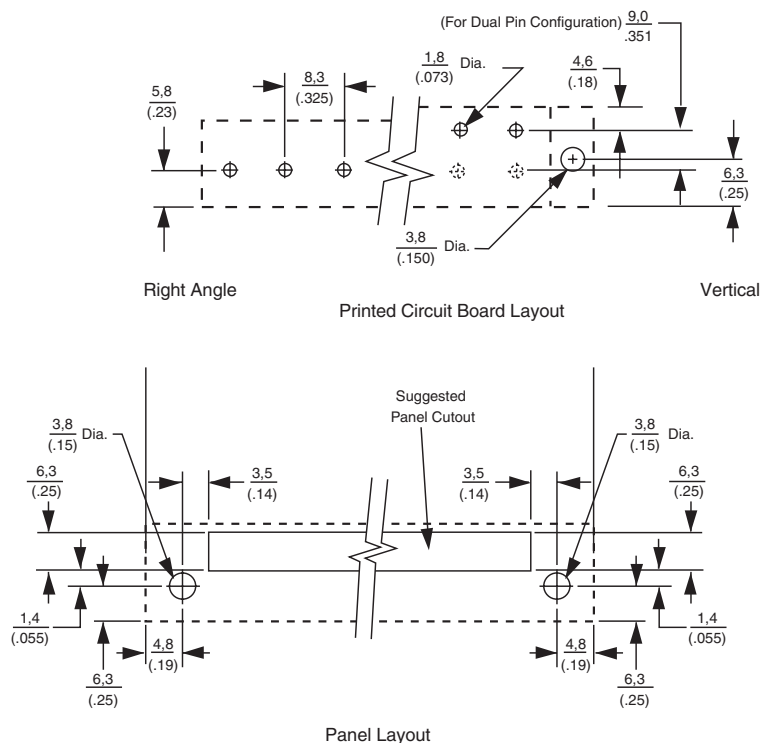
**TC4**—Safety cover, see page 170

**8-1437649-0**—Wire clamp screw, see  
page 174

**8-1437649-0**—Binding head screw,  
see page 174

**J4**—Jumper, see page 173

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



**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

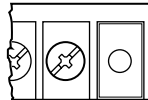
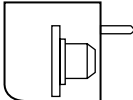
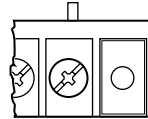
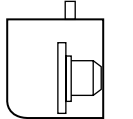
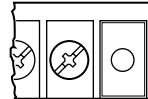
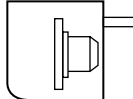
**PCR** = Printed Circuit, Right Angle

**PCV** = Printed Circuit Pin, Vertical

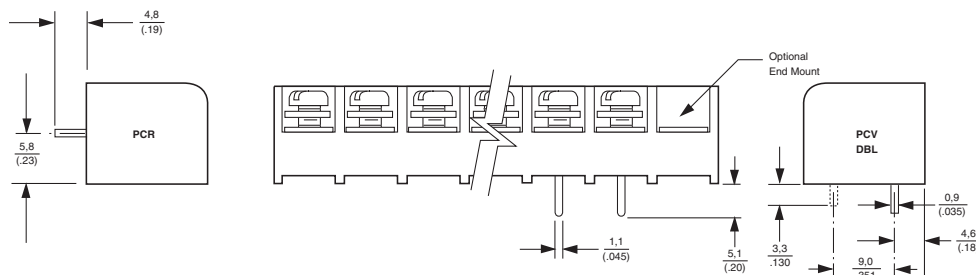
**WWV** = Solderless Wire Wrap, Vertical

**D Modifiers**

Use table below.

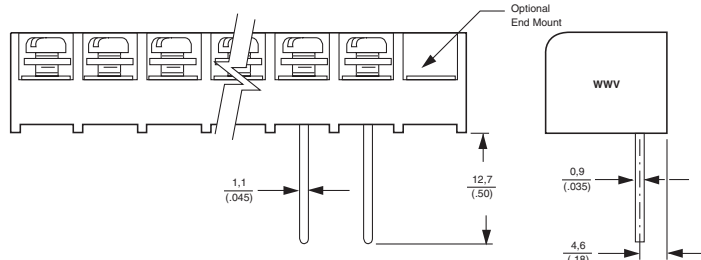
Terminal Style	Modifier Phil-slot Head	Screw Style	Mounting Construction
DBL	006	Wire Clamp	No Mounting
PCV	006	Wire Clamp	No Mounting
	008	Wire Clamp	 
PCR	006	Wire Clamp	No Mounting
	008	Wire Clamp	 
WWV	006	Wire Clamp	 
	008	Wire Clamp	No Mounting

**Printed Circuit Pin**

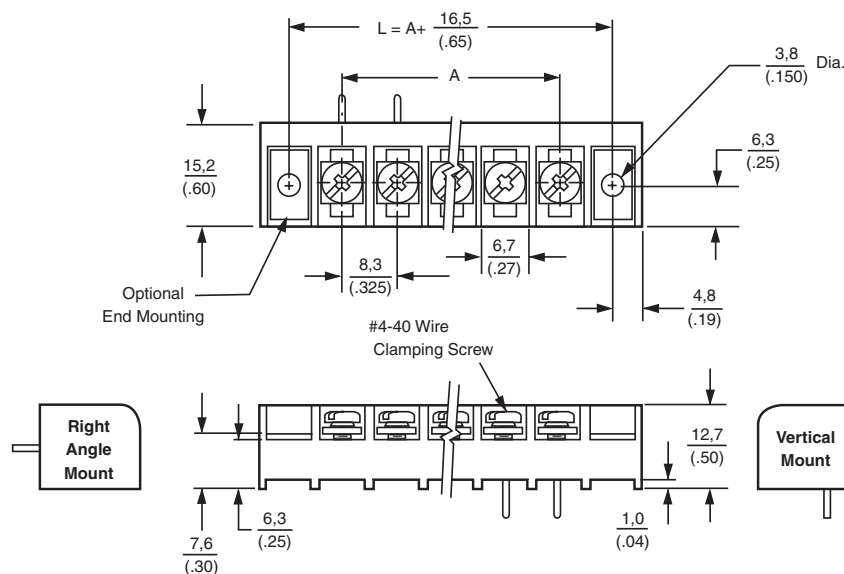


**Wire Wrap**

#4 WWR Not available



**0.325" Pitch, Series #4, Tri-Barrier**



No. of Positions	Dim. A
2	(0.325) 8,2
3	(0.65) 16,5
4	(0.97) 24,7
5	(1.30) 33,0
6	(1.62) 41,3
7	(1.95) 49,5
8	(2.27) 57,8
9	(2.60) 66,0
10	(2.92) 74,3
11	(3.25) 82,5
12	(3.57) 90,8
13	(3.90) 99,1
14	(4.22) 107,3
15	(4.55) 115,6
16	(4.87) 123,8

No. of Positions	Dim. A
17	(5.20) 132,1
18	(5.52) 140,3
19	(5.85) 148,6
20	(6.17) 156,8
21	(6.50) 165,1
22	(6.82) 173,3
23	(7.15) 181,6
24	(7.47) 189,9
25	(7.80) 198,1
26	(8.13) 206,4
27	(8.45) 214,6
28	(8.78) 222,9
29	(9.10) 231,1
30	(9.43) 239,4

### Product Facts

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

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



### 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

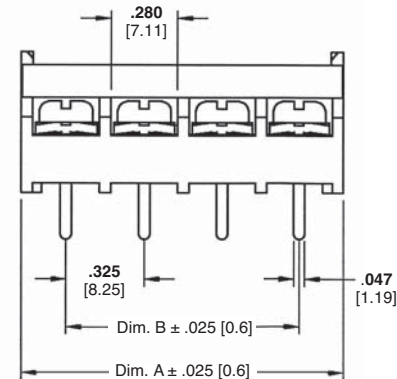
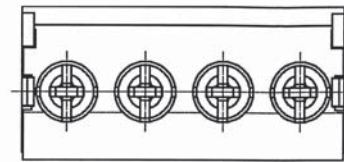
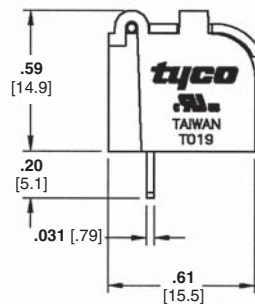
**Voltage Rating**—300 VAC/DC

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

### Environmental Properties

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

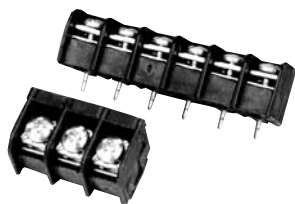
**Circuit Identification**—See page 175



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.

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



**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" [.953]

**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 175

**Hardware Options**

**QC6**—Quick connects, see page 172

**ST80**—Single sided solder tabs, see page 172

**J6**—Jumpers, see page 173

**TC6**—Safety covers, see page 170

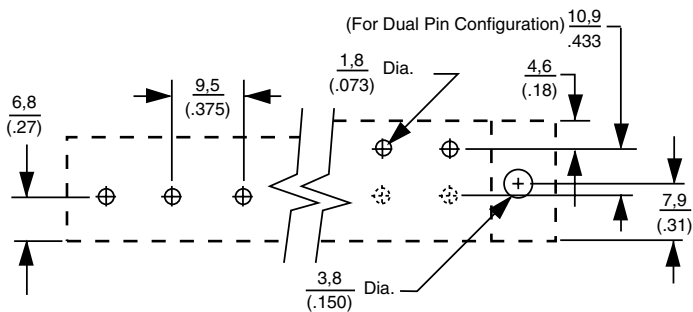
**1437651-2**—Wire clamp screw, steel, see page 174

**1437651-5**—Wire clamp screw, brass, see page 174

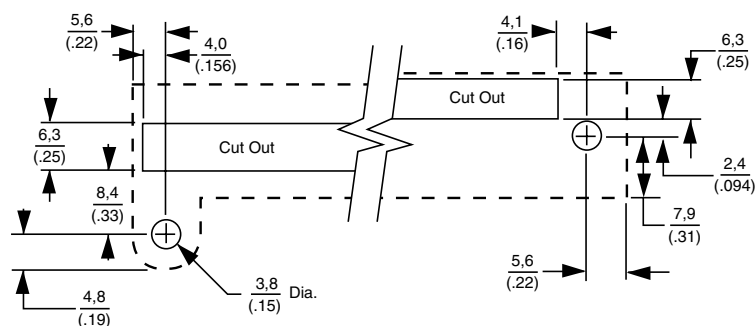
**1437651-8**—Binding head screw, steel, see page 174

**L03**—Binding head screw, stainless, see page 174

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



Right Angle  
Printed Circuit Board Layout



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

**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

**STR** = Solder Turret, Right Angle

**STV** = Solder Turret, Vertical

**TBV** = Non Feed Thru

**WWR** = Solderless Wire Wrap, Right Angle

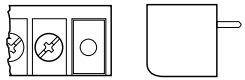

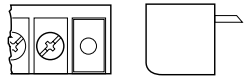
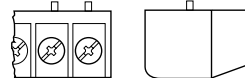

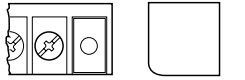
**WWV** = Solderless Wire Wrap, Vertical

**D Modifiers**

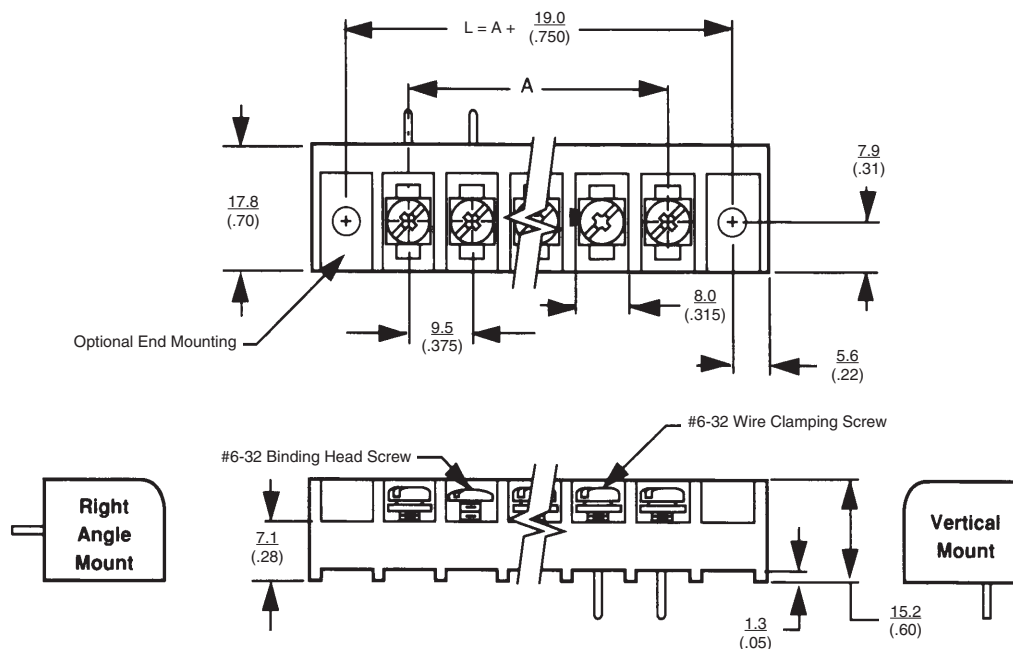
Use table below.

-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	

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

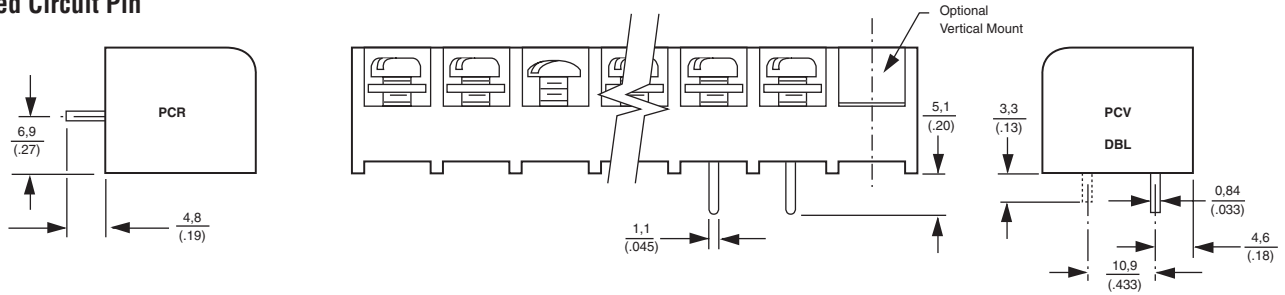


No. of Positions	Dim. A
2	<b>0.375</b> [9.5]
3	<b>0.75</b> [19.1]
4	<b>1.12</b> [28.6]
5	<b>1.50</b> [38.1]
6	<b>1.87</b> [47.6]
7	<b>2.25</b> [57.1]
8	<b>2.62</b> [66.7]
9	<b>3.00</b> [76.2]
10	<b>3.37</b> [85.7]
11	<b>3.75</b> [95.2]
12	<b>4.12</b> [104.8]
13	<b>4.50</b> [114.3]
14	<b>4.87</b> [123.8]
15	<b>5.25</b> [133.3]
16	<b>5.62</b> [142.9]

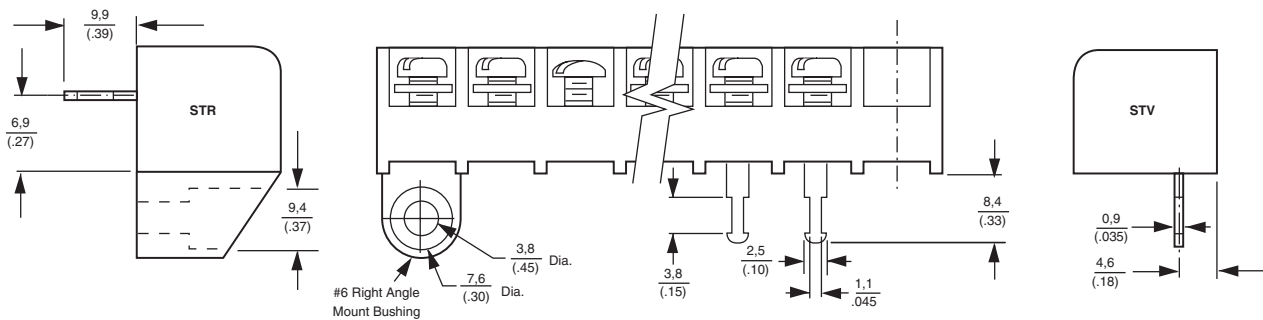
No. of Positions	Dim. A
17	<b>6.00</b> [152.4]
18	<b>6.37</b> [161.9]
19	<b>6.75</b> [171.4]
20	<b>7.12</b> [181.9]
21	<b>7.50</b> [190.5]
22	<b>7.87</b> [200.0]
23	<b>8.25</b> [209.5]
24	<b>8.62</b> [219.1]
25	<b>9.00</b> [228.6]
26	<b>9.38</b> [238.1]
27	<b>9.75</b> [247.7]
28	<b>10.13</b> [257.2]
29	<b>10.50</b> [266.7]
30	<b>10.88</b> [276.2]

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

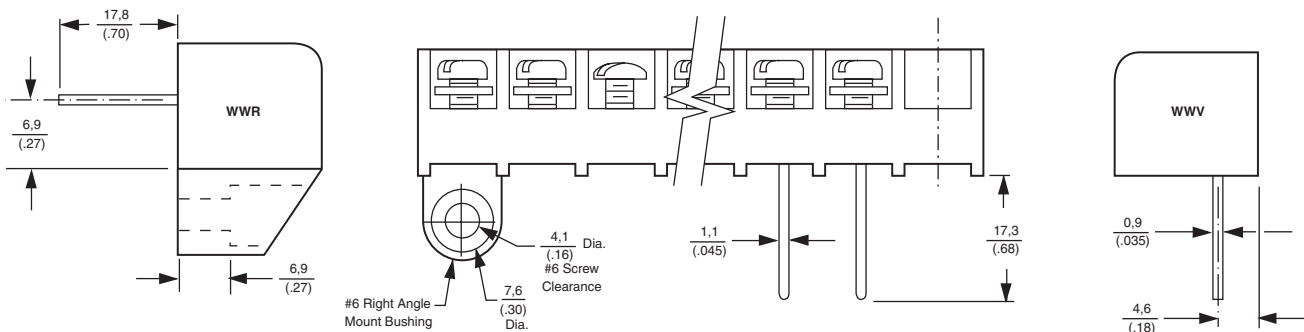
**Printed Circuit Pin**



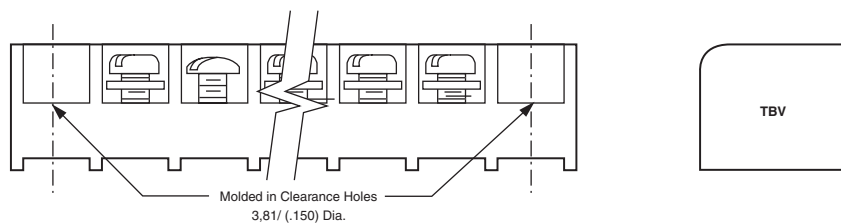
**Solder Turret**



**Wire Wrap**



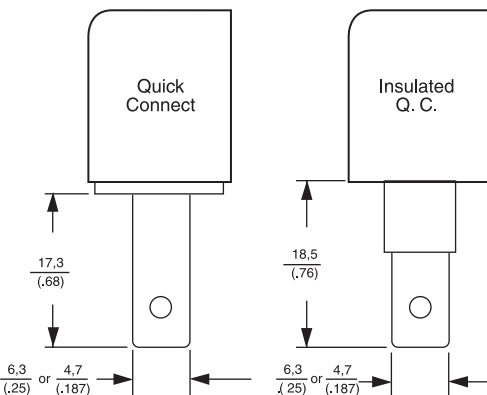
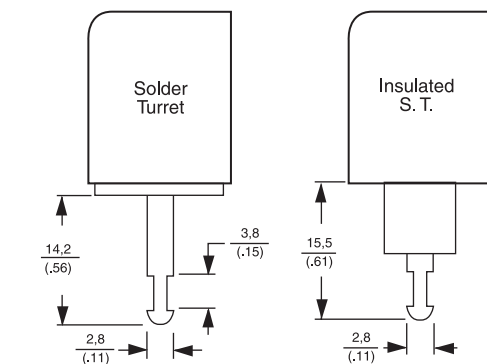
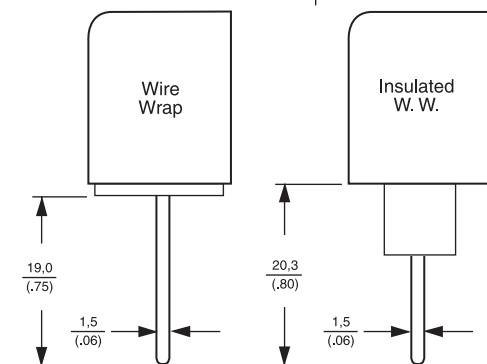
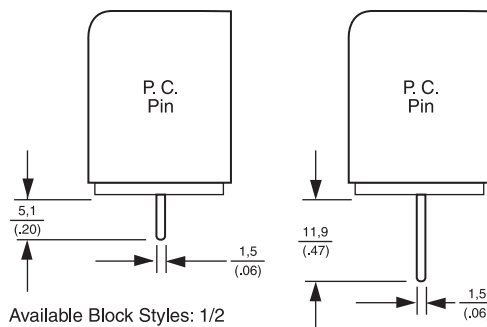
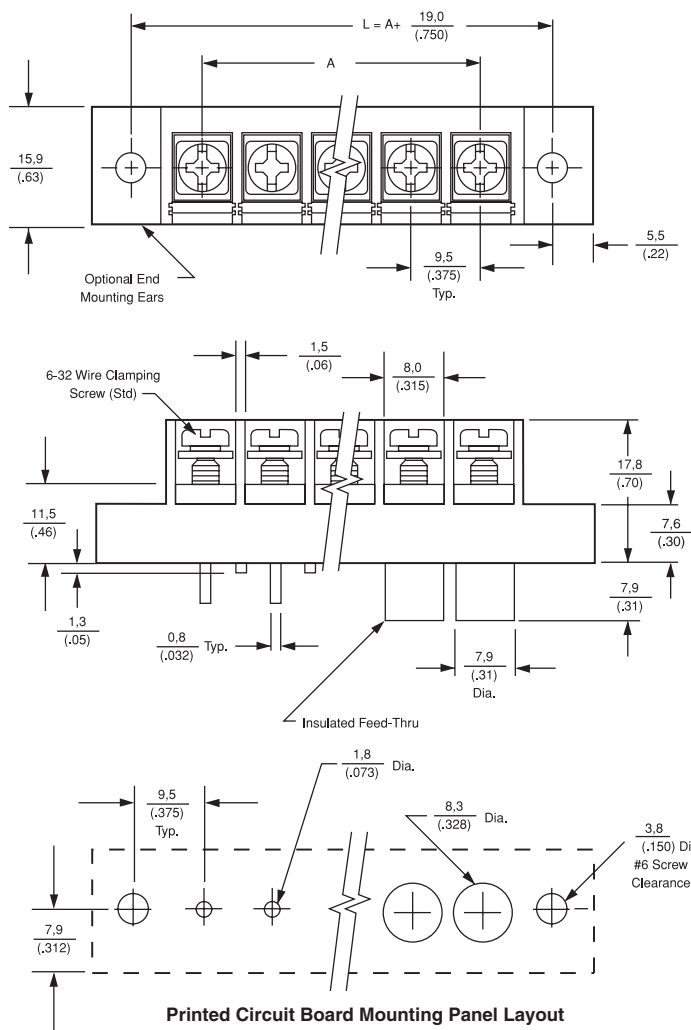
**Non-Feed Thru**



### 0.375" [9.53] Pitch, Series BC6

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

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



0.375" [9.53] Pitch, Series BC6

Ordering Information



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 175

Hardware Options

**TC2**—Safety covers, see page 170

**QC2x**—.250 Quick connects, see page 172

**QC4x**—.187 Quick connects, see page 172

**ST80**—Single sided solder tabs, see page 172

**1437661-7**—Retaining clip, Insulating turret, see page 174

**J6**—Jumpers, see page 173

**1437651-2**—Wire clamp screw, steel, see page 174

**1437651-5**—Wire clamp screw, brass, see page 174

**1437651-8**—Binding head screw, steel, see page 174

**L03**—Binding head screw, stainless, see page 174

**BC6 - P 1 08 - 08**  
A B C D

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

**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

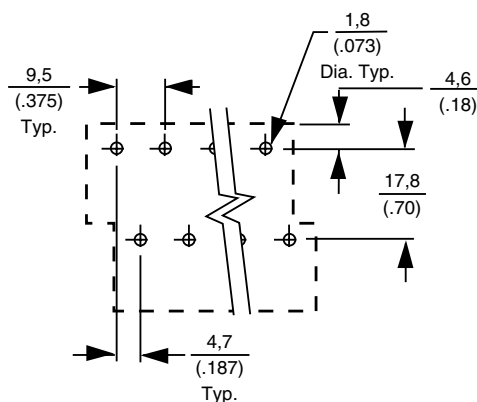
**Wire Range**—12-22 AWG

**Environmental Properties**

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

**Hardware Options**

**1437663-4**—Wire clamp screw, see page 174



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

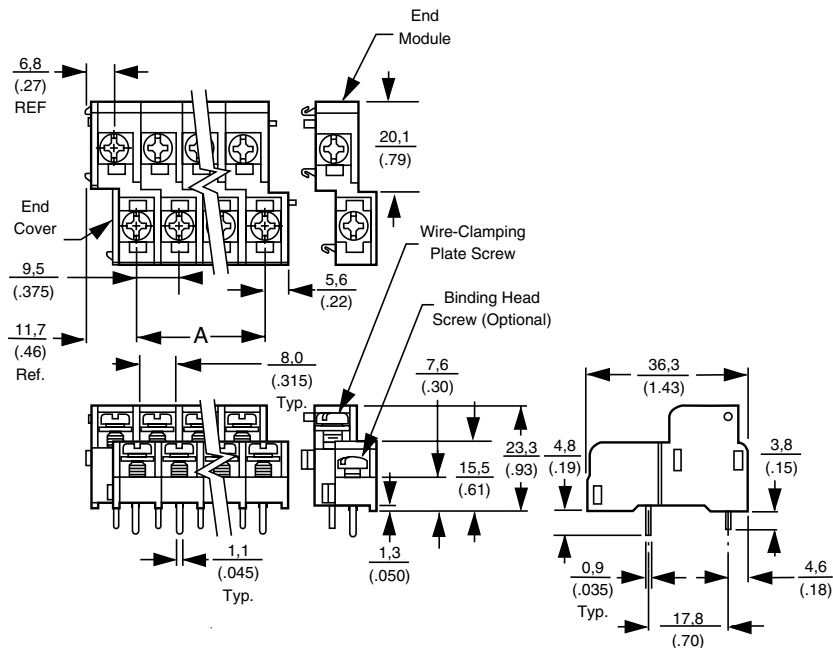
**C**

**Screw Hardware**

08=Steel wire clamp combo head screws

**D**

02 through 40 available in multiples of 2



No. of Positions	Dim. A
4	0.375 [9.5]
6	0.750 [19.1]
8	1.125 [28.6]
10	1.500 [38.1]
12	1.875 [47.6]
14	2.250 [57.1]
16	2.625 [66.7]
18	3.000 [76.2]
20	3.375 [85.7]
22	3.750 [95.2]

No. of Positions	Dim. A
24	4.125 [104.8]
26	4.500 [114.3]
28	4.875 [123.8]
30	5.250 [133.3]
32	5.625 [142.9]
34	6.000 [152.4]
36	6.375 [161.9]
38	6.750 [171.4]
*40	7.125 [181.0]

\* Longer lengths available.  
Please consult Technical Support.

## #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)**—  
.4375" [11.1]

**Recommended PCB Hole Dia.**—  
1.8mm [.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 175

### Hardware Options

**TC8**—Safety covers, see page 170

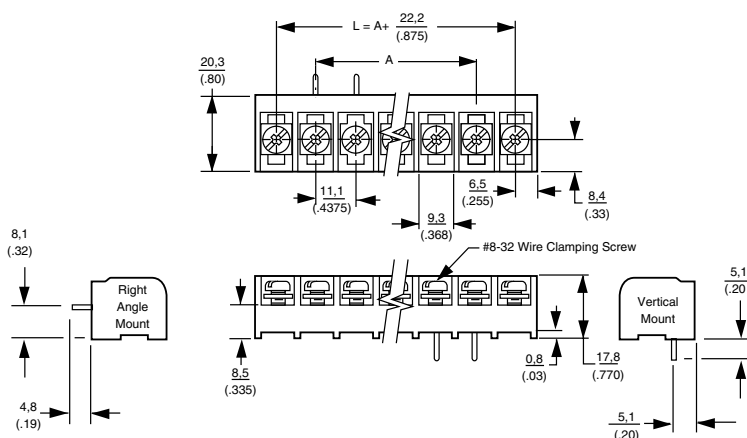
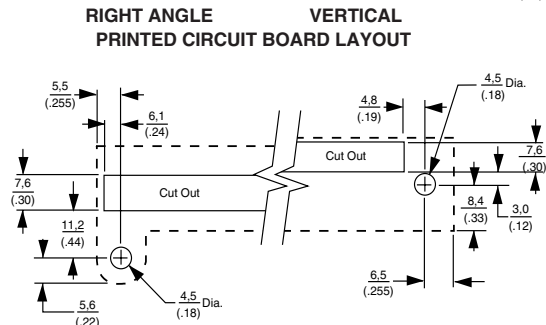
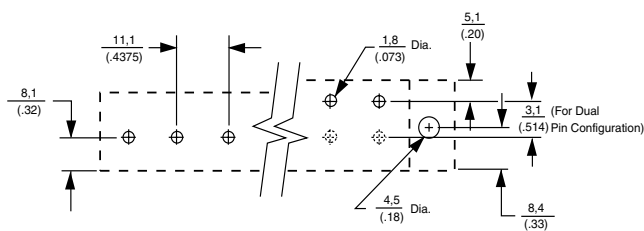
**QC8**—Quick connects, see page 172

**J8**—Jumpers, see page 173

**1437425-1**—Wire clamp screw,  
see page 174

**1437429-1**—Binding head screw,  
steel, see page 174

## 0.4375" [11.1] Pitch, Series #8



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]

**0.4375" [11.1] Pitch, Series #8** (Continued)

**Ordering Information**

**8 PCV-04-006**

**A B C D**

**A Screw Size Spacing**

8 = #8-32 on .4375" Centers

**C No. of Circuits** (Not positions)

02 through 26

**B 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

**D Modifiers**





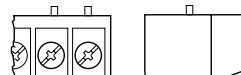


Use table below.

-002=-006 except brass screw

-003=-007 except brass screw



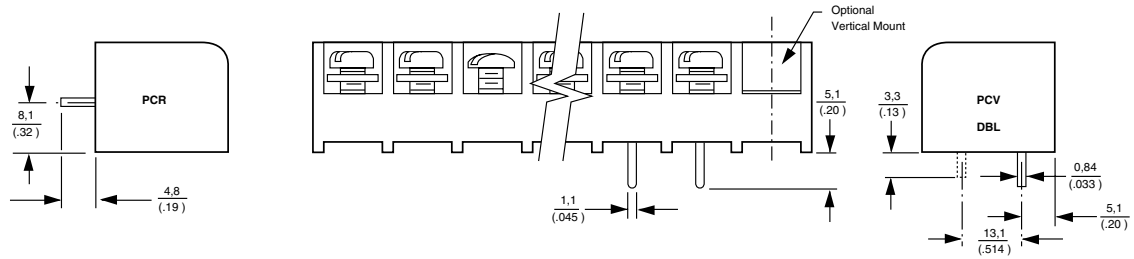
Phil-slot Head

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	
	007	Binding Head	
	008	Wire Clamp	
	009	Binding Head	
QCV	006	Wire Clamp	
STV			
WWV			
	008	Wire Clamp	No Mounting
QCR	006	Wire Clamp	
STR			
WWR			
	008	Wire Clamp	
TBV	006	Wire Clamp	

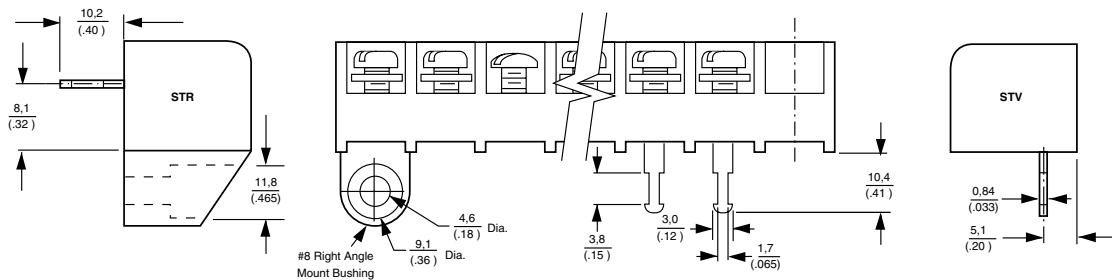


**0.4375" [11.1] Pitch, Series #8 (Continued)**

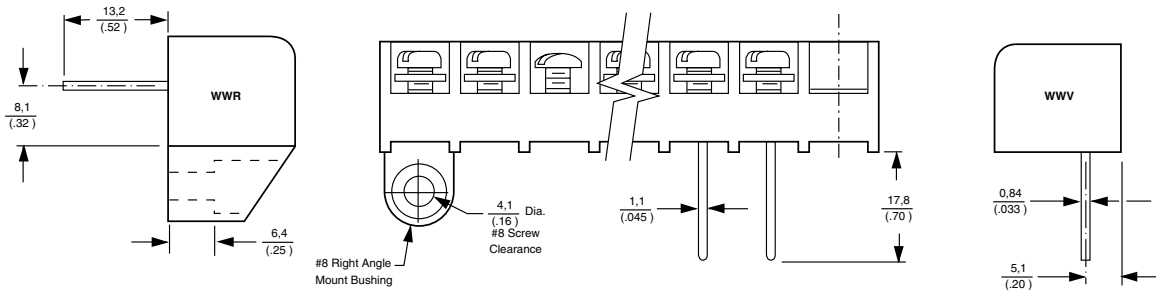
**Printed Circuit Pin**



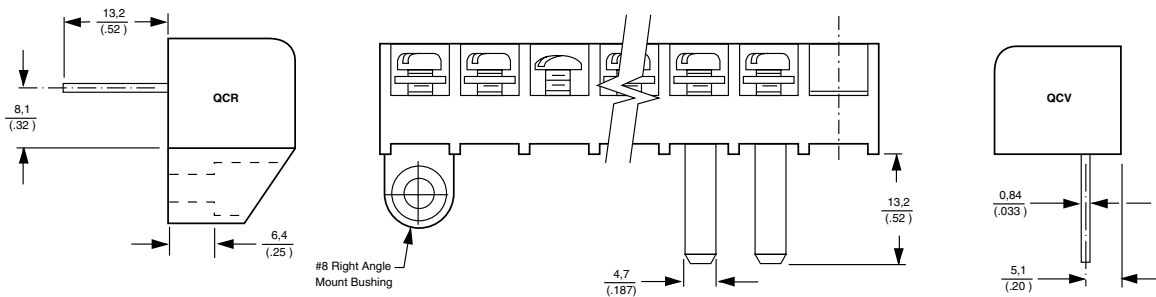
**Solder Turret**



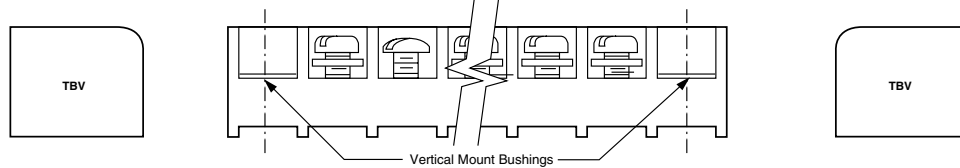
**Wire Wrap**



**Quick Connect**



**Non-Feed Thru**



**Product Facts**

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

**Design Advantages**

- Fast wiring – backed-out wire-ready screws
- Interrupted thread designed to prevent screws from falling out
- Standoffs allow flux and solvents to drain during cleaning
- Molded-to-length or cut-to-length versions available

**Dual-Barrier Strips**



The Dual-Barrier design provides a more cost-effective solution than the Tri-Barrier Strips while still supplying many of the design advantages.

**Connector Index**

**Single Row**

0.250"	Pitch, Series 1546657 .....	138, 139
0.325"	Pitch, Series 4DB .....	140-141
0.325"	Pitch, High Rise .....	142-143
0.325"	Pitch, Series SSB3.....	164-166
0.375"	Pitch, Series JC6 .....	144, 145
0.375"	Pitch, Series NC6, Low Profile .....	146, 147
0.4375"	Pitch, Series SSB7.....	148-151

**Double Row, Panel Mount**

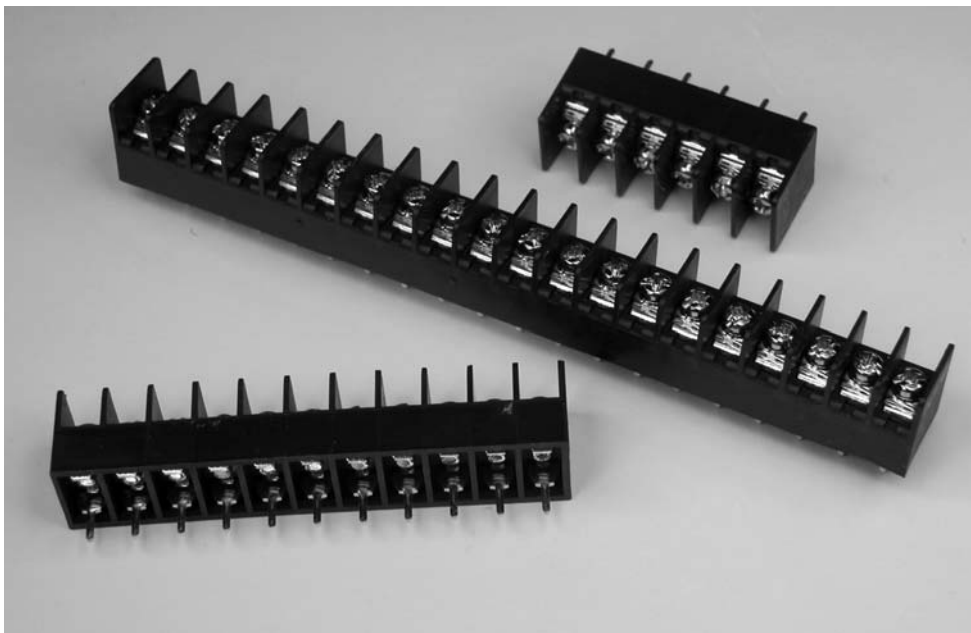
0.374"	Pitch .....	153
0.433"	Pitch .....	154
0.437"	Pitch .....	155
0.563"	Pitch .....	156

**Engineering Notes**

**High-Density, Dual-Barrier Strips, .250" [6.35] Centerline**

**Product Facts**

- High density accommodates today's compact PCB layouts



**Material & Finish**

**Insulator Body**—UL 94V-0 thermoplastic, black

**Terminal**—Brass, tin-plated

**Screw**—M3, Steel, nickel-plated

**Mechanical Properties**

**Recommended Tightening**

**Torque**—10 in-lbs

Combination drive screws with #2 Phillips recess and standard slot

**Electrical Properties**

**Current Rating**—10 A

**Voltage Rating**—300 VAC/DC per UL and CSA standards

**Wire Range**—16-30 AWG Copper, Solid or Stranded

**Environmental Properties**

**Operating Temperature**—40°F to +221°F [-40°C to +115°C]

**Circuit Identification**—See page 175

**Hardware Options**

**TC8**—Safety cover, see page 170

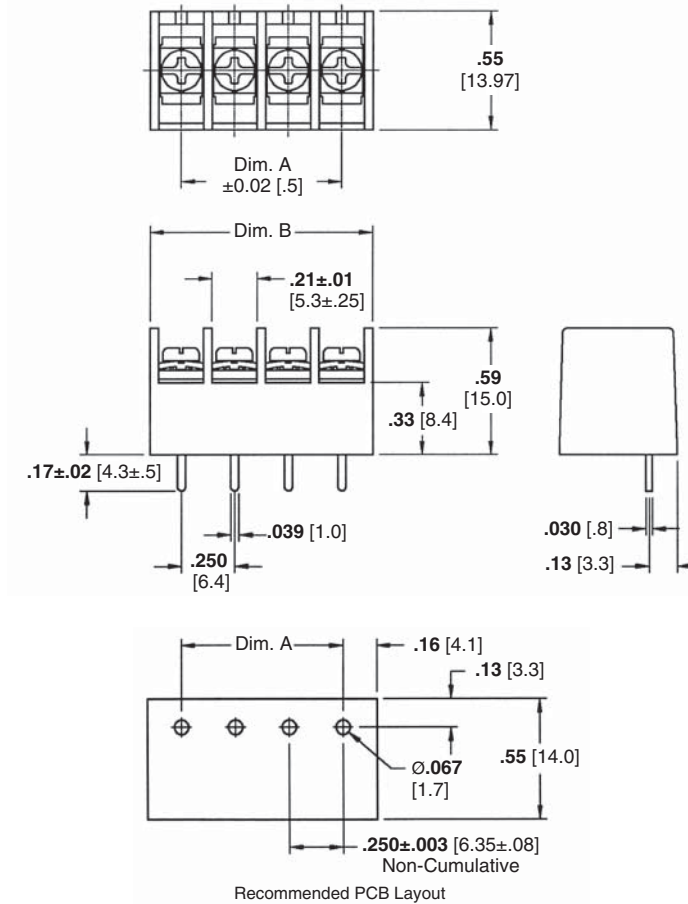
**QC8**—Quick connects, see page 172

**J8**—Jumpers, see page 173

**1437425-1**—Wire clamp screw, see page 174

**1437429-1**—Binding head screw, steel, see page 174

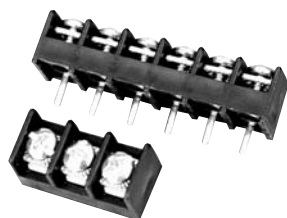
**High-Density, Dual-Barrier Strips, .250" [6.35] Centerline (Continued)**



No. of Positions	Dimension		Part Number
	A	B	
2	0.250 [6.35]	0.54 [13.7]	1546657-2
3	0.500 [12.7]	0.79 [20.1]	1546657-3
4	0.750 [19.1]	1.04 [26.4]	1546657-4
5	1.000 [25.4]	1.29 [32.8]	1546657-5
6	1.250 [31.8]	1.54 [39.1]	1546657-6
7	1.500 [38.1]	1.79 [45.5]	1546657-7
8	1.750 [44.4]	2.04 [51.8]	1546657-8
9	2.000 [50.8]	2.29 [58.2]	1546657-9
10	2.250 [57.2]	2.54 [64.5]	1-1546657-0
11	2.500 [63.5]	2.79 [70.9]	1-1546657-1
12	2.750 [69.9]	3.04 [77.2]	1-1546657-2
13	3.000 [76.2]	3.29 [83.6]	1-1546657-3
14	3.250 [82.6]	3.54 [90.0]	1-1546657-4
15	3.500 [88.9]	3.79 [96.3]	1-1546657-5

No. of Positions	Dimension		Part Number
	A	B	
16	3.750 [95.3]	4.04 [102.6]	1-1546657-6
17	4.000 [101.6]	4.29 [108.9]	1-1546657-7
18	4.250 [107.9]	4.54 [115.3]	1-1546657-8
19	4.500 [114.3]	4.79 [121.7]	1-1546657-9
20	4.750 [120.6]	5.04 [128.0]	2-1546657-0
21	5.000 [127.0]	5.29 [134.4]	2-1546657-1
22	5.250 [133.3]	5.54 [140.7]	2-1546657-2
23	5.500 [139.7]	5.79 [147.1]	2-1546657-3
24	5.750 [146.1]	6.04 [153.4]	2-1546657-4
25	6.000 [152.4]	6.29 [159.8]	2-1546657-5
26	6.250 [158.8]	6.54 [166.1]	2-1546657-6
27	6.500 [165.1]	6.79 [172.5]	2-1546657-7
28	6.750 [171.5]	7.04 [178.8]	2-1546657-8
29	7.000 [177.8]	7.29 [185.2]	2-1546657-9
30	7.250 [184.2]	7.54 [191.5]	3-1546657-0

**4DB-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. Wire clamping screws and binding head screws available.

**Mechanical Properties**

**Pitch (Terminal Spacing)**—0.325" [9.525]

**Recommended PCB Hole Dia.**—1.7mm [0.07"]

**Electrical Properties**

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

**Wire Range**—12-22 AWG

**Environmental Properties**

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

**Circuit Identification**—See page 175

**Hardware Options**

**QC4**—Quick connects, see page 172

**J4**—Jumpers, see page 173

**9-1437667-9**—Wire clamp screw, see page 174

**Ordering Information**

**4DB - P 1 08 - 06**

**A B C D E**

**A Series**

4DB = Dual-Barrier, 0.325" Centers

**B Terminal Style**

P = Printed Circuit Pin

W = Wire Wrap

R = Right Angle

**C Block Style**

1 = Flat, all positions filled

2 = Flat, end mounting holes

**D Screw Type**

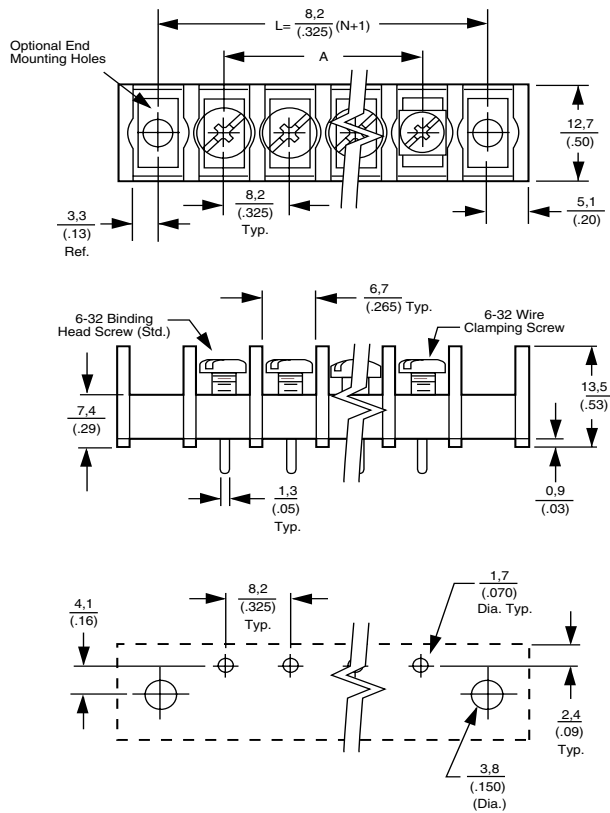
07 = Steel binding combo head screws

08 = Steel wire clamp combo head screws

**E No. of Circuits (Not Positions)**

02 through 30

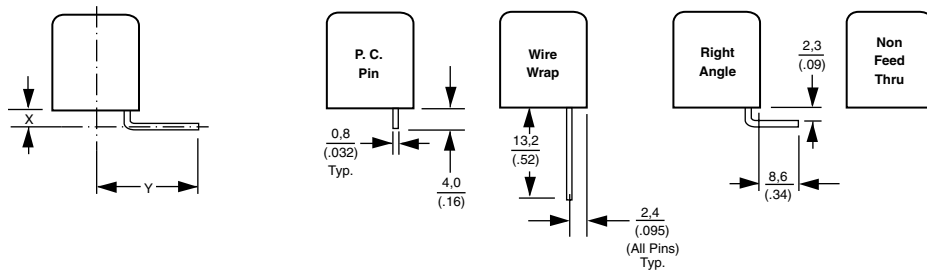
**0.325" [8.26] Pitch, Series 4DB (Continued)**



PRINTED CIRCUIT BOARD LAYOUT

**Bend Options:**

A variety of bend options are available. Please consult Technical Support for details.

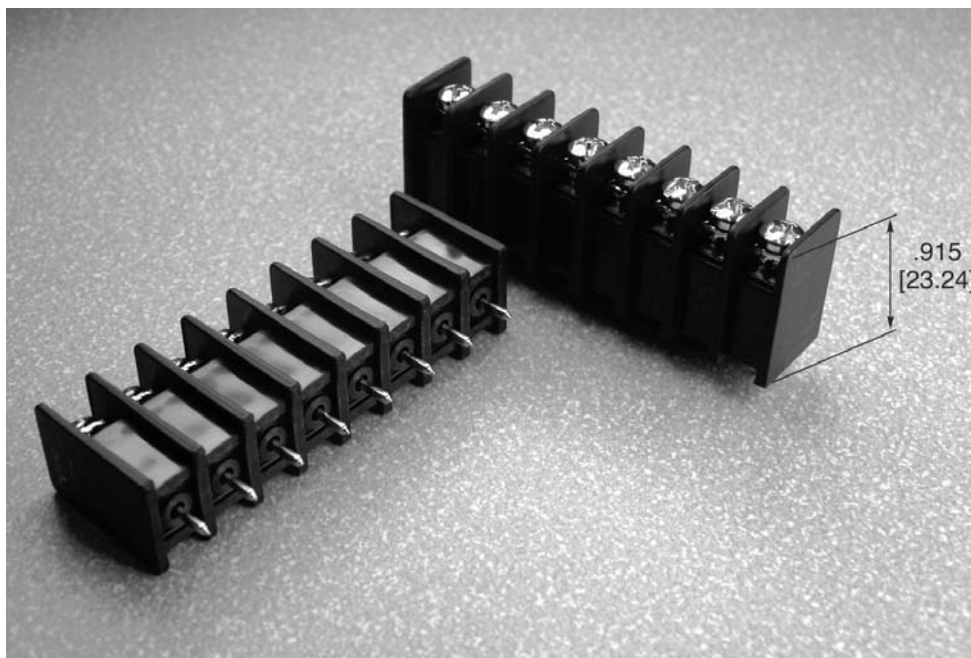


No. of Positions	Dim. A	No. of Positions	Dim. A
2	0.325 [8.2]	17	5.200 [132.1]
3	0.650 [16.5]	18	5.525 [140.3]
4	0.975 [24.8]	19	5.850 [148.6]
5	1.300 [33.0]	20	6.175 [156.8]
6	1.625 [41.3]	21	6.500 [165.1]
7	1.950 [49.5]	22	6.825 [173.3]
8	2.275 [57.8]	23	7.150 [181.6]
9	2.600 [66.0]	24	7.475 [190.0]
10	2.925 [74.3]	25	7.800 [198.1]
11	3.250 [82.5]	26	8.125 [206.4]
12	3.575 [90.8]	27	8.450 [214.6]
13	3.900 [99.1]	28	8.775 [222.8]
14	4.225 [107.3]	29	9.100 [231.1]
15	4.550 [115.6]	30	9.425 [239.4]
16	4.875 [123.8]		

**Product Facts**

- High rise profile provides wire entry access on congested PC boards
- Space saving high rise design allows for dual-level wire entry when used with 4DB series barrier strips
- Captive screws provided in wire-ready position

**High Rise Dual-Barrier Strips, .325 [8.26] Centerline**



**Material & Finish**

**Insulator Body**—UL 94V-0  
Thermoplastic, Black

**Terminal**—Brass, Tin plated

**Mechanical Properties**

**Recommended Tightening**

**Torque**—10 in-lbs

Combination drive screws with #2  
Phillips Recess and Standard Slot

**Electrical Properties**

**Current Rating**—10 A

**Voltage Rating**—20 A, 300 VAC/DC  
per UL and CSA standards

**Wire Range**—12-22 AWG Cu, Solid or  
Stranded

**Environmental Properties**

**Operating Temperature**—40°F to  
+221°F [-40°C to +105°C]

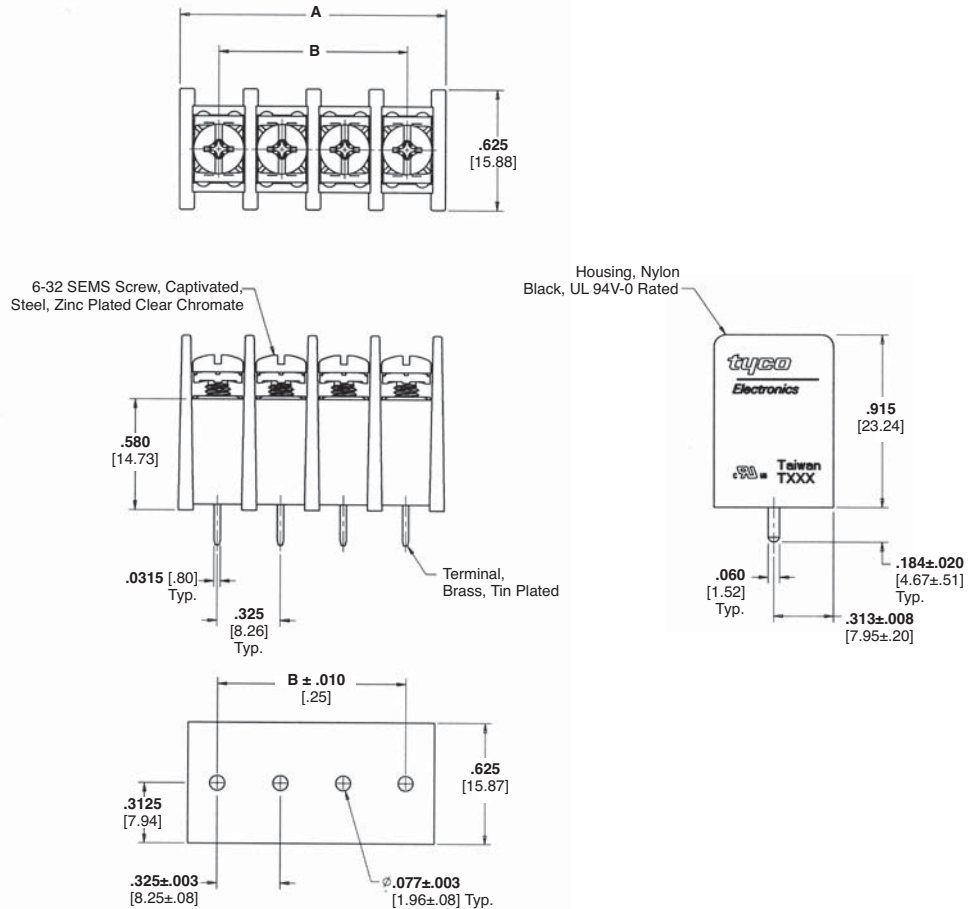
**Circuit Identification**—See page 175

**Hardware Options**

**J4**—Jumpers, see page 173



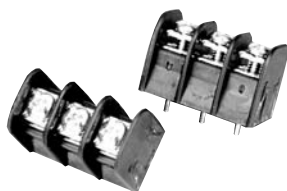
**High Rise Dual-Barrier Strips, .325 [8.26] Centerline** (Continued)



**Recommended PC Board Layout**

No of Positions	Dimension		Part Number
	A	B	
2	0.725 [18.42]	0.325 [8.26]	1546734-2
3	1.050 [26.67]	0.650 [16.51]	1546734-3
4	1.375 [34.93]	0.975 [24.77]	1546734-4
5	1.700 [43.18]	1.300 [33.02]	1546734-5
6	2.025 [51.44]	1.625 [41.28]	1546734-6
7	2.350 [59.69]	1.950 [49.53]	1546734-7
8	2.675 [67.95]	2.275 [57.79]	1546734-8
9	3.000 [76.20]	2.600 [66.04]	1546734-9
10	3.325 [84.46]	2.925 [74.29]	1-1546734-0
11	3.650 [92.71]	3.250 [82.55]	1-1546734-1
12	3.975 [100.97]	3.575 [90.81]	1-1546734-2
13	4.300 [109.22]	3.900 [99.06]	1-1546734-3
14	4.625 [117.48]	4.225 [107.32]	1-1546734-4
15	4.950 [125.73]	4.550 [115.57]	1-1546734-5
16	5.275 [133.99]	4.875 [123.83]	1-1546734-6

JC6-P107-03



**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" [9.525]

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

**Electrical Properties**

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

**Wire Range**—12-22 AWG

**Environmental Properties**

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

**Circuit Identification**—See page 175

**Hardware Options**

**TC9**—Safety cover, see page 170

**QC2x**—.250 Quick connects,  
see page 172

**QC4x**—.187 Quick connects,  
see page 172

**J6**—Jumpers, see page 173

**J7x**—Over-the-barrier jumpers,  
see page 173

**1437661-7**—Retaining clips,  
insulating turrets, see page 174

**1437651-2**—Wire clamp screw, steel,  
see page 174

**1437651-5**—Wire clamp screw, brass,  
see page 174

**1437651-8**—Binding head screw,  
steel, see page 174

**L03**—Binding head screw, stainless,  
see page 174

**Ordering Information**

**JC6 - P 1 07 - 06**

**A B C D E**

**A Series**

JC6 = Dual-Barrier, 0.375" Centers

**B Terminal Style**

C = Non Feed Thru

E = Extended Circ. Bd.

F = Quick Connect, .187

P = Printed Circuit Pin (available with 1, 2 Block Style)

T = Solder Turret

Q = Quick Connect, .250

W = Solderless Wrap

**C Block Style**

1 = Flat, all positions filled

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

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

4 = Insulating turret, all positions filled

5 = Flat, open end with mounting bracket

6 = Flat, open end, mounting bracket, insulating turret

7 = Closed bottom, end mounting ears. (for C style  
terminal only)

**D Screw Hardware**

05 = Brass binding combo head screws

06 = Brass wire-clamp combo head screws

07 = Steel binding combo head screws

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

**E No. of Circuits (Not positions)**

02 through 25

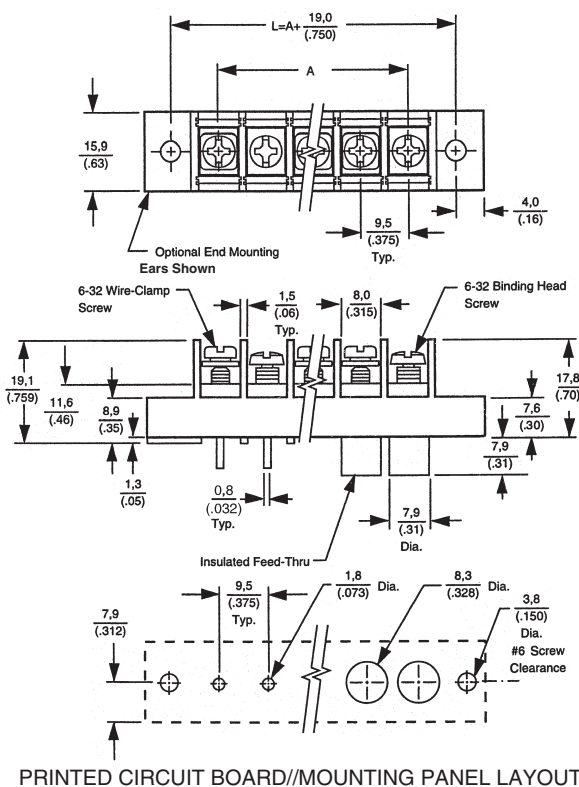
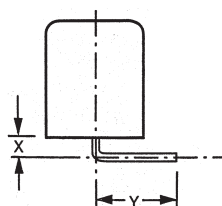
**0.375" [9.53] Pitch, Series JC6 (Continued)**

No. of Positions	Dim. A
2	0.325 [8.2]
2	0.375 [9.5]
3	0.750 [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]
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]
*17	6.000 [152.4]
*18	6.375 [161.9]

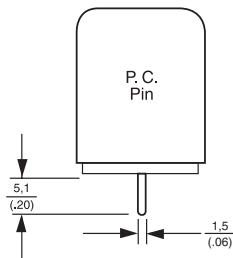
\* No mounting available

**Bend Options**

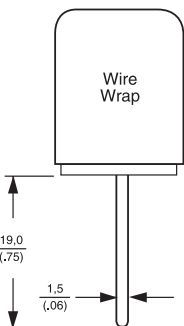
A variety of bend styles are available. Please consult Technical Support for details.



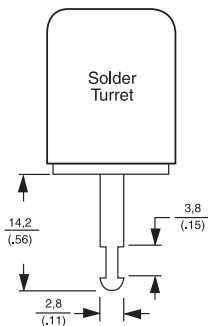
Available Block Styles: 1/2/5



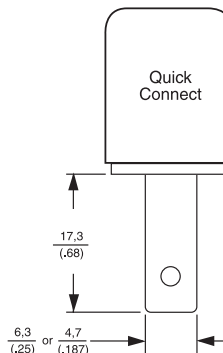
Available Block Styles: 2/3/4/5/6



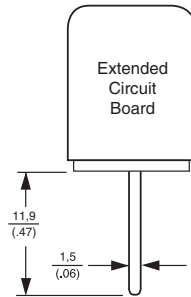
Available Block Styles: 2/3/4/5/6



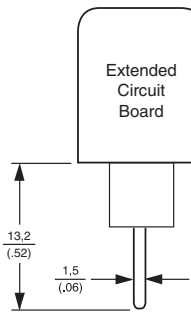
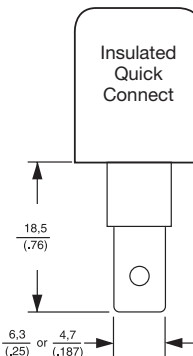
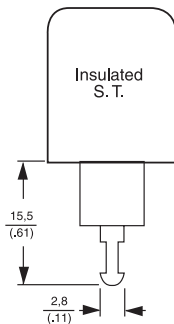
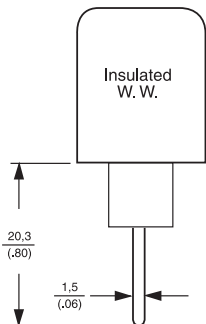
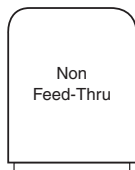
Available Block Styles: 2/3/4



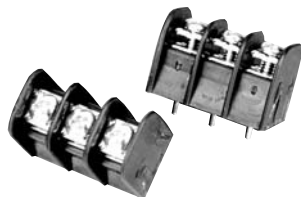
Available Block Styles: 1/2/3/4/5/6



Available Block Styles: 7



**NC6-P108-03**



**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. Wire clamping screws and binding head screws available.

**Mechanical Properties**

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

**Screw Size**—#6-32 steel

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

**Electrical Properties**

**Ratings**—UL Class C 20 Amps, 300V  
CSA Type C 20 Amps, 300V

**Wire Range**—12-22 AWG

**Environmental Properties**

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

**Circuit Identification**—See page 175

**Hardware Options**

**1437651-2**—Wire clamp screw, steel,  
see page 174

**1437651-5**—Wire clamp screw, brass,  
see page 174

**1437651-8**—Binding head screw,  
steel, see page 174

**L03**—Binding head screw, stainless,  
see page 174

**0.375" [9.53] Pitch, NC6 Series, Low Profile**

**Ordering Information**

**NC6 - P 1 08- 04**

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

**A Series**

NC6 = Dual-Barrier, 0.375" Centers,  
Low Profile

**B Terminal Style**

P = Printed Circuit Pin

**C Block Style**

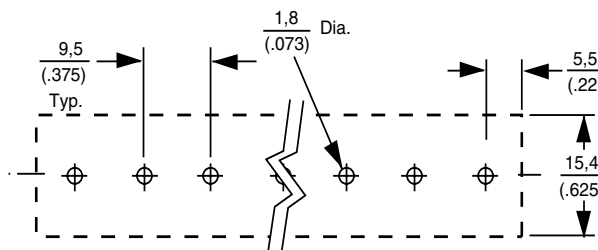
1 = Flat, all positions filled  
2 = End mounting holes provided

**D Screw Hardware**

05 = Brass binding combo head screws  
06 = Brass wire-clamp combo head screws  
07 = Steel binding combo head screws  
08 = Steel wire-clamp combo head screws

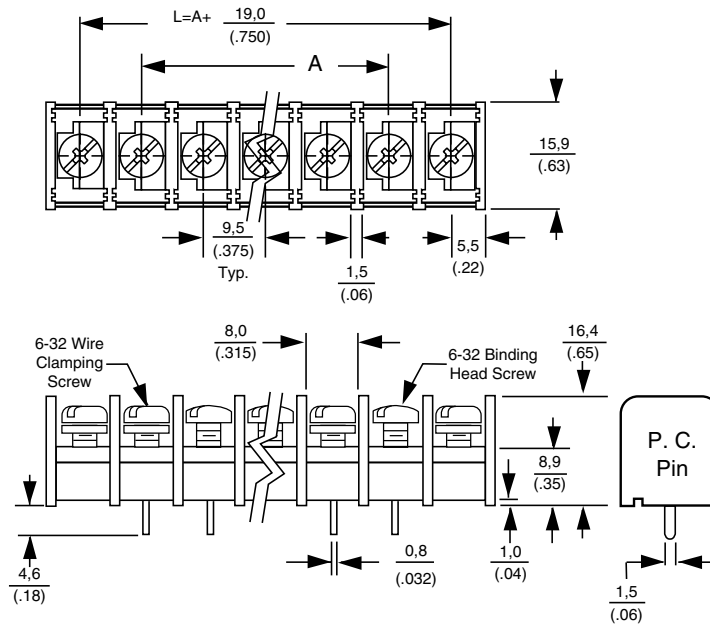
**E No. of Circuits (Not positions)**

02 through 30



**RECOMMENDED PCB HOLE LAYOUT**

**0.375" [9.53] Pitch, NC6 Series, Low Profile (Continued)**

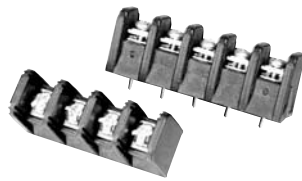


No. of Positions	Dim. A	No. of Positions	Dim. A
2	0.375 [9.5]	*17	6.000 [152.4]
3	0.750 [19.1]	*18	6.375 [161.9]
4	1.125 [28.6]	19	6.750 [161.9]
5	1.500 [38.1]	20	7.125 [171.4]
6	1.875 [47.6]	21	7.500 [181.0]
7	2.250 [57.1]	22	7.875 [190.5]
8	2.625 [66.7]	23	8.250 [200.0]
9	3.000 [76.2]	24	8.625 [209.6]
10	3.375 [85.7]	25	9.000 [228.6]
11	3.750 [95.2]	26	9.375 [238.1]
12	4.125 [104.8]	27	9.750 [247.6]
13	4.500 [114.3]	28	10.125 [257.2]
14	4.875 [123.8]	29	10.500 [266.7]
15	5.250 [133.3]	30	10.875 [276.2]
16	5.625 [142.9]		

\* No mounting available

## 0.4375" [11.1] Pitch, Series SSB7

## SSB7FP##0202



## Material & Finish

**Housing Material**—Polypropylene

**Flammability**—UL94V-2

**Color**—Black

**Terminals**—Brass, bright acid tin over copper plating

**Screw**—#6-32 Steel with zinc + chromate plating

## Mechanical Properties

### Pitch (Terminal Spacing)——

.4375 in. [11.1]

**Recommend**  
.077" [1.955]

**Wire Strip Length**—.38" [9.652]

### Recommended Tightening

**Torque**—8 in-lbs.

**Recommended Screwdrivers—**  
Stanley 1006-4, Sears Craftsman 41581,  
Any #2 Phillips-Head

**Wire Lug Width (Max.)**—8.1mm  
[.320 in.]

## Electrical Properties

**Ratings**—UL Class B 20 Amps, 600V

UL Class C 20 Amps, 600V

CSA Type C 20 Amps, 300V

CSA Type D, 5 Amps, 600V

**Wire Range**—12-22 AWG

**Dielectric Withstand**—5000V

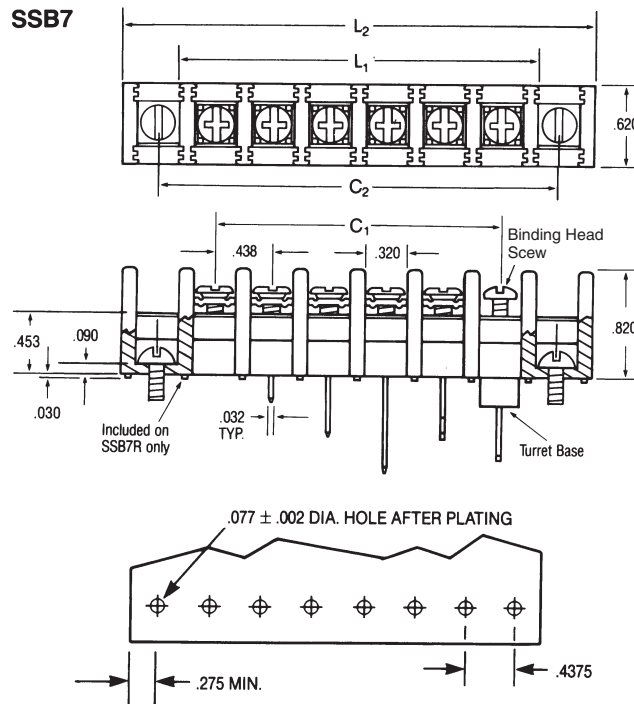
## Environmental Properties

**Operating Temperature Range**—  
60°C to +105°C [-76°F to +221°F]

## Computing Barrier Block Lengths

**Direct Mounting**—Use C1 and L1 for P & H mounting options

**End Position Mounting**—Use L2 and C2 for M, E, F & G mounting options



Circuits (not positions)	C1 in.	L1* in.	C2 in.	L2* in.
01	—	—	0.88	1.44
02	0.44	1.00	1.31	1.88
03	0.88	1.44	1.75	2.31
04	1.31	1.88	2.19	2.75
05	1.75	2.31	2.63	3.19
06	2.19	2.75	3.06	3.63
07	2.63	3.19	3.50	4.06
08	3.06	3.63	3.94	4.50
09	3.50	4.06	4.38	4.94
10	3.94	4.50	4.81	5.38
11	4.38	4.94	5.25	5.81
12	4.81	5.38	5.69	6.25
13	5.25	5.81	6.13	6.69
14	5.69	6.25	6.56	7.13
15	6.13	6.69	7.00	7.56
16	6.56	7.13	7.44	8.00
17	7.00	7.56	7.88	8.44
18	7.44	8.00	8.31	8.88
19	7.88	8.44	8.75	9.31
20	8.31	8.88	9.19	9.75
21	8.75	9.31	9.63	10.19
22	9.19	9.75	10.06	10.63
23	9.63	10.19	10.50	11.06
24	10.06	10.63	10.94	11.50
25	10.50	11.06	11.38	11.94
26	10.94	11.50	—	—
27	11.38	11.94	—	—



LR49571

**E60980**

Ordering Information

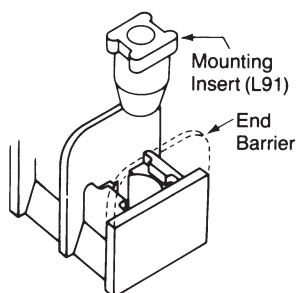
**SSB 7 F P 06 02 02 11**  
A B C D E F G H

**A Single Screw Dual-Barrier Strip SSB**

**B Contact Spacing (Center-to-Center)**  
7 = .4375 (7/16)

**C Base Options**  
C=Closed Base  
F=Flat Base  
R=Raised Base  
T=Turret Base  
(Available only with 01, 04, 05, 07, 09, 12, 13, 15 style bottom terminals)

**D Mounting Options**  
(See illustration below)  
E=Open end positions, with mounting inserts, with end barriers  
F=Open end positions, without mounting inserts, without end barriers  
G=Open end positions, with mounting inserts, without end barriers  
M=Open end positions, without mounting inserts, with end barriers  
P=All positions filled with contacts, with end barriers



**E No. of Circuits (Not Positions)**  
Must conform to mounting options  
02 to 32 circuits (P & H mounting)  
02 to 27 circuits (M, E, F & G mounting)

**F Terminal Style**  
01=Solder Tail  
02=Printed Circuit Pin  
03=Non-Feed Through (with C base only)  
04=Extended Printed Circuit Pin  
05=Quick Connects  
06=90° bend, .46" x .11" (with F base only)  
07=Wire Wrap  
08=90° bend, .75" x .11" (with F base only)  
12=90° bend, .21" x .65"  
13=90° bend, .36" x .50"  
14=90° bend, .41" x .16" (with F base only)  
15=90° bend, .51" x .35"  
16=90° bend, .32" x .25" (with F base only)

**G Top Hardware Options**  
00=No top hardware (Separately packaged binding head screws supplied at no cost)  
01=Bright zinc and chromate plated steel binding head screw  
02=Bright zinc and chromate plated steel screw and captive clamp - Do not order with other top hardware  
03=Stainless steel binding head screw  
04=Nickel plated brass binding head screw  
09=Nickel plated brass screw and captive clamp - Do not order with other top hardware

80=Single-sided solder tab  
81=Double-sided solder tab

**Quick-Connect Blades**  
(supplied with 01 screw)

.250 wide x.032 thick	.187 wide x.020 thick
20	40=
21	41=
22	42=
23	43=
24	44=
25	45=
26	46=
27	47=
28	48=
29	49=
30	50=
31	51=
32	52=
33	53=
34	54=
35	55=
36	56=

**H Circuit Identification Options**

11 = 12345...
12 = ...54321
13 = 1 2 3 4 5 . . .
14 = . . . 5 4 3 2 1
15 = 12345... 12345...
16 = ...54321 ..54321

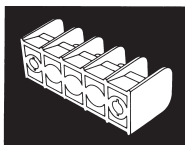


**0.4375" [11.1] Pitch, Series SSB7 (Continued)**
**Contact Spacing Options:**
**.4375 in (7/16") Spacing**

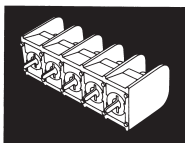
Extra thick barriers provide higher voltage rating. Up to 27 ckts. (25 circuits for end mounted blocks)

**Base Options:**
**Closed Base**
**Catalog Letter**

**Code: C.** For terminal junction-blocks requiring top connections only. Useful in applications requiring single point circuit terminations or circuit completion via top mounted, single- and two-sided quick-connects. Replace double-row barrier strips.


**Flat Base**
**Catalog Letter**

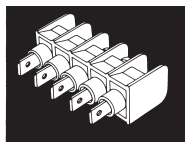
**Code: F.** Lends itself most readily to applications where direct top-to-bottom feed-through is required with no special requirement for circuit isolation on the bottom side. The most common example of this is printed circuit board mounting.


**Raised Base**

**Catalog Letter Code R.** Standoffs between each circuit raise block .030" above mounting surface to allow flux and solvents to drain during soldering operations. Available only with 02 and 04 bottom terminals.

**Turret Base**
**Catalog Letter Code: T.** Combines

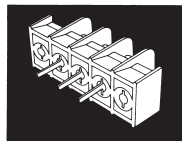
top-to-bottom feed-through with bottom-side circuit isolation for panels up to .126" thick. Turret bases are available with the following terminals: solder tail, quick connect, machine wrap, extended circuit board terminal, and right-angle.


**Mounting Options:**
**End Position**
**Mounting**
**Catalog Letter**

**Codes: E, F, G**

**or M.** Supplied

without contacts in end sections to allow installer to mount blocks with screws in end section holes. Base of block will support mounting screws (Codes F & M). Also available with mounting inserts installed in end mounting holes to raise mounting screw heads to the level of other top hardware (Codes E & G).


**Without End Barriers**
**Catalog Letter Codes: F, G & H.**

Facilitates mounting-screw access when end sections are used for mounting.

**Direct Mounting**
**Catalog Letter Codes: P & H.** SSBs

may be solder-mounted using the bottom terminals themselves, as in the case of printed circuit board applications.

Direct mounting is also possible with turret base models using press-on retaining clips (Catalog No. L97, Part Number 1437661-7) on turrets.

**Hardware Options**

**7C1xxx**—Safety cover, see page 171

**QC2x**—.250 Quick connects, see page 172

**QC4x**—.187 Quick connects, see page 172

**ST80**—Single sided solder tabs, see page 172

**1776090-x**—Extra long Quick connects, see page 172

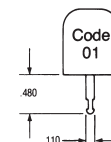
**J7**—Jumpers, see page 173

**L91**—Mounting insert, see page 174

**L92**—Angle bracket, see page 174

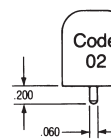
**Terminal Style:**
**Solder Tail**
**Catalog Number**

**Code: 01.** For applications requiring a wrapped solder connection.


**Printed Circuit Pin**
**Catalog Number**

**Code: 02.**

Designed specifically for mounting on .063" thick circuit board. Special, readily solderable plating permits good fillet development in automated soldering processes.


**Non-Feed-Through**
**Catalog Number**

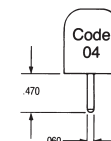
**Code: 03.**

With closed base option only.

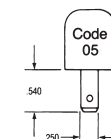

**Extended Printed**
**Circuit Pin**
**Catalog Number**

**Code: 04.**

Useful where extra length is needed, as in thicker printed circuit boards or single-wrap connections.


**Quick Connect**
**Catalog Number Code:**

**05.** .250 in. wide x .032" thick blades accept .250" female quick connects.





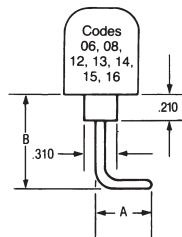
*Electronics*

**0.4375" [11.1] Pitch, Series SSB7 (Continued)**

**Mounting Position:  
Right-Angle**

**Catalog Number**  
**Codes: 06, 08, 12, 13, 14, 15, 16.**

Seven variations of right-angle contacts are available. Designed for circuit board and panel applications, this option saves space when printed circuit boards are stacked closely together. It provides access to top connections in restricted spaces. Mount with angle brackets. (Catalog No. L92).



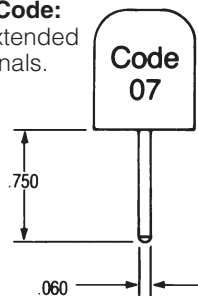
Catalog No. Code	A in.	B in.
06*	0.46	0.11
08*	0.75	0.11
12	0.21	0.65
13	0.36	0.50
14*	0.41	0.16
15	0.51	0.35
16*	0.32	0.25

\*Not available with turret base

**Wire Wrap**

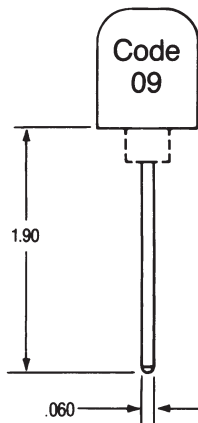
**Catalog Number Code:**

**07.** Longer than extended circuit board terminals. Post alignment is compatible with tolerances required for automatic wire wrapping equipment. Post dimensions are compatible with standard wire wrapping bits.



**Extra Long  
Terminal**

**Catalog Number**  
**Code: 09.**



**Top Hardware Options:**

**Binding Head Screws**

In most applications, binding head screws will provide excellent wire retention because of exclusive wire locking tabs. These binding head screws are available in 3 materials identified by codes 01, 02, and 03.



**Catalog Number Code:**

- 01** Bright Zinc and Chromate Plated Steel
- 02** Stainless Steel
- 03** Nickel Plated Brass

**Captive Clamp**

For applications requiring extra security, captive clamps under the screw heads augment the locking tabs on each contact. Screws have a unique Phil-slot design accepting either Phillips-head or straight screwdriver. Code 02 screw is Bright Zinc and Chromate plated steel. Code 09 screw is Nickel plated Brass.

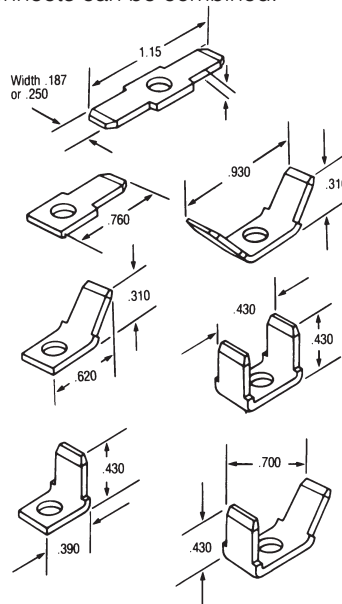


**Catalog Number Code:**

- 02** Bright Zinc and Chromate Plated Steel
- 09** Nickel Plated Brass

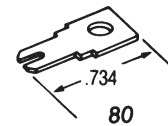
**Catalog Number Codes: 20 through 56.**

A complete selection of .187" and .250" quick-connect blades are available for connecting wire terminated with female quick connects. Single- and double-sided types in flat, 45° and 90° angle bends can be supplied. Material is brass with tin plating. All blades supplied with 01 screws. Various quick-connects can be combined.



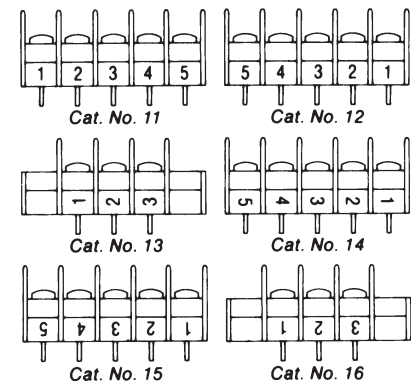
**Solder Tabs**

**Catalog Number Code: 80.** Single-sided, slotted solder tabs are available for making wrapped solder connections on the top side of SSBs.



**Circuit Identification Options:**

**Catalog Number Codes: 11 through 16.** SSB blocks may be ordered with circuit identification numbers in white on the molding in six different variations. Custom markings are available on special order.



**Molding Material Options:**

The standard SSB molding material is UL94V-2 polypropylene. Consult Technical Support for other materials available on special order.

**Molding Color Options:**

SSB blocks are stocked in black. Consult Technical Support for availability of other colors.

## Double-Row, Dual-Barrier Strips

### Product Facts

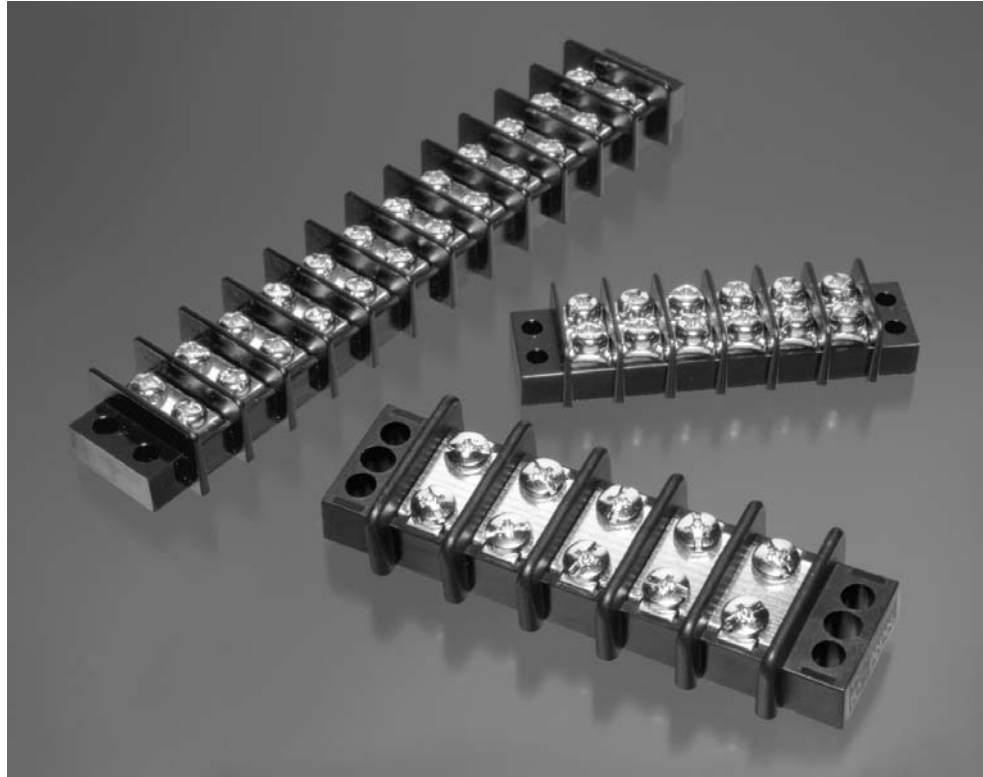
- Double-row, dual barrier strips for wire-to-wire applications. These parts also allow end users to complete the wiring to a separate screw without disturbing the factory wiring.
- Available with either binding head screws or wire clamp
- Increased current-carrying capability

### Applications

- Industrial Controls
- Test Equipment
- HVAC
- Power Supplies
- Traffic Signals
- Telecom

### Key Features

- Closed bottom design allows for mounting direct to sheet metal panel
- Molded to length
- Accessories such as Quick-Connect Tabs and Jumpers available
- Wire-to-wire termination:
  - .374 [9.5] centerline:  
Up to 30 positions
  - .433 [11.0] centerline:  
Up to 26 positions
  - .437 [11.1] centerline:  
Up to 26 positions
  - .563 [14.3] centerline:  
Up to 18 positions
- RoHS Compliant



**.374 [9.5] Centerline**

**Material & Finish**

**Insulator Body**—UL94V-0,  
thermoplastic, black

**Terminals**—Brass, tin plated

**Screw**—#6-32 steel, nickel plated

**Mechanical Properties**

**Screw Torque**—12 in-lb

**Electrical Properties**

**Current Rating**—20 A, 300 VAC

**Wire Range**—12-22 AWG

**Withstanding Voltage**—2000 VAC  
min.

**Environmental Properties**

**Operating Temperature**—  
-40°F to +221°F [-40°C to +120°C]

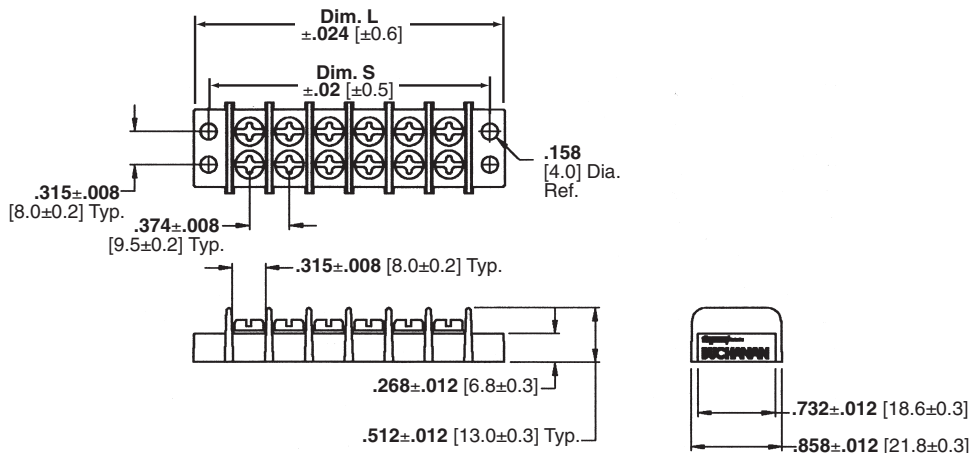
**Hardware Options**

**J6140**—Spade jumper, see page 173

**J6240**—Flanged spade jumper, see  
page 173

**J6340**—Ring tongue jumper, see page  
173

**J6**—Spade jumper, see page 173



No. of Positions	Dimension		Part Numbers	
	L	S	w/Binding Head Screws	w/Wire Clamp Screws
2	1.42 [036.2]	1.13 [028.7]	1546306-2	1546307-2
3	1.80 [045.7]	1.50 [038.2]	1546306-3	1546307-3
4	2.17 [055.2]	1.88 [047.7]	1546306-4	1546307-4
5	2.55 [064.7]	2.25 [057.2]	1546306-5	1546307-5
6	2.92 [074.2]	2.63 [066.7]	1546306-6	1546307-6
7	3.30 [083.7]	3.00 [076.2]	1546306-7	1546307-7
8	3.67 [093.2]	3.37 [085.7]	1546306-8	1546307-8
9	4.05 [103.0]	3.75 [095.2]	1546306-9	1546307-9
10	4.41 [112.0]	4.13 [105.0]	1-1546306-0	1-1546307-0
11	4.80 [122.0]	4.49 [114.0]	1-1546306-1	1-1546307-1
12	5.16 [131.0]	4.88 [124.0]	1-1546306-2	1-1546307-2
13	5.55 [141.0]	5.24 [133.0]	1-1546306-3	1-1546307-3
14	5.91 [150.0]	5.63 [143.0]	1-1546306-4	1-1546307-4
15	6.30 [160.0]	5.98 [152.0]	1-1546306-5	1-1546307-5
16	6.65 [169.0]	6.38 [162.0]	1-1546306-6	1-1546307-6
17	7.05 [179.0]	6.73 [171.0]	1-1546306-7	1-1546307-7
18	7.40 [188.0]	7.13 [181.0]	1-1546306-8	1-1546307-8
19	7.79 [198.0]	7.48 [190.0]	1-1546306-9	1-1546307-9
20	8.15 [207.0]	7.87 [200.0]	2-1546306-0	2-1546307-0
21	8.54 [217.0]	8.23 [209.0]	2-1546306-1	2-1546307-1
22	8.90 [226.0]	8.62 [219.0]	2-1546306-2	2-1546307-2
23	9.29 [236.0]	8.98 [228.0]	2-1546306-3	2-1546307-3
24	9.65 [245.0]	9.37 [238.0]	2-1546306-4	2-1546307-4
25	10.04 [255.0]	9.72 [247.0]	2-1546306-5	2-1546307-5
26	10.39 [264.0]	10.12 [257.0]	2-1546306-6	2-1546307-6
27	10.79 [274.0]	10.47 [266.0]	2-1546306-7	2-1546307-7
28	11.14 [283.0]	10.87 [276.0]	2-1546306-8	2-1546307-8
29	11.54 [293.0]	11.22 [285.0]	2-1546306-9	2-1546307-9
30	11.89 [302.0]	11.61 [295.0]	3-1546306-0	3-1546307-0

**Double-Row, Dual-Barrier Strips (Continued)**

**.433 [11.0] Centerlines**

**Material & Finish**

**Insulator Body**—UL94V-0,  
thermoplastic, black

**Terminals**—Brass, tin plated

**Screw**—#6-32 steel, nickel plated

**Mechanical Properties**

**Screw Torque**—12 in-lb

**Electrical Properties**

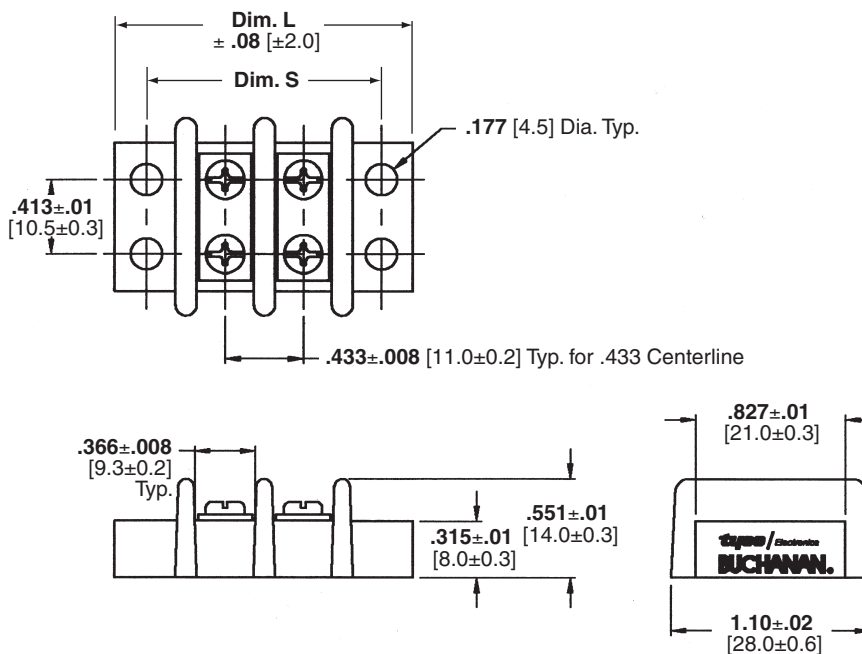
**Current Rating**—20 A, 300 VAC

**Wire Range**—14-22 AWG

**Withstanding Voltage**—2000 VAC  
min.

**Environmental Properties**

**Operating Temperature**—  
-40°F to +221°F [-40°C to +120°C]



No. of Positions	Dimension		Part Numbers	
	L	S	w/Binding Head Screws	w/Wire Clamp Screws
2	1.65 [41.8]	1.264 [32.1]	1546481-2	1546477-2
3	2.08 [52.8]	1.697 [43.1]	1546481-3	1546477-3
4	2.51 [63.8]	2.130 [54.1]	1546481-4	1546477-4
5	2.94 [74.8]	2.563 [65.1]	1546481-5	1546477-5
6	3.38 [85.8]	2.996 [76.1]	1546481-6	1546477-6
7	3.81 [96.8]	3.429 [87.1]	1546481-7	1546477-7
8	4.24 [107.8]	3.862 [98.1]	1546481-8	1546477-8
9	4.68 [118.8]	4.295 [109.1]	1546481-9	1546477-9
10	5.11 [129.8]	4.728 [120.1]	1-1546481-0	1-1546477-0
11	5.54 [140.8]	5.161 [131.1]	1-1546481-1	1-1546477-1
12	5.98 [151.8]	5.594 [142.1]	1-1546481-2	1-1546477-2
13	6.41 [162.8]	6.028 [153.1]	1-1546481-3	1-1546477-3
14	6.84 [173.8]	6.461 [164.1]	1-1546481-4	1-1546477-4
15	7.27 [184.8]	6.894 [175.1]	1-1546481-5	1-1546477-5
16	7.71 [195.8]	7.327 [186.1]	1-1546481-6	1-1546477-6
17	8.14 [206.8]	7.760 [197.1]	1-1546481-7	1-1546477-7
18	8.57 [217.8]	8.193 [208.1]	1-1546481-8	1-1546477-8
19	9.01 [228.8]	8.626 [219.1]	1-1546481-9	1-1546477-9
20	9.44 [239.8]	9.059 [230.1]	2-1546481-0	2-1546477-0
21	9.87 [250.8]	9.492 [241.1]	2-1546481-1	2-1546477-1
22	10.31 [261.8]	9.925 [252.1]	2-1546481-2	2-1546477-2
23	10.74 [272.8]	10.358 [263.1]	2-1546481-3	2-1546477-3
24	11.17 [283.8]	10.791 [274.1]	2-1546481-4	2-1546477-4
25	11.61 [294.8]	11.224 [285.1]	2-1546481-5	2-1546477-5
26	12.04 [305.8]	11.657 [296.1]	2-1546481-6	2-1546477-6

**Double-Row, Dual-Barrier Strips (Continued)**

**.437 [11.1] Centerlines**

**Material & Finish**

**Insulator Body**—UL94V-0,  
thermoplastic, black

**Terminals**—Brass, tin plated

**Screw**—#6-32 steel, nickel plated

**Mechanical Properties**

**Screw Torque**—12 in-lb

**Electrical Properties**

**Current Rating**—20 A, 300 VAC

**Wire Range**—14-22 AWG

**Withstanding Voltage**—2000 VAC  
min.

**Environmental Properties**

**Operating Temperature**—  
-40°F to +221°F [-40°C to +120°C]

**Hardware Options**

**1776110-x**—Single-sided Quick  
Connects, see page 172

**1776057-x**—Two-sided Quick  
Connects, see page 172

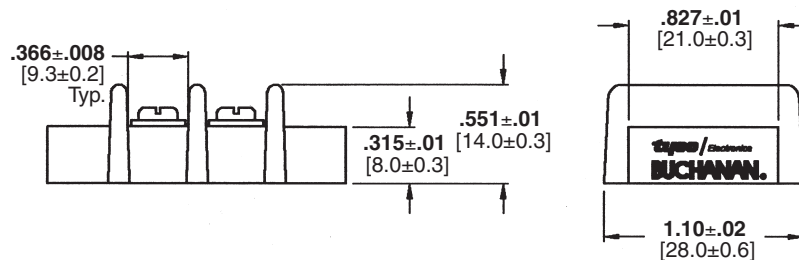
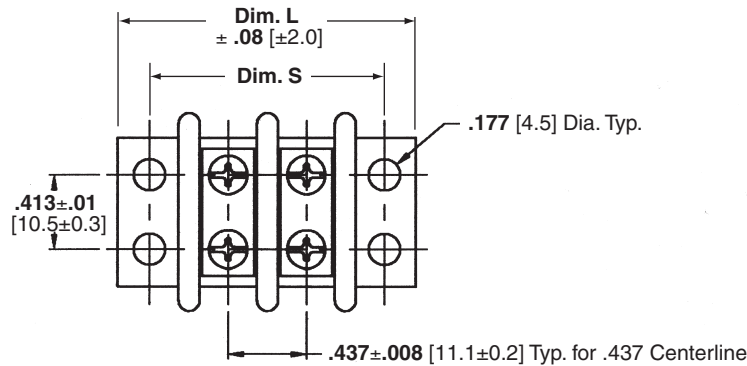
**J7**—Spade jumper, see page 173

**J7140**—Spade jumper, see page 173

**J7240**—Flanged jumper, see page 173

**J7340**—Ring tongue jumper,  
see page 173

**J76**—Over-the-barrier jumper,  
see page 173



No. of Positions	Dimension		Part Numbers	
	L	S	w/Binding Head Screws	w/Wire Clamp Screws
2	1.62 [41.2]	1.264 [32.1]	1546670-2	1546671-2
3	2.06 [52.3]	1.697 [43.1]	1546670-3	1546671-3
4	2.50 [63.4]	2.130 [54.1]	1546670-4	1546671-4
5	2.93 [74.5]	2.563 [65.1]	1546670-5	1546671-5
6	3.37 [85.6]	2.996 [76.1]	1546670-6	1546671-6
7	3.81 [96.7]	3.429 [87.1]	1546670-7	1546671-7
8	4.24 [107.8]	3.862 [98.1]	1546670-8	1546671-8
9	4.68 [118.9]	4.295 [109.1]	1546670-9	1546671-9
10	5.12 [130.0]	4.728 [120.1]	1-1546670-0	1-1546671-0
11	5.55 [141.1]	5.161 [131.1]	1-1546670-1	1-1546671-1
12	5.99 [152.2]	5.594 [142.1]	1-1546670-2	1-1546671-2
13	6.43 [163.3]	6.028 [153.1]	1-1546670-3	1-1546671-3
14	6.87 [174.4]	6.461 [164.1]	1-1546670-4	1-1546671-4
15	7.30 [185.5]	6.894 [175.1]	1-1546670-5	1-1546671-5
16	7.74 [196.6]	7.327 [186.1]	1-1546670-6	1-1546671-6
17	8.18 [207.7]	7.760 [197.1]	1-1546670-7	1-1546671-7
18	8.61 [218.8]	8.193 [208.1]	1-1546670-8	1-1546671-8
19	9.05 [229.9]	8.626 [219.1]	1-1546670-9	1-1546671-9
20	9.49 [241.0]	9.059 [230.1]	2-1546670-0	2-1546671-0
21	9.93 [252.1]	9.492 [241.1]	2-1546670-1	2-1546671-1
22	10.36 [263.2]	9.925 [252.1]	2-1546670-2	2-1546671-2
23	10.80 [274.3]	10.358 [263.1]	2-1546670-3	2-1546671-3
24	11.24 [285.4]	10.791 [274.1]	2-1546670-4	2-1546671-4
25	11.67 [296.5]	11.224 [285.1]	2-1546670-5	2-1546671-5
26	12.11 [307.6]	11.657 [296.1]	2-1546670-6	2-1546671-6

**Double-Row, Dual-Barrier Strips (Continued)**

**.563 [14.3] Centerline**

**Material & Finish**

**Insulator Body**—UL94V-0,  
thermoplastic, black

**Terminals**—Brass, tin plated

**Screw**—M4.0 steel, nickel plated

**Mechanical Properties**

**Screw Torque**—16 in-lb

**Electrical Properties**

**Current Rating**—30 A, 300 VAC

**Wire Range**—10-22 AWG

**Withstanding Voltage**—2000 VAC  
min.

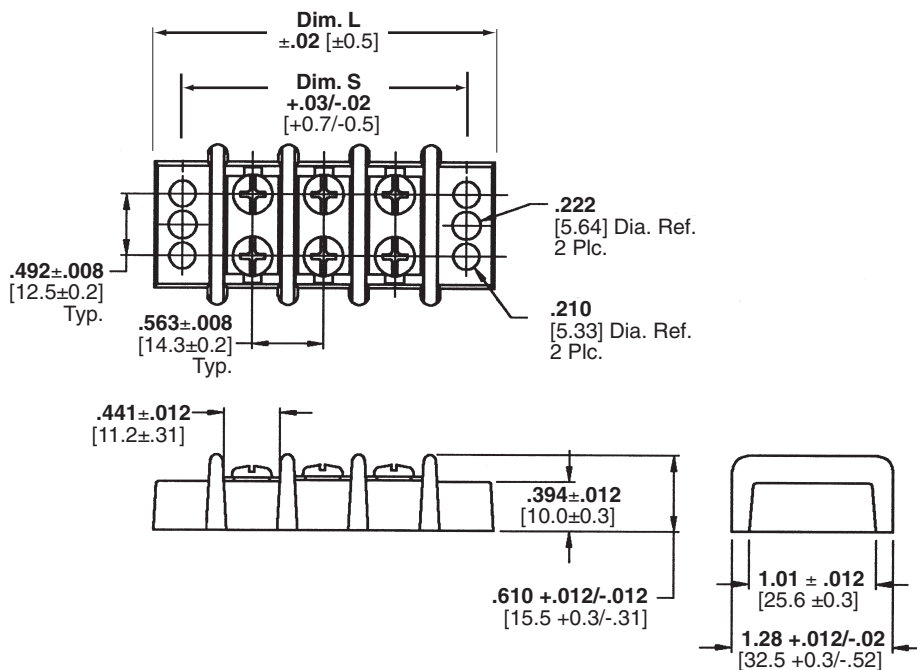
**Environmental Properties**

**Operating Temperature**—  
-40°F to +284°F [-40°C to +140°C]

**Hardware Options**

**1776174-x**—Single-sided Quick  
Connects, see page 172

**1776173-x**—Two-sided Quick  
Connects, see page 172



No. of Positions	Dimension		Part Numbers	
	L	S	w/Wire Clamp Screws	w/Binding Head Screws
2	2.13 [54.0]	1.69 [42.9]	1546311-2	1546310-2
3	2.69 [68.3]	2.25 [57.2]	1546311-3	1546310-3
4	3.25 [82.6]	2.81 [71.5]	1546311-4	1546310-4
5	3.81 [96.9]	3.38 [85.8]	1546311-5	1546310-5
6	4.38 [111.2]	3.94 [100.1]	1546311-6	1546310-6
7	4.94 [125.5]	4.50 [114.4]	1546311-7	1546310-7
8	5.50 [139.8]	5.07 [128.7]	1546311-8	1546310-8
9	6.08 [154.1]	5.63 [143.0]	1546311-9	1546310-9
10	6.63 [168.4]	6.19 [157.3]	1-1546311-0	1-1546310-0
11	7.19 [182.7]	6.76 [171.6]	1-1546311-1	1-1546310-1
12	7.75 [197.0]	7.32 [185.9]	1-1546311-2	1-1546310-2
13	8.32 [211.3]	7.88 [200.2]	1-1546311-3	1-1546310-3
14	8.88 [225.6]	8.44 [214.5]	1-1546311-4	1-1546310-4
15	9.44 [239.9]	9.01 [228.8]	1-1546311-5	1-1546310-5
16	10.02 [254.5]	9.57 [243.1]	1-1546311-6	1-1546310-6
17	10.57 [268.5]	10.13 [257.4]	1-1546311-7	1-1546311-7
18	11.13 [282.8]	10.70 [271.7]	1-1546311-8	1-1546310-8



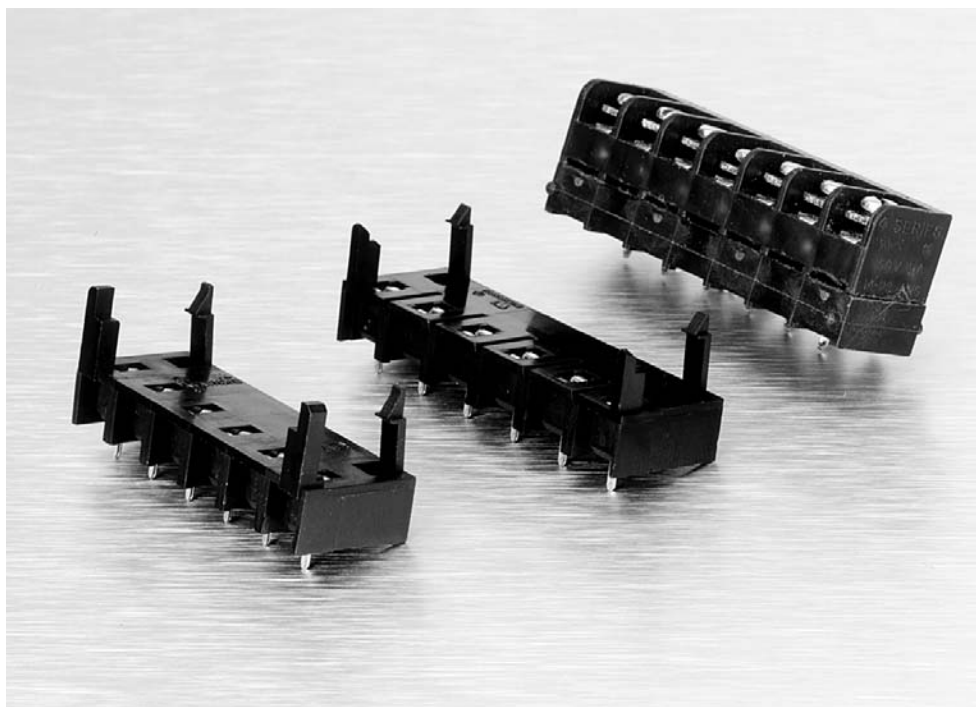
**Mateability for the socket  
line is given below:**

Socket Series	Connector Series
USB	RSB3, SSB3
RSB6B	RSB6

**Product Facts**

- End-to-end mounting of USB sockets maintain circuit spacing: Two 12-circuit USB sockets can mate with one 24-circuit SSB3 or RSB3.
- Secure mating with built-in locking arms

**Barrier Strip Sockets**



This unique plug-in socket line allows quick connection of circuits simultaneously without the use of tools.

They are designed to be wave-soldered to a PC board, after which the connector is plugged into the socket.

**0.325" [8.26] Pitch, Series USB Socket (for Series RSB3 and SSB3)**

**USB3B08S & SSB3FP080202**



**Material & Finish**

**Housing Material**—Polyamide, Type 6/6

**Flammability**—UL94V-2

**Color**—Black

**Terminals Contact**—Copper alloy, bright tin plating

**Pin**—Copper alloy, bright tin plating

**Mechanical Properties**

**Pitch (Terminal Spacing)**—  
0.325" [8.26]

**Recommended PCB Hole Dia.**—  
.055" [1.40]

**Pullout Force**—5-7 lbs.

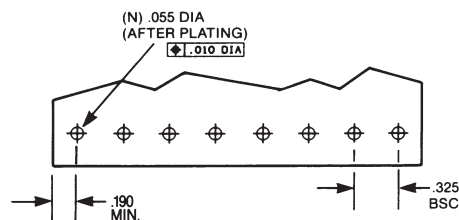
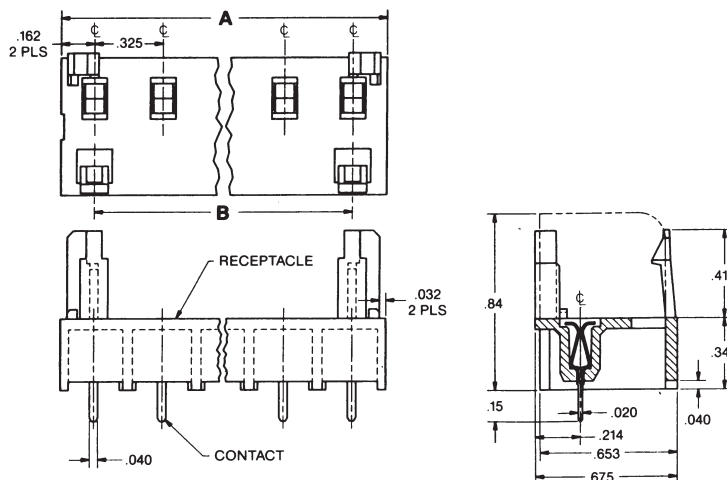
**Electrical Properties**

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

**Dielectric Withstand**—3500V

**Environmental Properties**

**Operating Temperature Range**—  
-60°C to +105°C [-76°F to +221°F]



**Recommended PCB Hole Pattern**

No. of Circuits	Dimensions		Dual-Barrier Mating Strip Catalog Number	Tri-Barrier Mating Strip Catalog Number	Catalog Number
	A	B			
2	0.650	0.325	SSB3FP0202...	RSB3VP0212...	USB3B02S
3	0.975	0.650	SSB3FP0302...	RSB3VP0312...	USB3B03S
4	1.300	0.975	SSB3FP0402...	RSB3VP0412...	USB3B04S
5	1.625	1.300	SSB3FP0502...	RSB3VP0512...	USB3B05S
6	1.950	1.625	SSB3FP0602...	RSB3VP0612...	USB3B06S
7	2.275	1.950	SSB3FP0702...	RSB3VP0712...	USB3B07S
8	2.600	2.275	SSB3FP0802...	RSB3VP0812...	USB3B08S
9	2.925	2.600	SSB3FP0902...	RSB3VP0912...	USB3B09S
10	3.250	2.925	SSB3FP1002...	RSB3VP1012...	USB3B10S
11	3.575	3.250	SSB3FP1102...	RSB3VP1112...	USB3B11S
12	3.900	3.575	SSB3FP1202...	RSB3VP1212...	USB3B12S
13	4.225	3.900	SSB3FP1302...	RSB3VP1312...	USB3B13S
14	4.550	4.225	SSB3FP1402...	RSB3VP1412...	USB3B14S

**Note:** See page 161 to complete mating Tri-Barrier Strip Catalog Number.  
See page 165 to complete mating Dual-Barrier Strip Catalog Number.



**0.375" [9.53] Pitch, Series RSB6B Socket (for Series RSB6 Tri-Barrier)**

**RSB6B06S**



**Material & Finish**

**Housing Material**—Polyamide

**Flammability**—UL94V-2

**Color**—Black

**Terminals**—Copper alloy, bright tin plating

**Pin**—Copper alloy, bright tin plating

**Mechanical Properties**

**Pitch (Terminal Spacing)**—

.375 in [9.53]

**Recommended PCB Hole Dia.**—

.062" [1.57]

**Electrical Properties**

**Ratings**—UL Class B 20 Amps, 300V

CSA Type B 10 Amps, 300V

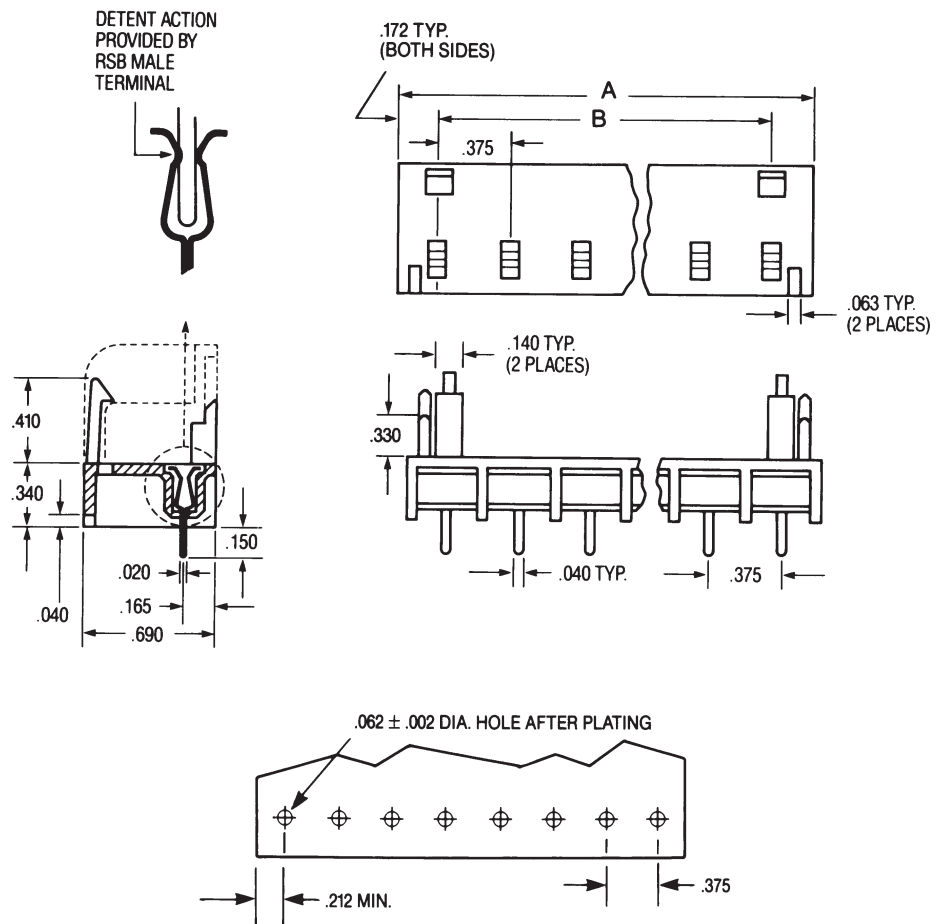
CSA Type D 5 Amps, 600V

**Dielectric Withstand**—3500V

**Environmental Properties**

**Operating Temperature Range**—

-60°C to +105°C [-76°F to +221°F]



**Recommended PCB Hole Pattern**

No. of Circuits	Dimensions		Catalog Number
	A	B	
02	0.720	0.375	RSB6B02S
03	1.094	0.750	RSB6B03S
04	1.469	1.125	RSB6B04S
05	1.844	1.500	RSB6B05S
06	2.219	1.875	RSB6B06S
07	2.594	2.250	RSB6B07S
08	2.869	2.625	RSB6B08S
09	3.244	3.000	RSB6B09S
10	3.720	3.375	RSB6B10S

**Note:** RSB6 Tri-Barrier Blocks should be ordered with Number 12 Terminal Style (printed circuit pin, V mounting) when used in combination with this plug-in socket. See page 168 for ordering information.