

## 0.375" PITCH SERIES RSB6

### PHYSICAL PROPERTIES

HOUSING MATERIAL: Polypropylene  
FLAMMABILITY: UL94V-2  
COLOR: Black

### TERMINAL

TERMINALS: Brass, bright acid tin over copper plating  
SCREW: Steel w/Zinc + Chromate plating  
CLAMP: Steel w/Zinc + Chromate plating

### MECHANICAL

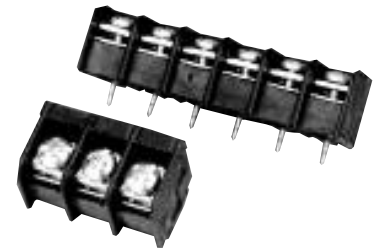
PITCH (TERMINAL SPACING): .375"  
SCREW SIZE: 6-32  
RECOMMENDED PCB HOLE DIA.: .062"  
WIRE STRIP LENGTH: .38"  
RECOMMENDED TIGHTENING TORQUE: 9 in lbs.  
RECOMMENDED SCREWDRIVERS: Stanley 1006-4,  
Sears Craftsman 41581, Any #2 Phillips-Head  
WIRE LUG WIDTH (MAX.): 8,1mm (.320")

### ELECTRICAL PROPERTIES

MAXIMUM CURRENT: 20A  
OPERATING VOLTAGE: 300V  
WIRE RANGE: (Clamp Screw) #12 max AWG  
(Binding Head Screw) #14 max AWG  
DIELECTRIC WITHSTAND: 3500V

### ENVIRONMENTAL PROPERTIES

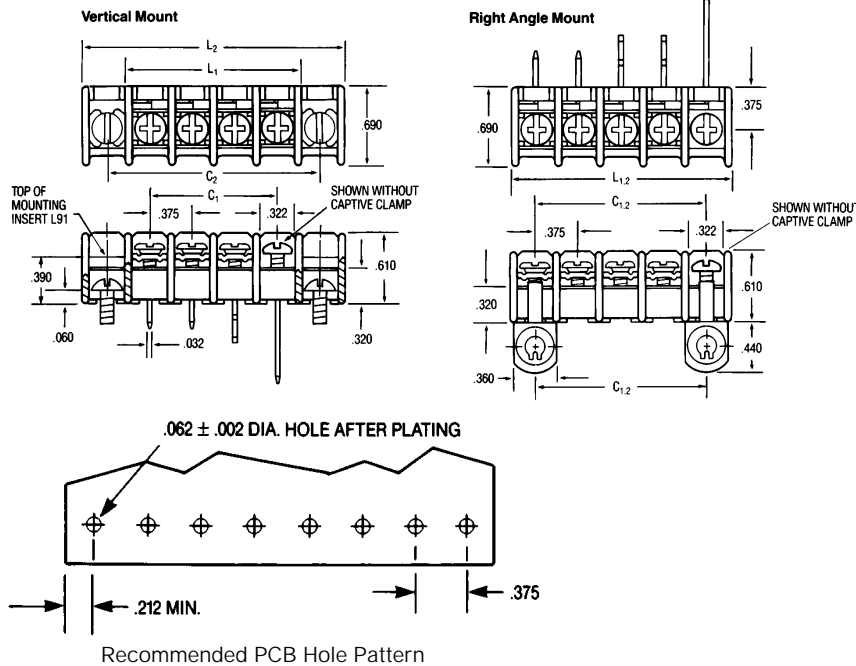
OPERATING TEMPERATURE RANGE: -60°C to +105°C  
(-76°F to +221°F)



RSB6RP##1102

### Dimensions

CIRCUITS (NOT POSITIONS)	C1 IN.	L1* IN.	C2 IN.	L2* IN.
01			.75	1.22
02	.37	.84	1.13	1.59
03	.75	1.22	1.50	1.97
04	1.13	1.59	1.88	2.34
05	1.50	1.97	2.25	2.72
06	1.88	2.34	2.63	3.09
07	2.25	2.72	3.00	3.47
08	2.63	3.09	3.37	3.84
09	3.00	3.47	3.75	3.84
10	3.37	3.84	4.13	4.59
11	3.75	4.22	4.50	4.97
12	4.13	4.59	4.88	5.34
13	4.50	4.97	5.25	5.72
14	4.88	5.34	5.63	6.09
15	5.25	5.72	6.00	6.47
16	5.63	6.09	6.38	6.84
17	6.00	6.47	6.75	7.22
18	6.38	6.84	7.13	7.59
19	6.75	7.22	7.50	7.97
20	7.13	7.59	7.88	8.34
21	7.50	7.97	8.25	8.72
22	7.88	8.34	8.63	9.09
23	8.25	8.72	9.00	9.47
24	8.63	9.09	9.75	9.84
25	9.00	9.47	9.75	10.22
26	9.38	9.84	10.13	10.59
27	9.75	10.22	10.50	10.97
28	10.13	10.59	10.88	11.34
29	10.50	10.97	11.25	11.72
30	10.88	11.34	11.63	12.09
31	11.25	11.72	12.00	12.47
32	11.63	12.09	12.38	12.84
33	12.00	12.47	12.75	13.22
34	12.38	12.84	13.13	13.59
35	12.75	13.22	13.50	13.97
36	13.13	13.59	13.88	14.34



### COMPUTING RSB BLOCK LENGTHS.

DIRECT MOUNTING - Use C1 & L1 for VP, SP, RP, HP mounting options

END POSITION MOUNTING - Use L2 & C2 for VM, SM, RM, VE, SE, RE mounting options

**BUCHANAN**

LR49571 E60980

0.375" PITCH  
SERIES RSB6

ORDERING INFORMATION

RSB 6 R P 07 11 02 NN N N  
A B C D E F G H I J

**A** Single Screw Tri-Barrier Strips RSB

**B** Contact Spacing  
6=.375 in. (6/16)

**C** Mounting Position Options  
 H= High Rise (Use only with #17 or #18 terminal option)  
 R= Right-angle mounting, w/out bracket  
 S= Right-angle mounting, with bracket  
 V= Vertical Mounting

**D** End Contact Options  
 E= Open end pos. with mounting inserts  
 M= Open end positions  
 P= All positions filled with contacts

**E** No. of Circuits (Not Positions)  
 02 through 34 for M Option  
 02 through 36 for P Option

**F** Terminal Style  
 11=Solder Tail, V Mounting  
 12=Circuit Board, V Mounting (select this option when block is to be used with RSB plug-in socket)  
 13=Non-Feedthrough, R, S or V Mounting  
 14=Solder Tail, R or S Mounting  
 15=Circuit Board, R or S Mounting  
 16=Machine Wrap, R or S Mounting  
 17=Machine Wrap, V Mounting  
 18=Circuit Board (for High Rise Mounting Position only)  
 19=Extended Circuit Board, V Mounting  
 20=Extended Circuit Board, R or S Mounting

**G** Top Hardware Options  
 01=Bright zinc and chromate plated steel binding-head screw  
 02=Bright zinc and chromate steel screw and captive clamp – Do not order in combination 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 in combination with other top hardware

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

		.110 wide	.187 wide
		x.032	x.020
		thick	thick
	22		42=
	23		43=
	24		44=
	25		45=
	29		49=
	30		50=
	31		51=
	33		53=
	35		55=
	36		56=

Circuit Identification Options  
 Request drawing #7013624 for complete information  
 NN=No circuit identification

Front	Top
11	21 = 12345...
12	22 = ...54321
13	23 =
14	24 =
15	25 =
16	26 =
17	27 =
18	28 =

**I** Material  
N= Polypropylene

**J** Color  
N= Black

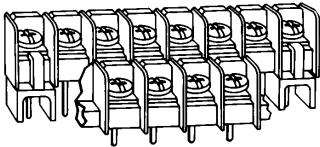


## 0.375" PITCH SERIES RSB6 FEATURES/OPTIONS

### MOUNTING & CONTACT POSITION OPTIONS

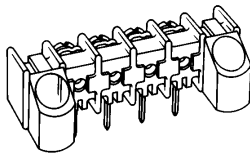
High-Rise, All Positions  
Filled With Contacts

CATALOG CODE HP: Designed for high density; two rows deep when used in conjunction with a VP configuration.



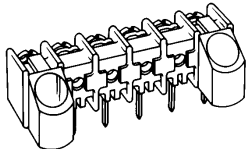
Right Angle, End Positions Blank

CATALOG CODES SM & RM: Used for right angle mounting when blank end sections are preferred.



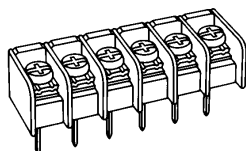
Right Angle, All Positions Filled  
With Contacts

CATALOG CODES SP & RP: Can be used for right angle printed circuit board mounting without mounting brackets (RP); or panel mounting with brackets (SP).



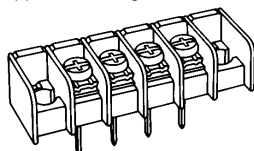
Vertical, Direct Mounting

CATALOG CODE VP: This configuration is frequently used on printed circuit boards where solder connections are used to fasten the block to the board.



Vertical, End Position Mounting

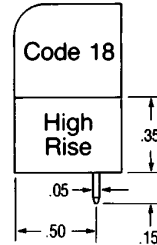
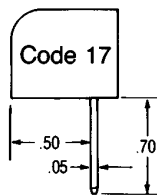
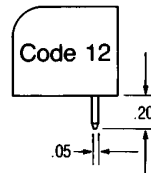
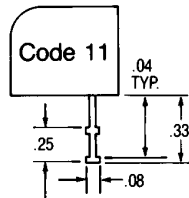
CATALOG CODE VM:  
Used where end sections are needed for mounting. Thickness of base is sufficient to support mounting screws.



### TERMINAL STYLE

Vertical Terminals

CATALOG NUMBER CODES 11, 12, 17 & 18:  
Four terminal styles are available in the vertical mounting configuration. The Solder Tail (#11) for wrapped solder connections, the Circuit Board (#12, #18) for printed circuit boards, and the Machine Wrap (#17) for two level printed circuit boards or wrapped wire connections.



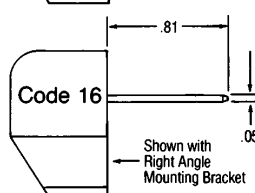
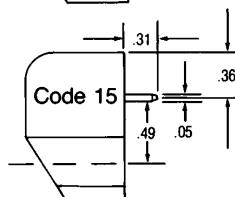
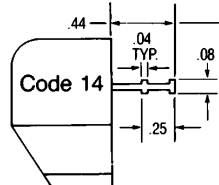
### Non-Feed-Through

CATALOG NUMBER CODE 13:  
Screw connection only. Used as panel mounted tie point.

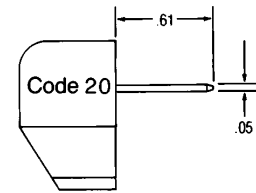
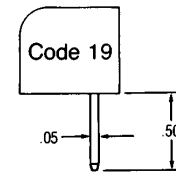


### Right Angle Contacts

CATALOG NUMBER CODES 14, 15 & 16:  
The Solder Tail (#14), Circuit Board (#15), and the Machine Wrap (#16) terminals are also available in the right-angle mounting configuration.



### EXTENDED CIRCUIT BOARD



### TOP HARDWARE OPTIONS:

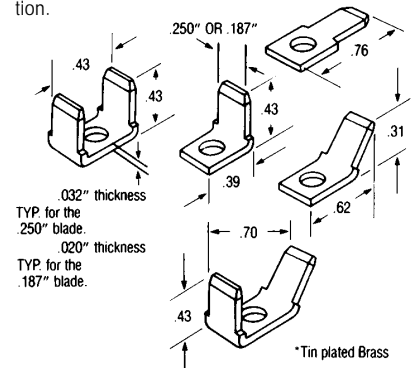
**Binding Head Screws** Four Styles Available.

### Captive Clamp

CATALOG NUMBER CODE: 02 & 09.  
For applications requiring extra security, captive clamps under the screw heads augment the locking tabs on each contact. Screws have #8 pan head with a unique Phil-slot design accepting either Phillips-head or straight screwdriver. The body is #6 to allow use of larger wire.

### Quick Connects




CATALOG CODE BELOW: A selection of .187" and .250" quick connect blades with tin plated brass are available for connecting wire terminated with female quick-connects. They are available individually or in combination. See ordering information.

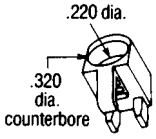


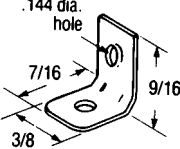
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## 0.375" PITCH SERIES RSB6 ACCESSORIES


DESCRIPTION	ORDER NUMBER
<b>STEEL BINDING HEAD SCREWS</b> Bright zinc and chromate plated	 L01
<b>CAPTIVE CLAMP SCREW</b> L02 is steel, bright zinc and chromate plated L09 is brass, nickel plated	 L02 L09
<b>MOUNTING INSERTS</b> for mounting RSBs with blank end sections, Nylon	 L91

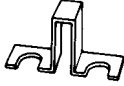
<b>RIGHT ANGLE MOUNTING</b> Nylon (accepts #6 or #8 round, phil-slot or pan-head screw)	 R94
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<b>ANGLE BRACKET</b> for mounting RSBs with right angle terminals, Copper alloy, tin plated	 L92
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### Ordering Information

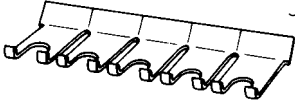
QUICK CONNECT BLADES	.250 WIDE	.187 WIDE
PACKAGES OF 100:	X .032 THICK	X .020 THICK
90°, Two-Sided	QC22	QC42
Flat, Single-Sided	QC23	QC42
45°, Single-Sided	QC24	QC44
90°, Single-Sided	QC25	QC45
90° -45°, Two-Sided	QC36	QC56

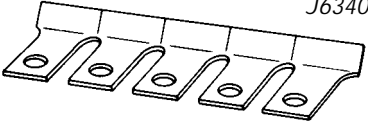
<b>SOLDER TABS:</b> For making top-side solder connections Single-Sided	 ST80
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<b>JUMPERS, BRASS, TIN PLATED</b> Two Circuit, Over the Barrier, Spade Type Jumper	 J74
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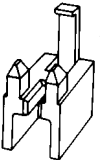
<b>Two Circuit, Over the Barrier</b> Ring Tongue Jumper	 J75
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<b>Around the Barrier*</b> Spade Jumper 40 circuits: snap apart to desired lengths	 J6140
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<b>ORDER DESCRIPTION</b> Around the Barrier* Flanged Spade Jumper; 40 circuits: snap apart to desired lengths	 J6240
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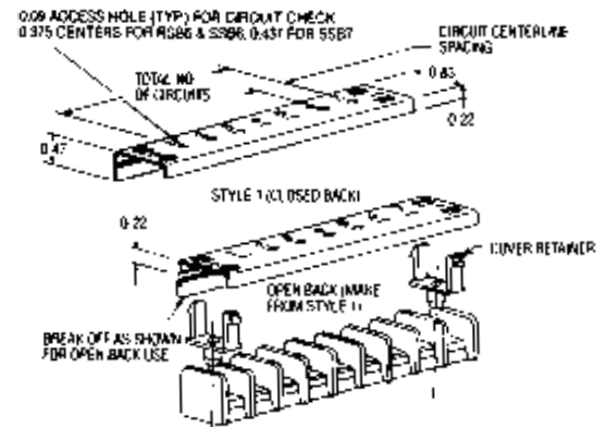
<b>ORDER DESCRIPTION</b> Around the Barrier* Ring Tongue Jumper 40 circuits: snap apart to desired lengths	 J6340
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\*NOTE: Jumper extends 0.54 in. horizontally from center of screw.

<b>HIGH RISE MOUNTING STANDOFFS</b> Designed for high density; allows two rows of contracts on two levels when used with a VP mounting configuration	 HR95
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### SAFETY COVERS (For RSB & SSB Barrier Strips)

Dead front protection prevents accidental contact with energized circuits. Access holes for test probes are provided over each terminal. Nylon clips are included with each cover. Covers meet UL94V-0, with 50°C temperature index. Black circuit identification is optional.



### ORDERING INFORMATION

<b>6</b>	<b>C</b>	<b>1</b>	<b>N</b>	<b>07</b>
Centerline Dimensions 6=6/16 (3/8") 7=7/16	Cover Material C=Yellow PVC	Style 1=Closed Back	Circuit Identification N=No Markings F=Forward Sequence (as shown) R=Reverse Sequence	Number of Circuits (Use Two Digits) Max. for SSB6=30 Max. SSB7=25 Max. RSB6=34

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