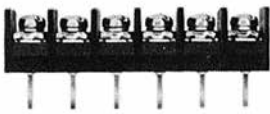





# PC Board Terminal Blocks (Selection Guide)

## BP series PC Board Terminal Blocks

Terminal Style		Terminal Centers (mm)	01	11
			Basic Model	Straight Model
BP1  (see page 4)		7.62	BP101S	BP111S
		9.5	BP101	BP111
		10	BP101	BP111
		11	BP101L	BP111L
BP2  (see page 7)		7.62	BP201S	BP211S
		9.5	BP201M	BP211M
		10	BP201	BP211
		11	BP201L	BP211L
BP3  (see page 10)		7.62	BP301S	BP311S
		9.5	BP301M	BP311M
		10	BP301	BP311
		11	BP301L	BP311L

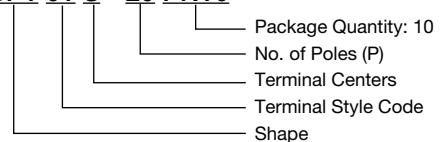
## BP series Rear Barrier Terminal Blocks

Shape	Terminal Centers (mm)	Part No.	No. of Poles (P)
With Rear Barrier  (see page 13)	10	BP101V	2 to 15


## Ordering Information

### Ordering Part No.

**BP1 01 S - 20 PN10**



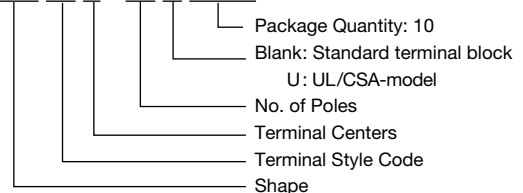
## BL series Double-deck Terminal Blocks

Shape	Terminal Centers (mm)	Part No.	No. of Poles (P)
Double-deck Model  (see page 20)	7.62	BL2B	10, 16, 20, 30, 34
	8.5	BL2C	
	10	BL2E	



### Ordering Part No.

(UL-recognized/CSA-certified models)

**BP1 01 S - 20 U PN10**



# PC Board Terminal Blocks (Selection Guide)



00		05		No. of Poles (P)	Terminal Cover Type
	Bridge Model		Center Pin Model		
BP100S (2-pole only)		BP105S		2 to 20	A
—		—		—	—
—		—		2 to 20	—
BP100 (2-pole only)		BP105		2 to 20	A
—		—		—	—
—		—		2 to 20	—
—		BP205S		2 to 18	A
		—		—	—
		—		2 to 18	B
		BP205		2 to 18	A
		—		—	—
—		—		2 to 18	B
		BP305S		2 to 18	B
		—		2 to 18	B
		BP305		2 to 18	B
	—		2 to 18	B	

## Applicable Terminal Covers

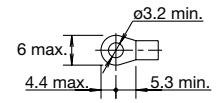
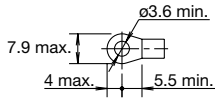
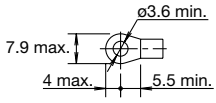
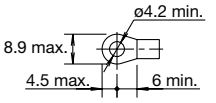
Shape	Terminal Centers	No. of Poles																		
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
BP1	7.62	A																		
	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	A																		
	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BP2	7.62	A																		
	9.5	B																		
	10	A																		
	11	B																		
BP3	7.62	B																		
	9.5	B																		
	10	B																		
	11	B																		

A : No. of poles for which terminal cover type A is available (see illustrations on the right).  
 B : No. of poles for which terminal cover type B is available (see illustrations on the right).  
 / : Not available  
 - : No. of poles available (terminal covers are not available).

## Terminal Cover Types

Terminal Cover Type	Appearance
A	<ul style="list-style-type: none"> <li>• Hinged Terminal Cover (BPA-CA□SP, -CA□P)</li> </ul> 
B	<ul style="list-style-type: none"> <li>• Removable Terminal Cover (BPA-C1)</li> </ul> 

## Common Specifications (BP1 to BP3)

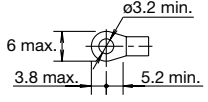
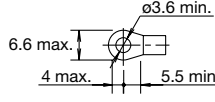
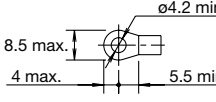
Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm (Note 3)	L = 11 mm
Rated Insulation Voltage	250V			
Rated Current	10A (Note 1)	15A (Note 2)	20A	
Terminal Screw	M3	M3.5	M4	
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	1.4 to 2.0 N·m	
Connectable Wire	Screw Terminal	0.75 to 1.25 mm <sup>2</sup> × 2	0.75 to 2 mm <sup>2</sup> × 2	0.75 to 3.5 mm <sup>2</sup> × 2
	Solder Terminal	1.25 mm <sup>2</sup> max.	2 mm <sup>2</sup> max.	3.5 mm <sup>2</sup> max.
	Tab Terminal	1.25 mm <sup>2</sup> max.	1.25 mm <sup>2</sup> max.	—
Insulation Resistance	100 MΩ minimum (between live parts and between live and grounded parts)			
Dielectric Strength	2,000V AC, 1 minute			
Impulse Withstand Voltage	4,000V DC (standard wave 1 × 40 μsec)			
Temperature Rise	45 deg maximum			
Vibration Resistance	50 m/s <sup>2</sup>			
Shock Resistance	1,000 m/s <sup>2</sup>			
Operating Temperature	-10 to +55°C (no freezing)			
Operating Humidity	45 to 85% RH (no condensation)			
Storage Temperature	-40 to +80°C (no freezing)			
Soldering Temperature	Within 5 sec at 260°C (flow soldering) Within 5 sec with a 60W soldering iron at 350°C (manual soldering)			
Body Color	Black (approx. N1.5)			
Weight (Approx.)	40g (20-pole)	72g (20-pole)	80g (20-pole)	122g (20-pole)
Applicable Crimping Terminal				

Note 1 : 6A for the rear tab terminal model

Note 2 : 10A for the rear tab terminal model

Note 3 : BP101V model has the same specifications as the 10-mm model.

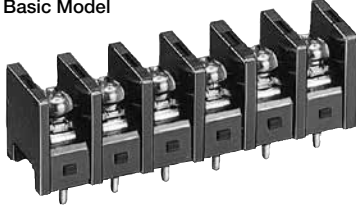
## Common Specifications (BL2 series Double-deck Terminal Blocks)


Terminal Centers	7.62 mm	8.5 mm	10 mm
Rated Insulation Voltage	250V		
Rated Current	10A	15A	20A
Terminal Screw	M3	M3.5	M4
Connectable Wire	Screw Terminal	0.75 to 1.25 mm <sup>2</sup> × 2 max.	
		0.75 to 2 mm <sup>2</sup> × 2 max.	0.75 to 3.5 mm <sup>2</sup> × 2 max.
Insulation Resistance	100 MΩ minimum (between live parts and between live and grounded parts)		
Dielectric Strength	2,000V AC, 1 minute		
Impulse Withstand Voltage	4,000V DC (standard wave 1 × 40 μsec)		
Temperature Rise	45 degree C maximum		
Vibration Resistance	50 m/s <sup>2</sup>		
Shock Resistance	1000 m/s <sup>2</sup>		
Operating Temperature	-10 to +55°C (no freezing)		
Operating Humidity	45 to 85% RH (no condensation)		
Storage Temperature	-40 to +80°C (no freezing)		
Soldering Temperature	Within 5 sec at 260°C (flow soldering) Within 5 sec with a 60W soldering iron at 350°C (manual soldering)		
Body Color	Black (approx. N1.5)		
Weight (Approx.)	105g (34-pole)	130g (34-pole)	150g (34-pole)
Applicable Crimping Terminal			


## Material Composition (BP1 to BP3)

Parts Name	Material (Treatment)
Body	PBT, UL94 V-0
Terminal Fitting	Brass (tin-plated)
Terminal Screw	Copper (nickel-plated)

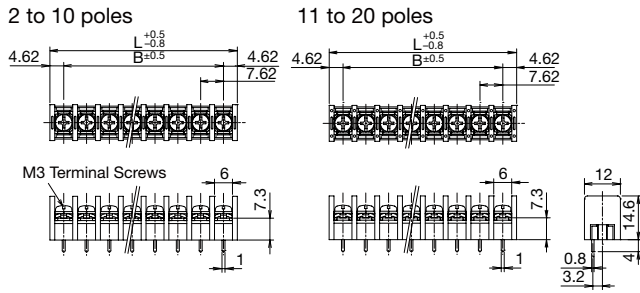
# PC Board Terminal Blocks

<b>BP1</b> Basic Model 	Terminal Centers 7.62 mm	BP101S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>M = 9.5 mm</td> <td>10 mm</td> <td>L = 11 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="4">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> <td colspan="2">20A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> <td colspan="2">M4</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td colspan="2">1.0 to 1.3 N·m</td> <td>1.4 to 2.0 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 20</td> <td>2 to 20</td> <td>2 to 20</td> <td>2 to 20</td> </tr> <tr> <td>Terminal Cover Type</td> <td>A</td> <td>-</td> <td>A</td> <td>-</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm	L = 11 mm	Insulation Voltage	250V				Rated Current	10A	15A	20A		Terminal Screw	M3	M3.5	M4		Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m	No. of Poles (P)	2 to 20	2 to 20	2 to 20	2 to 20	Terminal Cover Type	A	-	A	-
	Terminal Centers	S = 7.62 mm		M = 9.5 mm	10 mm	L = 11 mm																																
	Insulation Voltage	250V																																				
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Terminal Screw	M3	M3.5	M4																																			
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m																																		
No. of Poles (P)	2 to 20	2 to 20	2 to 20	2 to 20																																		
Terminal Cover Type	A	-	A	-																																		
Terminal Centers 9.5 mm	BP101M																																					
Terminal Centers 10 mm	BP101																																					
Terminal Centers 11 mm	BP101L																																					

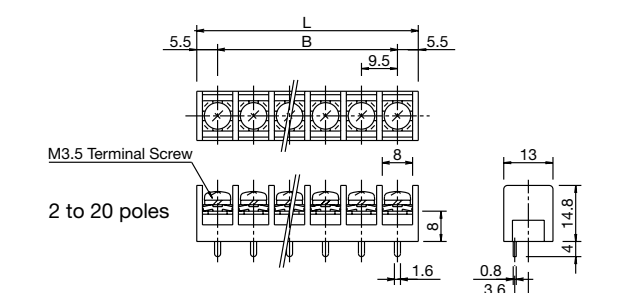
Terminal Centers **7.62 mm** / **BP101S-□** 

Terminal Centers **9.5 mm** / **BP101M-□** 

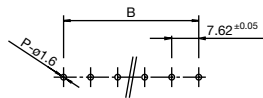
## Dimensions



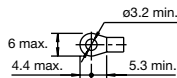
## Dimensions



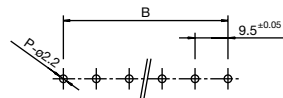
## PC Board Drilling Layout (P: No. of Poles)



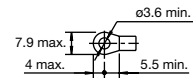
## Applicable Crimping Terminal





## PC Board Drilling Layout (P: No. of Poles)



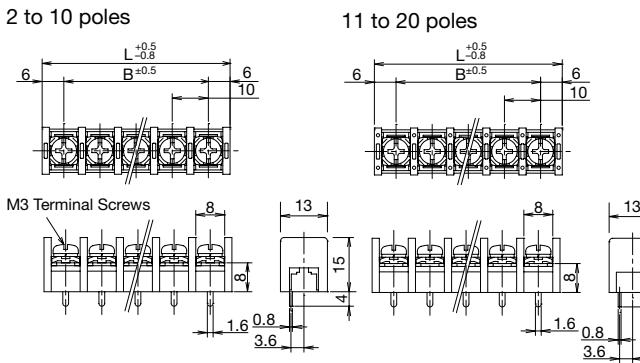
## Applicable Crimping Terminal



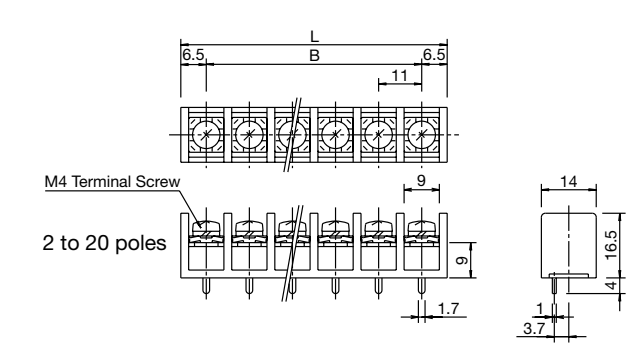
Terminal Centers **10 mm** / **BP101-□** 

Terminal Centers **11 mm** / **BP101L-□** 

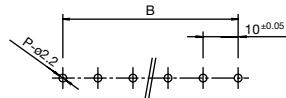
## Dimensions



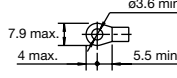
## Dimensions



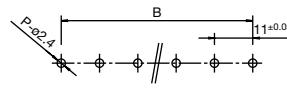
## PC Board Drilling Layout (P: No. of Poles)



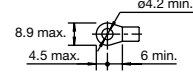
## Applicable Crimping Terminal



## PC Board Drilling Layout (P: No. of Poles)



## Applicable Crimping Terminal



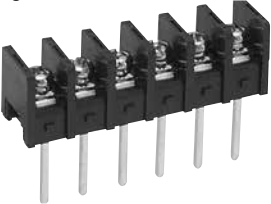
## Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP101S	L $\begin{smallmatrix} +0.5 \\ -0.8 \end{smallmatrix}$	$7.62 \times (P - 1) + 9.24$
	B $\pm 0.5$	$7.62 \times (P - 1)$
BP101	L $\begin{smallmatrix} +0.5 \\ -0.8 \end{smallmatrix}$	$10 \times (P - 1) + 12$
	B $\pm 0.5$	$10 \times (P - 1)$

## Dimension Formula

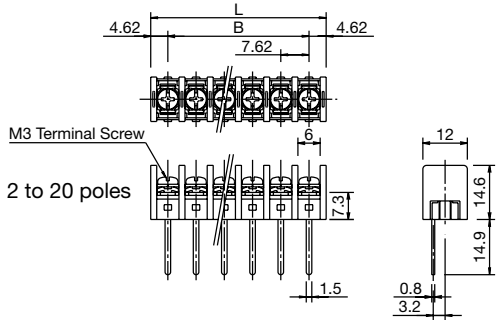
Part No.	Dimension	Formula (P: No. of Poles)
BP101M	L $\begin{smallmatrix} +0.5 \\ -0.8 \end{smallmatrix}$	$9.5 \times (P - 1) + 11$
	B $\pm 0.5$	$9.5 \times (P - 1)$
BP101L	L $\begin{smallmatrix} +0.5 \\ -0.8 \end{smallmatrix}$	$11 \times (P - 1) + 13$
	B $\pm 0.5$	$11 \times (P - 1)$

# PC Board Terminal Blocks

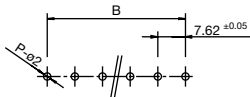
<b>BP1</b> Straight Model 	Terminal Centers 7.62 mm	BP111S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>M = 9.5 mm</td> <td>10 mm</td> <td>L = 11 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="4">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> <td colspan="2">20A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> <td colspan="2">M4</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td colspan="2">1.0 to 1.3 N·m</td> <td>1.4 to 2.0 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 20</td> <td>2 to 20</td> <td>2 to 20</td> <td>2 to 21</td> </tr> <tr> <td>Terminal Cover Type</td> <td>A</td> <td>-</td> <td>A</td> <td>-</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm	L = 11 mm	Insulation Voltage	250V				Rated Current	10A	15A	20A		Terminal Screw	M3	M3.5	M4		Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m	No. of Poles (P)	2 to 20	2 to 20	2 to 20	2 to 21	Terminal Cover Type	A	-	A	-
	Terminal Centers	S = 7.62 mm		M = 9.5 mm	10 mm	L = 11 mm																																
	Insulation Voltage	250V																																				
	Rated Current	10A		15A	20A																																	
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Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m																																		
No. of Poles (P)	2 to 20	2 to 20	2 to 20	2 to 21																																		
Terminal Cover Type	A	-	A	-																																		
Terminal Centers 9.5 mm	BP111M																																					
Terminal Centers 10 mm	BP111																																					
Terminal Centers 11 mm	BP111L																																					

Terminal Centers 7.62 mm	BP111S-□	M3
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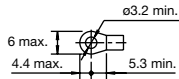
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)

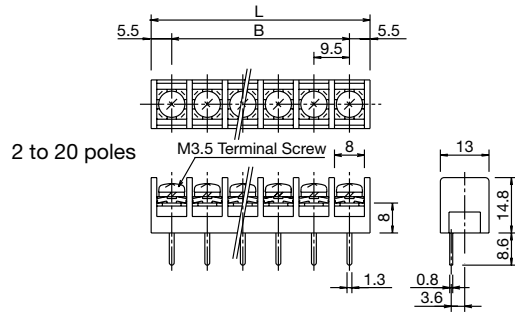


## Applicable Crimping Terminal

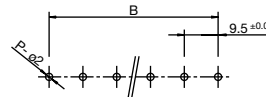


Terminal Centers 9.5 mm	BP111M-□□	M3.5
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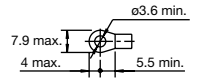
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)

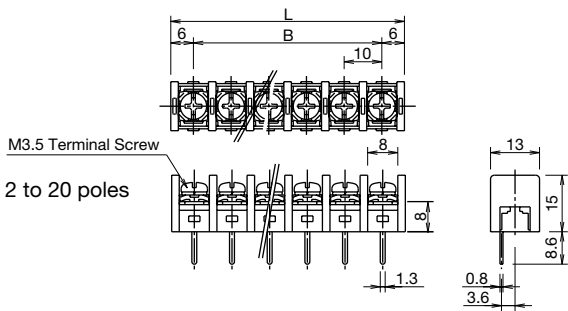


## Applicable Crimping Terminal

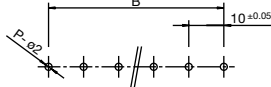


Terminal Centers 10 mm	BP111-□	M3.5
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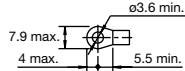
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)

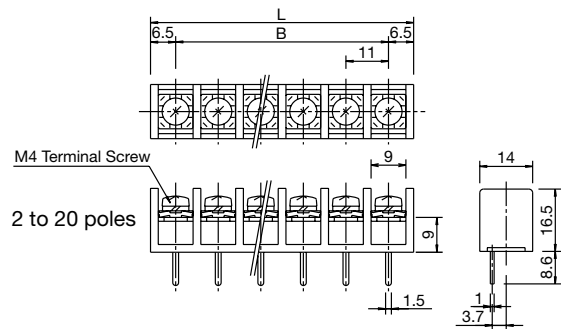


## Applicable Crimping Terminal

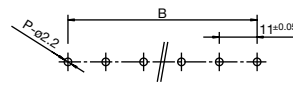


Terminal Centers 11 mm	BP111L-□	M4
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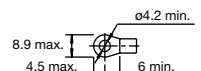
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)



## Applicable Crimping Terminal




## Dimension Formula


Part No.	Dimension	Formula (P: No. of Poles)
BP111S	$L_{\pm 0.5}^{-0.8}$	$7.62 \times (P - 1) + 9.24$
	$B_{\pm 0.5}$	$7.62 \times (P - 1)$
BP111 BP112	$L_{\pm 0.5}^{-0.8}$	$10 \times (P - 1) + 12$
	$B_{\pm 0.5}$	$10 \times (P - 1)$


## Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP111M BP112M	$L_{\pm 0.5}^{-0.8}$	$9.5 \times (P - 1) + 11$
	$B_{\pm 0.5}$	$9.5 \times (P - 1)$
BP111L	$L_{\pm 0.5}^{-0.8}$	$11 \times (P - 1) + 13$
	$B_{\pm 0.5}$	$11 \times (P - 1)$

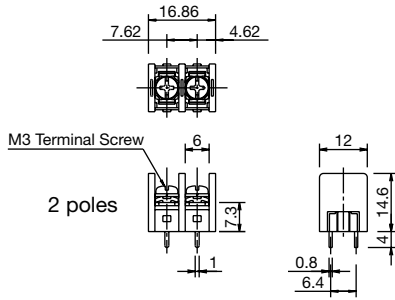
# PC Board Terminal Blocks

<b>BP1</b> Bridge Model 	Terminal Centers 7.62 mm	BP100S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>10 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="2">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td>1.0 to 1.3 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td colspan="2">2 poles only</td> </tr> <tr> <td>Terminal Cover Type</td> <td colspan="2">A</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	10 mm	Insulation Voltage	250V		Rated Current	10A	15A	Terminal Screw	M3	M3.5	Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	No. of Poles (P)	2 poles only		Terminal Cover Type	A	
	Terminal Centers	S = 7.62 mm		10 mm																				
Insulation Voltage	250V																							
Rated Current	10A	15A																						
Terminal Screw	M3	M3.5																						
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m																						
No. of Poles (P)	2 poles only																							
Terminal Cover Type	A																							
Terminal Centers 10 mm	BP100																							

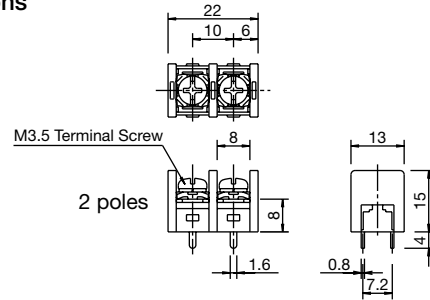
Terminal Centers 7.62 mm	BP100S-2	
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Terminal Centers 10 mm	BP100-2	
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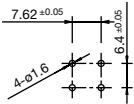
### Dimensions



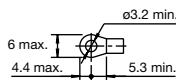
### Dimensions



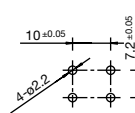
### PC Board Drilling Layout (P: No. of Poles)



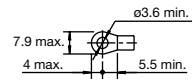
### Applicable Crimping Terminal





### PC Board Drilling Layout (P: No. of Poles)




### Applicable Crimping Terminal

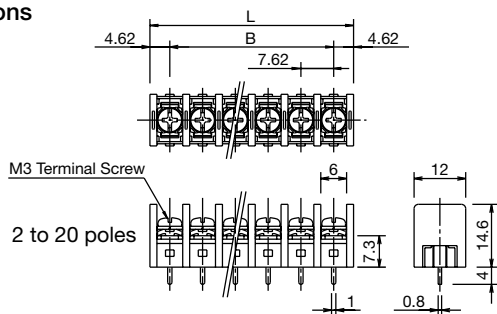


<b>BP1</b> Center Pin Model 	Terminal Centers 7.62 mm	BP105S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>10 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="2">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td>1.0 to 1.3 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td colspan="2">2 to 20</td> </tr> <tr> <td>Terminal Cover Type</td> <td colspan="2">A</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	10 mm	Insulation Voltage	250V		Rated Current	10A	15A	Terminal Screw	M3	M3.5	Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	No. of Poles (P)	2 to 20		Terminal Cover Type	A	
	Terminal Centers	S = 7.62 mm		10 mm																				
Insulation Voltage	250V																							
Rated Current	10A	15A																						
Terminal Screw	M3	M3.5																						
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m																						
No. of Poles (P)	2 to 20																							
Terminal Cover Type	A																							
Terminal Centers 10 mm	BP105																							

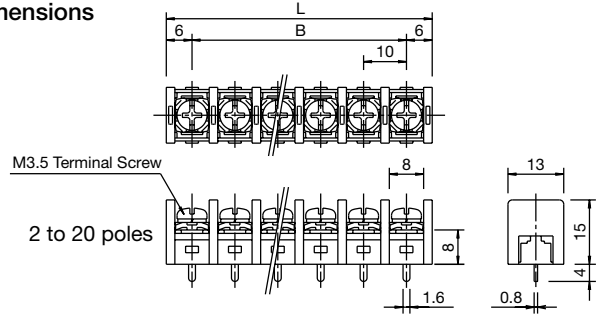
Terminal Centers 7.62 mm	BP105S-□	
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Terminal Centers 10 mm	BP105-□	
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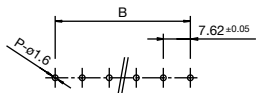
### Dimensions



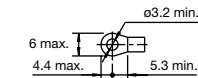
### Dimensions



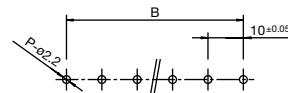
### PC Board Drilling Layout (P: No. of Poles)



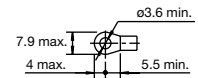
### Applicable Crimping Terminal



### PC Board Drilling Layout (P: No. of Poles)



### Applicable Crimping Terminal




### Dimension Formula


Part No.	Dimension	Formula (P: No. of Poles)
BP105S	L $\begin{smallmatrix} +0.5 \\ -0.8 \end{smallmatrix}$	$7.62 \times (P - 1) + 9.24$
	B $\pm 0.5$	$7.62 \times (P - 1)$

### Dimension Formula

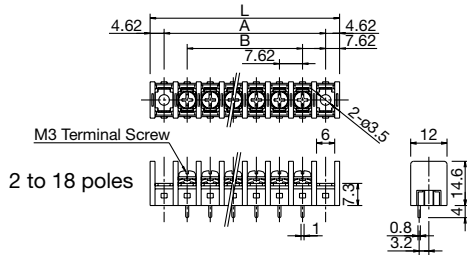
Part No.	Dimension	Formula (P: No. of Poles)
BP105	L $\begin{smallmatrix} +0.5 \\ -0.8 \end{smallmatrix}$	$10 \times (P - 1) + 12$
	B $\pm 0.5$	$10 \times (P - 1)$

# PC Board Terminal Blocks

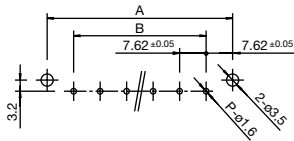
<b>BP2</b>  Basic Model 	Terminal Centers 7.62 mm	BP201S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>M = 9.5 mm</td> <td>10 mm</td> <td>L = 11 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="4">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> <td>20A</td> <td></td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> <td>M4</td> <td></td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td>1.0 to 1.3 N·m</td> <td>1.4 to 2.0 N·m</td> <td></td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> </tr> <tr> <td>Terminal Cover Type</td> <td>A</td> <td>B</td> <td>A</td> <td>B</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm	L = 11 mm	Insulation Voltage	250V				Rated Current	10A	15A	20A		Terminal Screw	M3	M3.5	M4		Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	1.4 to 2.0 N·m		No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18	Terminal Cover Type	A	B	A	B
	Terminal Centers	S = 7.62 mm		M = 9.5 mm	10 mm	L = 11 mm																																
	Insulation Voltage	250V																																				
	Rated Current	10A		15A	20A																																	
Terminal Screw	M3	M3.5	M4																																			
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	1.4 to 2.0 N·m																																			
No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18																																		
Terminal Cover Type	A	B	A	B																																		
Terminal Centers 9.5 mm	BP201M																																					
Terminal Centers 10 mm	BP201																																					
Terminal Centers 11 mm	BP201L																																					

Terminal Centers 7.62 mm	<b>BP201S</b> -□	
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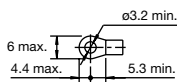
## Dimensions




## PC Board Drilling Layout (P: No. of Poles)

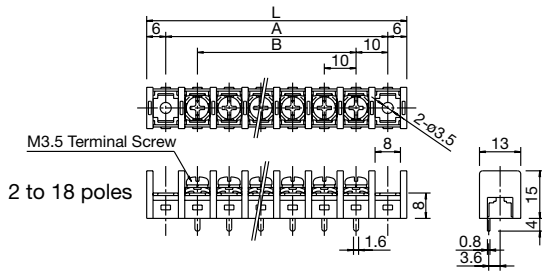


## Applicable Crimping Terminal

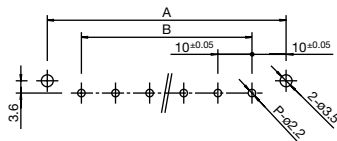


Terminal Centers 10 mm	<b>BP201</b> -□	
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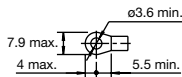
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)




## Applicable Crimping Terminal

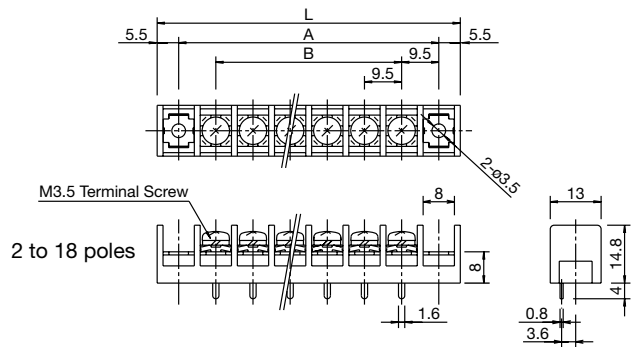


## Dimension Formula

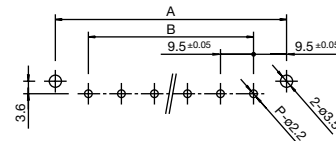
Part No.	Dimension	Formula (P: No. of Poles)
BP201S	L <sup>+0.5</sup> / <sub>-0.8</sub>	7.62 × (P + 1) + 9.24
	A <sup>±0.5</sup>	7.62 × (P + 1)
	B	7.62 × (P - 1)
BP201	L <sup>+0.5</sup> / <sub>-0.8</sub>	10 × (P + 1) + 12
	A <sup>±0.5</sup>	10 × (P + 1)
	B	10 × (P - 1)

Terminal Centers 9.5 mm	<b>BP201M</b> -□	
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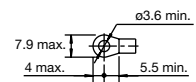
## Dimensions




## PC Board Drilling Layout (P: No. of Poles)

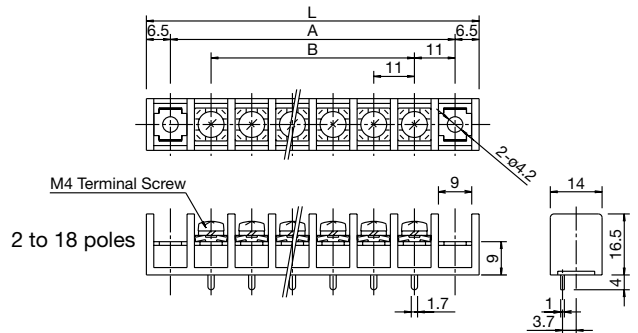


## Applicable Crimping Terminal

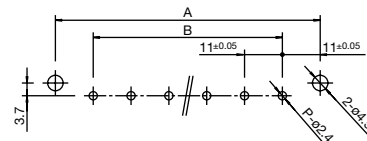


Terminal Centers 11 mm	<b>BP201L</b> -□	
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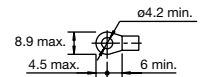
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)



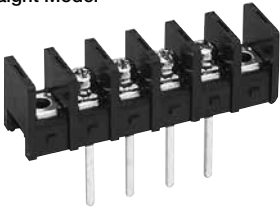
## Applicable Crimping Terminal





## Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP201M	L <sup>+0.5</sup> / <sub>-0.8</sub>	9.5 × (P + 1) + 11
	A <sup>±0.5</sup>	9.5 × (P + 1)
	B	9.5 × (P - 1)
BP201L	L <sup>+0.5</sup> / <sub>-0.8</sub>	11 × (P + 1) + 13
	A <sup>±0.5</sup>	11 × (P + 1)
	B	11 × (P - 1)

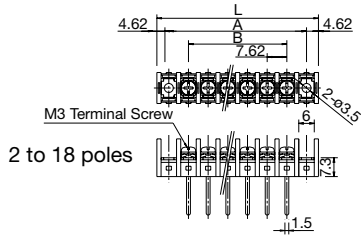
# PC Board Terminal Blocks

<b>BP2</b>  Straight Model  	Terminal Centers 7.62 mm	BP211S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>M = 9.5 mm</td> <td>10 mm</td> <td>L = 11 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="4">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> <td colspan="2">20A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td colspan="2">M3.5</td> <td>M4</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td colspan="2">1.0 to 1.3 N·m</td> <td>1.4 to 2.0 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> </tr> <tr> <td>Terminal Cover Type</td> <td>A</td> <td>B</td> <td>A</td> <td>B</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm	L = 11 mm	Insulation Voltage	250V				Rated Current	10A	15A	20A		Terminal Screw	M3	M3.5		M4	Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m	No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18	Terminal Cover Type	A	B	A	B
	Terminal Centers	S = 7.62 mm		M = 9.5 mm	10 mm	L = 11 mm																																
	Insulation Voltage	250V																																				
	Rated Current	10A		15A	20A																																	
Terminal Screw	M3	M3.5		M4																																		
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m																																		
No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18																																		
Terminal Cover Type	A	B	A	B																																		
Terminal Centers 9.5 mm	BP211M																																					
Terminal Centers 10 mm	BP211																																					
Terminal Centers 11 mm	BP211L																																					

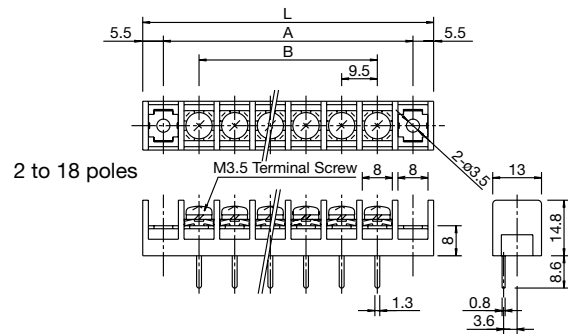
Terminal Centers **7.62 mm** / **BP211S-□** 

Terminal Centers **9.5 mm** / **BP211M-□** 

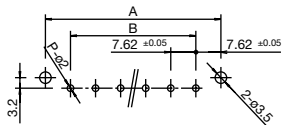
### Dimensions



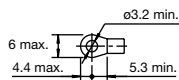
### Dimensions



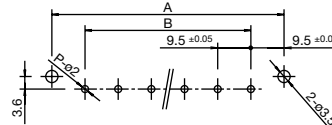
### PC Board Drilling Layout (P: No. of Poles)



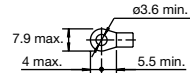
### Applicable Crimping Terminal





### PC Board Drilling Layout (P: No. of Poles)



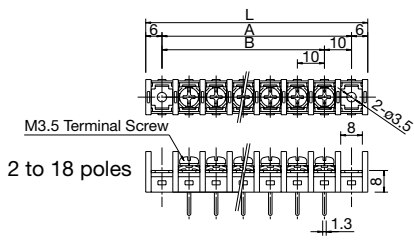
### Applicable Crimping Terminal



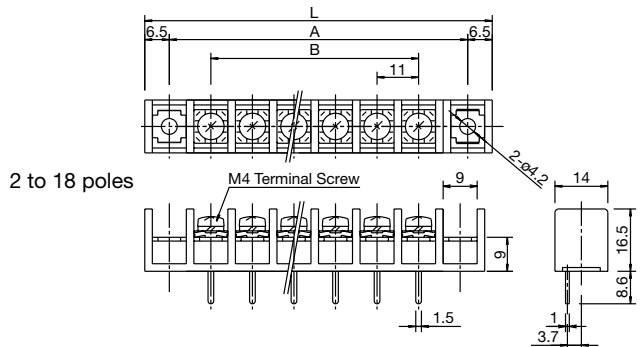
Terminal Centers **10 mm** / **BP211-□** 

Terminal Centers **11 mm** / **BP211L-□** 

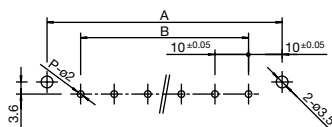
### Dimensions



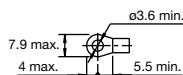
### Dimensions



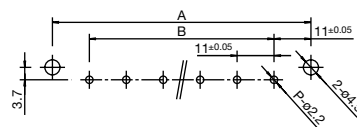
### PC Board Drilling Layout (P: No. of Poles)



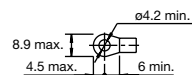
### Applicable Crimping Terminal



### PC Board Drilling Layout (P: No. of Poles)



### Applicable Crimping Terminal



### Dimension Formula


Part No.	Dimension	Formula (P: No. of Poles)
BP211S	L $^{+0.5}_{-0.8}$	$7.62 \times (P + 1) + 9.24$
	A $^{+0.5}$	$7.62 \times (P + 1)$
	B	$7.62 \times (P - 1)$
BP211	L $^{+0.5}_{-0.8}$	$10 \times (P + 1) + 12$
	A $^{+0.5}$	$10 \times (P + 1)$
	B	$10 \times (P - 1)$


### Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP211M	L $^{+0.5}_{-0.8}$	$9.5 \times (P + 1) + 11$
	A $^{+0.5}$	$9.5 \times (P + 1)$
	B	$9.5 \times (P - 1)$
BP211L	L $^{+0.5}_{-0.8}$	$11 \times (P + 1) + 13$
	A $^{+0.5}$	$11 \times (P + 1)$
	B	$11 \times (P - 1)$

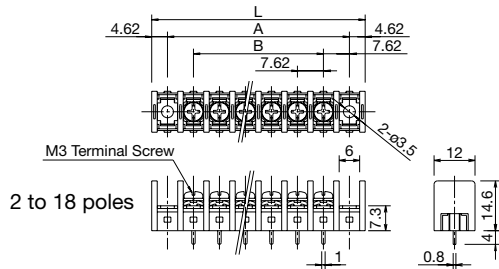



# PC Board Terminal Blocks

<b>BP2</b> Center Pin Model 	Terminal Centers 7.62 mm <b>BP205S</b>	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>10 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="2">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td>1.0 to 1.3 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 18</td> <td>2 to 18</td> </tr> <tr> <td>Terminal Cover Type</td> <td>A</td> <td>A</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	10 mm	Insulation Voltage	250V		Rated Current	10A	15A	Terminal Screw	M3	M3.5	Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	No. of Poles (P)	2 to 18	2 to 18	Terminal Cover Type	A	A
	Terminal Centers		S = 7.62 mm	10 mm																			
Insulation Voltage	250V																						
Rated Current	10A	15A																					
Terminal Screw	M3	M3.5																					
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m																					
No. of Poles (P)	2 to 18	2 to 18																					
Terminal Cover Type	A	A																					
Terminal Centers 10 mm <b>BP205</b>																							

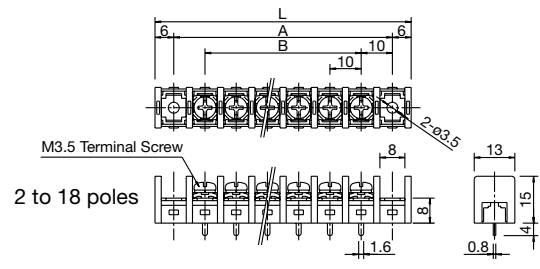
Terminal Centers 7.62 mm	<b>BP205S-□</b>	
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## Dimensions

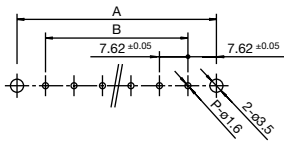


Terminal Centers 10 mm	<b>BP205-□</b>	
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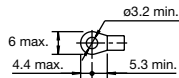
## Dimensions



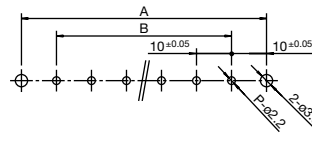
## PC Board Drilling Layout (P: No. of Poles)



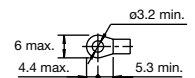
## Applicable Crimping Terminal



## PC Board Drilling Layout (P: No. of Poles)



## Applicable Crimping Terminal




## Dimension Formula


Part No.	Dimension	Formula (P: No. of Poles)
BP205S	L <sup>+0.5</sup> / <sub>-0.8</sub>	$7.62 \times (P + 1) + 9.24$
	A <sup>±0.5</sup>	$7.62 \times (P + 1)$
	B	$7.62 \times (P - 1)$


## Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP205	L <sup>+0.5</sup> / <sub>-0.8</sub>	$10 \times (P + 1) + 12$
	A <sup>±0.5</sup>	$10 \times (P + 1)$
	B	$10 \times (P - 1)$

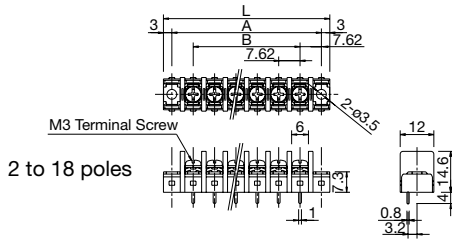
# PC Board Terminal Blocks

	Terminal Centers	7.62 mm	BP301S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>M = 9.5 mm</td> <td>10 mm</td> <td>L = 11 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="4">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> <td colspan="2">20A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> <td colspan="2">M4</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td>1.0 to 1.3 N·m</td> <td colspan="2">1.4 to 2.0 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> </tr> <tr> <td>Terminal Cover Type</td> <td colspan="4">B</td> </tr> </table> <p>Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).</p>	Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm	L = 11 mm	Insulation Voltage	250V				Rated Current	10A	15A	20A		Terminal Screw	M3	M3.5	M4		Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	1.4 to 2.0 N·m		No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18	Terminal Cover Type	B			
	Terminal Centers	S = 7.62 mm	M = 9.5 mm		10 mm	L = 11 mm																																	
	Insulation Voltage	250V																																					
	Rated Current	10A	15A		20A																																		
Terminal Screw	M3	M3.5	M4																																				
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	1.4 to 2.0 N·m																																				
No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18																																			
Terminal Cover Type	B																																						
Terminal Centers	9.5 mm	BP301M																																					
Terminal Centers	10 mm	BP301																																					
Terminal Centers	11 mm	BP301L																																					

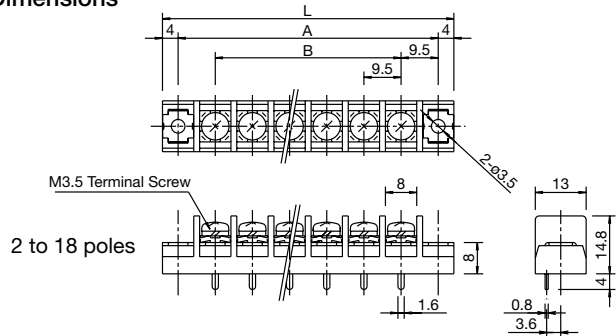
Terminal Centers **7.62 mm** / **BP301S-□** 

Terminal Centers **9.5 mm** / **BP301M-□** 

## Dimensions

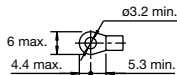
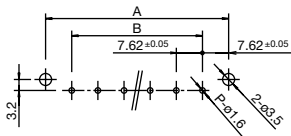


## Dimensions



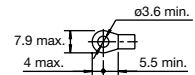
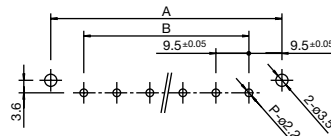
## PC Board Drilling Layout (P: No. of Poles)


## Applicable Crimping Terminal




## PC Board Drilling Layout (P: No. of Poles)

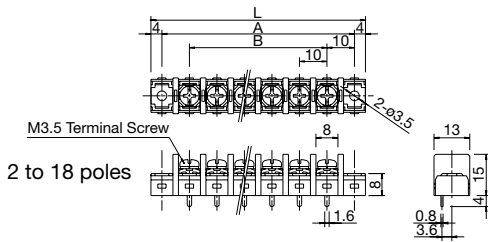
## Applicable Crimping Terminal



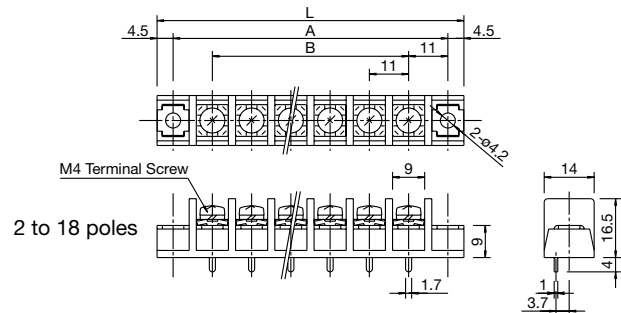
Terminal Centers **10 mm** / **BP301-□** 

Terminal Centers **11 mm** / **BP301L-□** 

## Dimensions

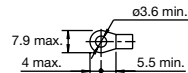
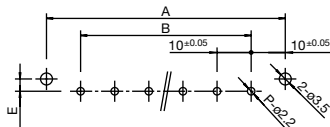


## Dimensions



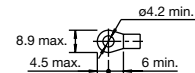
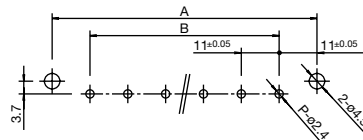
## PC Board Drilling Layout (P: No. of Poles)

## Applicable Crimping Terminal



## PC Board Drilling Layout (P: No. of Poles)

## Applicable Crimping Terminal



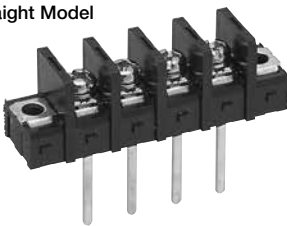
## Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP301S	L <sup>+0.8</sup> <sub>-0.3</sub>	7.62 × (P + 1) + 6
	A <sup>+0.5</sup>	7.62 × (P + 1)
	B	7.62 × (P - 1)
BP301	L <sup>+0.8</sup> <sub>-0.3</sub>	10 × (P + 1) + 8
	A <sup>+0.5</sup>	10 × (P + 1)
	B	10 × (P - 1)

## Dimension Formula

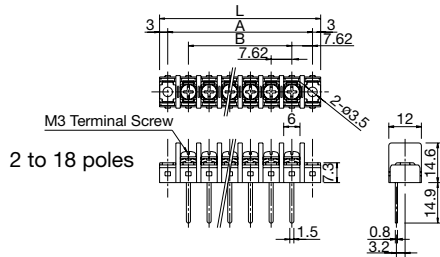
Part No.	Dimension	Formula (P: No. of Poles)
BP301M	L <sup>+0.8</sup> <sub>-0.3</sub>	9.5 × (P + 1) + 8
	A <sup>+0.5</sup>	9.5 × (P + 1)
	B	9.5 × (P - 1)
BP301L	L <sup>+0.8</sup> <sub>-0.3</sub>	11 × (P + 1) + 9
	A <sup>+0.5</sup>	11 × (P + 1)
	B	11 × (P - 1)

# PC Board Terminal Blocks

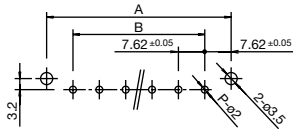
<b>BP3</b> Straight Model 	Terminal Centers 7.62 mm	BP311S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>M = 9.5 mm</td> <td>10 mm</td> <td>L = 11 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="4">250V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> <td colspan="2">20A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> <td colspan="2">M4</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td colspan="2">1.0 to 1.3 N·m</td> <td>1.4 to 2.0 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> <td>2 to 18</td> </tr> <tr> <td>Terminal Cover Type</td> <td colspan="4">B</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	M = 9.5 mm	10 mm	L = 11 mm	Insulation Voltage	250V				Rated Current	10A	15A	20A		Terminal Screw	M3	M3.5	M4		Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m	No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18	Terminal Cover Type	B			
	Terminal Centers	S = 7.62 mm		M = 9.5 mm	10 mm	L = 11 mm																																
	Insulation Voltage	250V																																				
	Rated Current	10A		15A	20A																																	
Terminal Screw	M3	M3.5	M4																																			
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m		1.4 to 2.0 N·m																																		
No. of Poles (P)	2 to 18	2 to 18	2 to 18	2 to 18																																		
Terminal Cover Type	B																																					
Terminal Centers 9.5 mm	BP311M																																					
Terminal Centers 10 mm	BP311																																					
Terminal Centers 11 mm	BP311L																																					

Terminal Centers 7.62 mm	BP311S-□	M3
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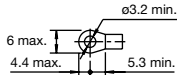
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)

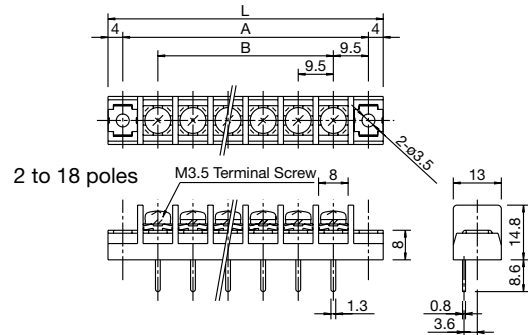


## Applicable Crimping Terminal

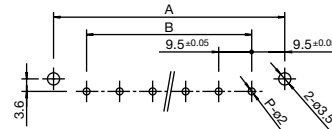


Terminal Centers 9.5 mm	BP311M-□	M3.5
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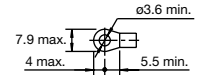
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)

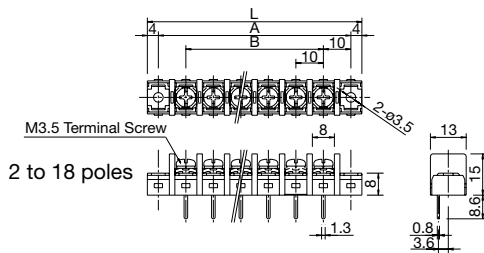


## Applicable Crimping Terminal

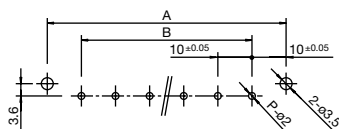


Terminal Centers 10 mm	BP311-□	M3.5
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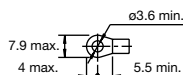
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)

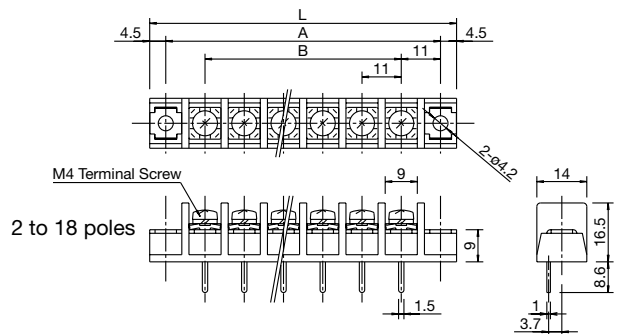


## Applicable Crimping Terminal

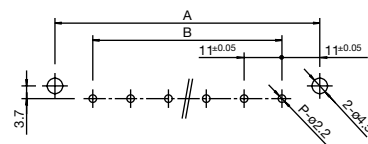


Terminal Centers 11 mm	BP311L-□	M4
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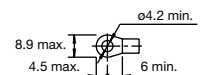
## Dimensions



## PC Board Drilling Layout (P: No. of Poles)



## Applicable Crimping Terminal




## Dimension Formula


Part No.	Dimension	Formula (P: No. of Poles)
BP311S	L	$7.62 \times (P + 1) + 6$
	A	$7.62 \times (P + 1)$
	B	$7.62 \times (P - 1)$
BP311	L	$10 \times (P + 1) + 8$
	A	$10 \times (P + 1)$
	B	$10 \times (P - 1)$


## Dimension Formula

Part No.	Dimension	Formula (P: No. of Poles)
BP311M	L	$9.5 \times (P + 1) + 8$
	A	$9.5 \times (P + 1)$
	B	$9.5 \times (P - 1)$
BP311L	L	$11 \times (P + 1) + 9$
	A	$11 \times (P + 1)$
	B	$11 \times (P - 1)$

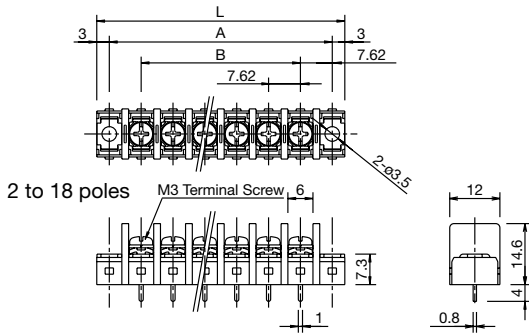
# PC Board Terminal Blocks

<b>BP3</b> Center Pin Model 	Terminal Centers 7.62 mm	BP305S	<b>Specifications</b> <table border="1"> <tr> <td>Terminal Centers</td> <td>S = 7.62 mm</td> <td>10 mm</td> </tr> <tr> <td>Insulation Voltage</td> <td colspan="2">250 V</td> </tr> <tr> <td>Rated Current</td> <td>10A</td> <td>15A</td> </tr> <tr> <td>Terminal Screw</td> <td>M3</td> <td>M3.5</td> </tr> <tr> <td>Tightening Torque</td> <td>0.6 to 1.0 N·m</td> <td>1.0 to 1.3 N·m</td> </tr> <tr> <td>No. of Poles (P)</td> <td>2 to 18</td> <td>2 to 18</td> </tr> <tr> <td>Terminal Cover Type</td> <td colspan="2">B</td> </tr> </table> Note: For details of terminal cover types, see Applicable Terminal Covers (page 2).	Terminal Centers	S = 7.62 mm	10 mm	Insulation Voltage	250 V		Rated Current	10A	15A	Terminal Screw	M3	M3.5	Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	No. of Poles (P)	2 to 18	2 to 18	Terminal Cover Type	B	
	Terminal Centers	S = 7.62 mm		10 mm																				
Insulation Voltage	250 V																							
Rated Current	10A	15A																						
Terminal Screw	M3	M3.5																						
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m																						
No. of Poles (P)	2 to 18	2 to 18																						
Terminal Cover Type	B																							
Terminal Centers 10 mm	BP305																							

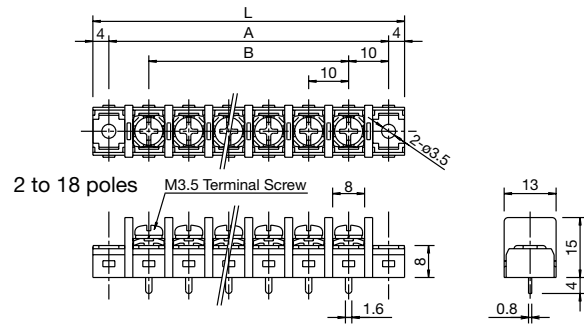
Terminal Centers 7.62 mm / BP305S-□ 

Terminal Centers 10 mm / BP305-□ 

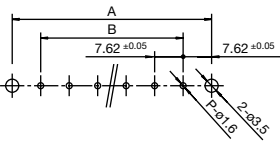
### Dimensions



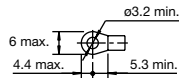
### Dimensions



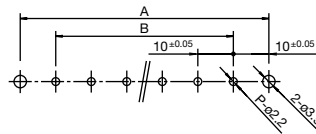
### PC Board Drilling Layout (P: No. of Poles)



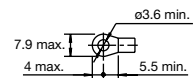
### Applicable Crimping Terminal



### PC Board Drilling Layout (P: No. of Poles)



### Applicable Crimping Terminal




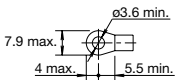
### Dimension Formula


Part No.	Dimension	Formula (P: No. of Poles)
BP305S	L <sup>+0.8</sup> / <sub>-0.3</sub>	$7.62 \times (P + 1) + 6$
	A <sup>±0.5</sup>	$7.62 \times (P + 1)$
	B	$7.62 \times (P - 1)$

### Dimension Formula

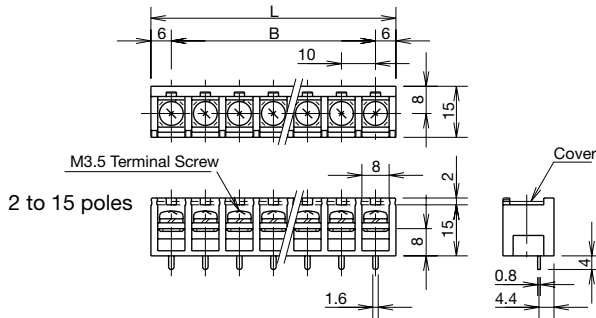
Part No.	Dimension	Formula (P: No. of Poles)
BP305	L <sup>+0.8</sup> / <sub>-0.3</sub>	$10 \times (P + 1) + 8$
	A <sup>±0.5</sup>	$10 \times (P + 1)$
	B	$10 \times (P - 1)$

# PC Board Terminal Blocks

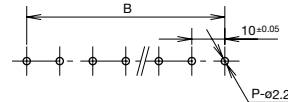
	Part No.	<b>BP101V</b>	Space-saving terminal block with rear barrier to ensure proper insulation distance <ul style="list-style-type: none"> <li>• Barrier on the back of the body ensures insulation distance.</li> <li>• Space saving.</li> <li>• Optional cover fastens to the body without using mounting lug.</li> </ul>
	Terminal Centers	10 mm	
	Insulation Voltage	250V	
	Rated Current	15A	
	Terminal Screw	M3.5	
	Tightening Torque	2 to 15	
Applicable Crimping Terminal			

Terminal Centers	<b>10 mm</b>	<b>BP101V-□</b>	
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## Dimensions



## PC Board Drilling Layout (P: No. of Poles)




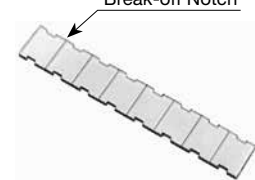


## Dimension List (mm)


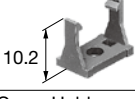
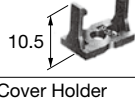
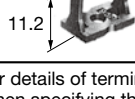
No. of Poles	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L <sub>±0.5</sub>	22	32	42	52	62	72	82	92	102	112	122	132	142	152
B <sub>±0.5</sub>	10	20	30	40	50	60	70	80	90	100	110	120	130	140

Note: The optional cover is made to fit a 15-pole structure; cut the cover to fit the No. of Poles needed.

## Accessories

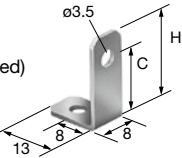
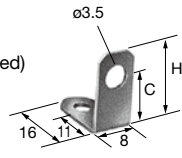
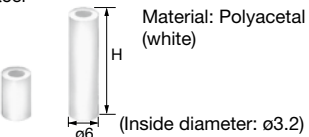

	Name	Part No.	Specification	Applicable Terminal Block	Remarks
Type A	Hinged Terminal Cover 	BPA-CA□S	Terminal Centers 7.62 mm	All BP1 series (terminal centers 7.62 mm), 2 to 20-pole only All BP2 series (terminal centers 7.62 mm), 2 to 18-pole only (Note 1)	Use cover supports to hold the cover. The cover is hinged, for easy checking of terminal numbers regardless of whether the cover is open or not. A marking strip is supplied. Specify the number of poles in place of □ in the Part No. (Note 2)
	Material: Polycarbonate (transparent), UL94-V2	BPA-CA□	Terminal Centers 10 mm	All BP1 series (terminal centers 10 mm), 2 to 20-pole only All BP2 series (terminal centers 10 mm), 2 to 18-pole only (Note 1)	
	Cover Support 	BPA-EA1	—	All BP1 series (terminal centers 7.62 mm or 10 mm), 2 to 20-pole All BP2 series (terminal centers 7.62 mm or 10 mm), 2 to 18-pole	A cover support is needed on each end of the terminal block to fasten the cover (two pieces in total). Be sure to order the cover supports when using the hinged terminal cover.
	Material: Polyacetal (black)				
Type B	Marking Strip 	BPA-MA1S (12 poles) BPA-MA2S (20 poles)	Terminal Centers 7.62 mm	All BP1 series (terminal centers 7.62 mm), 2 to 20-pole only All BP2 series (terminal centers 7.62 mm), 2 to 18 pole only	A marking strip comes standard with a terminal cover; extra marking strips can be ordered as required. The marking strip can be cut so as to cover the entire terminal block as required.
		BPA-MA1 (12 poles) BPA-MA2 (20 poles)	Terminal Centers 10 mm	All BP1 series (terminal centers 10 mm), 2 to 20-pole only All BP2 series (terminal centers 10 mm), 2 to 18-pole only	
	Removable Terminal Cover 	BPA-C1S	Length: 244 Width: 12 Thickness: 1	BP201S, BP211S, BP221S, BP241S, and BP251S, 19 to 21-pole and 25-pole only All BP3 series (terminal centers 7.62 mm) (Note 1)	This cover is 32-poles long and can be cut as required. Cover length calculation (P: No. of poles) (P + 2) × 7.62 mm
	Material: Polycarbonate (transparent), UL94-V2	BPA-C1	Length: 270 Width: 13 Thickness: 1	BP201, BP211, BP212, BP221, BP225, BP226, BP241, and BP251, 19 to 21-pole only All BP3 series (terminal centers 10 mm) (Note 1)	This cover is 27-poles long and can be cut as required. Cover length calculation (P: No. of poles) (P + 2) × 10 mm
	BPA-C1M	Length: 256 Width: 13 Thickness: 1	All BP2 and BP3 series (terminal centers 9.5 mm) (Note 1)	This cover is 27-poles long and can be cut as required. Cover length calculation (P: No. of poles) (P + 2) × 9.5 mm	
	BPA-C1L	Length: 264 Width: 14 Thickness: 1	All BP2 and BP3 series (terminal centers 11 mm) (Note 1)	This cover is 24-poles long and can be cut as required. Cover length calculation (P: No. of poles) (P + 2) × 11 mm	

# PC Board Terminal Blocks

Name		Part No.	Specification	Applicable Terminal Block	Remarks
Type B	Cover Holder  Material: Polyacetal (black) 10.5	BPA-E1S	—	All BP3 series (terminal centers 7.62 mm)	Used to hold removable terminal covers; use on both ends of the terminal block.
	Cover Holder  Material: Polyacetal (black) 10.2	BPA-E1	—	All BP3 series (terminal centers 10 mm)	
	Cover Holder  Material: Polyacetal (black) 10.5	BPA-E1M	—	All BP2 and BP3 series (terminal centers 9.5 mm)	
	Cover Holder  Material: Polyacetal (black) 11.2	BPA-E1L	—	All BP2 and BP3 series (terminal centers 11 mm)	

Note 1: For details of terminal cover types, see Applicable Terminal Covers (page 2).

Note 2: When specifying the Number of Poles for a BP2 terminal block, add two to the Number of Poles in the Part No. of the BP2 terminal block.

Name		Part No.	Specification	Applicable Terminal Block	Remarks
Right-angle Clip Material: Steel (black nickel-plated)  Thickness: 1t	BPF-L1	H = 14 C = 9	BP221, BP221M, BP321, BP321M	Used to mount right-angle model terminal blocks to a printed circuit board.	
Right-angle Clip Material: Steel (black nickel-plated)  Thickness: 1t	BPF-L7	H = 12 C = 7	BP221L, BP321L		
Spacer Material: Polyacetal (white)  (Inside diameter: $\phi 3.2$ )	BPA-S1	H = 4	BP111M, BP111, BP111L, BP211, BP211M, BP211L, BP311, BP311M, BP311L	Used to suspend straight model terminal blocks over a printed circuit board.	
	BPA-S4	H = 10	BP111S, BP211S, BP311S		
Cover  Material: Polycarbonate (transparent)	BPA-C2	Length: 250 Width: 15 Thickness: 1t	BP101V	This cover is 25-poles long and can be cut as required.	

## Jumpers for 6 poles (Material: Nickel-plated Brass) Note: Jumpers for more than 6 poles are not available.

Terminal Centers	Shape	Insulation Sheath	Part No.	Dimensions (mm)	Rated Current	Applicable Terminal Block	Remarks
7.62 mm	Ring	Without	BPJ-26		10A	All BP1 to BP3 (terminal centers 7.62 mm) BL2B-T □ 1C BL2B-S □ 1C	
		With	BPJ-26B				
	Spade	Without	BPJ-26F				
		With	BPJ-26FB				
9.5 mm	Ring	Without	BPJ-36		15A	All BP1 to BP3 (terminal centers 9.5 mm)	
		With	BPJ-36B				
	Spade	Without	BPJ-36F				
		With	BPJ-36FB				
10 mm	Ring	Without	BPJ-46		15A	All BP1 to BP3 (terminal centers 10 mm) BL2E-S □ 1C, BP101V	Ring   Spade   Used for jumper wiring. These jumpers are for 6-pole terminal blocks and can be cut as required.
		With	BPJ-46B				
	Spade	Without	BPJ-46F				
		With	BPJ-46FB				
11 mm	Ring	Without	BPJ-56		20A	All BP1 to BP3 (terminal centers 11 mm)	
		With	BPJ-56B				
	Spade	Without	BPJ-56F				
		With	BPJ-56FB				
8.5 mm	Ring	Without	BNJ36		15A	BL2C-T □ 1C, BL2C-S □ 1C	
		With	BNJ36B				
	Spade	Without	BNJ36F				
		With	BNJ36FB				

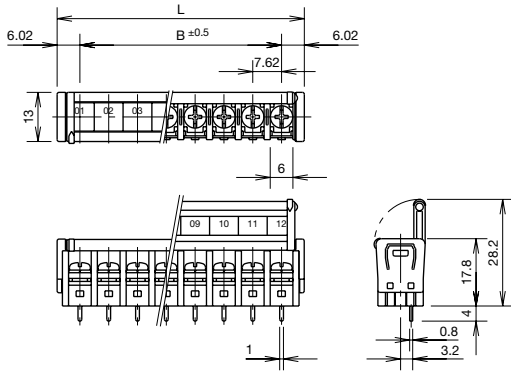
Note 1: The color of the insulation sheath is black.

Note 2: Ensure that the total current to the jumper does not exceed the rated current.

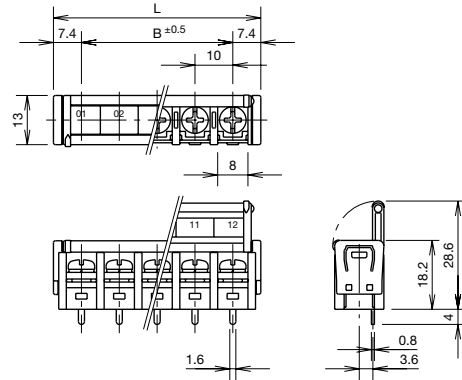
# PC Board Terminal Blocks

## Dimensions with a Type A Cover (Hinged Terminal Cover) Attached

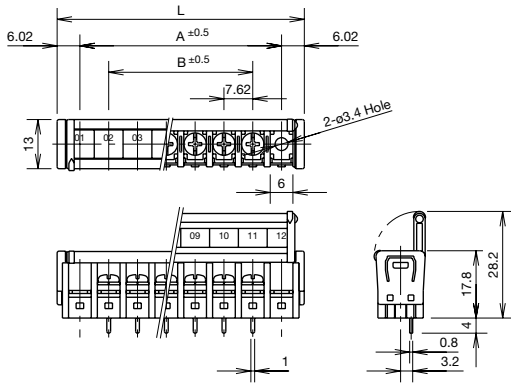
Terminal Centers 7.62 mm/Basic Model Terminal (BP101S-□)



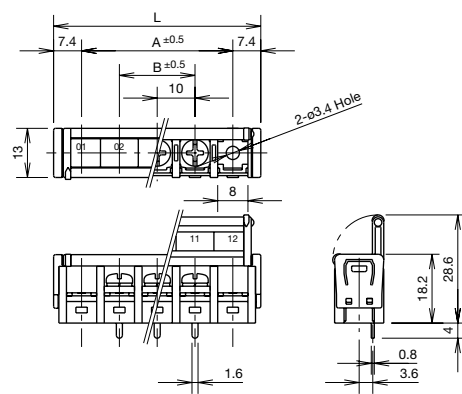
Terminal Centers 10 mm/Basic Model Terminal (BP101-□)



(BP201S-□)



(BP201-□)



### Dimension List (mm)

Part No.	No. of Poles (P)	2	3	4	5	6	7	8	9	10	Formula
BP101S	L	19.66	27.28	34.9	42.52	50.14	57.76	65.38	73	80.62	$7.62 \times (P - 1) + 12.04$
	B	7.62	15.24	22.86	30.48	38.1	45.72	53.34	60.96	68.58	$7.62 \times (P - 1)$
BP101	L	24.8	34.8	44.8	54.8	64.8	74.8	84.8	94.8	104.8	$10 \times (P - 1) + 14.8$
	B	10	20	30	40	50	60	70	80	90	$10 \times (P - 1)$
BP201S	L	34.9	42.52	50.14	57.76	65.38	73	80.62	88.24	95.86	$7.62 \times (P + 1) + 12.04$
	A	22.86	30.48	38.1	45.72	53.34	60.96	68.58	76.2	83.82	$7.62 \times (P + 1)$
	B	7.62	15.24	22.86	30.48	38.1	45.72	53.34	60.96	68.58	$7.62 \times (P - 1)$
BP201	L	44.8	54.8	64.8	74.8	84.8	94.8	104.8	114.8	124.8	$10 \times (P + 1) + 14.8$
	A	30	40	50	60	70	80	90	100	110	$10 \times (P + 1)$
	B	10	20	30	40	50	60	70	80	90	$10 \times (P - 1)$

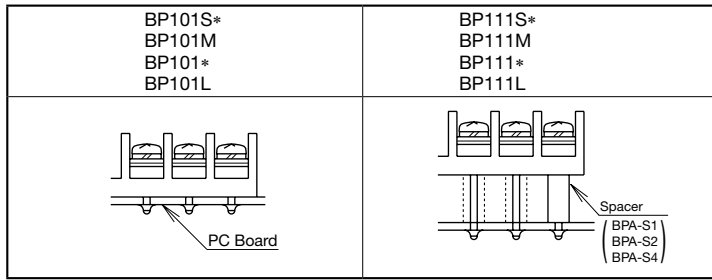
Note 1: Dimensions of models other than above basic model terminals are identical except for dimensions of the terminal fittings.

Note 2: See page 2 for the terminal blocks on which Type A cover can be attached.



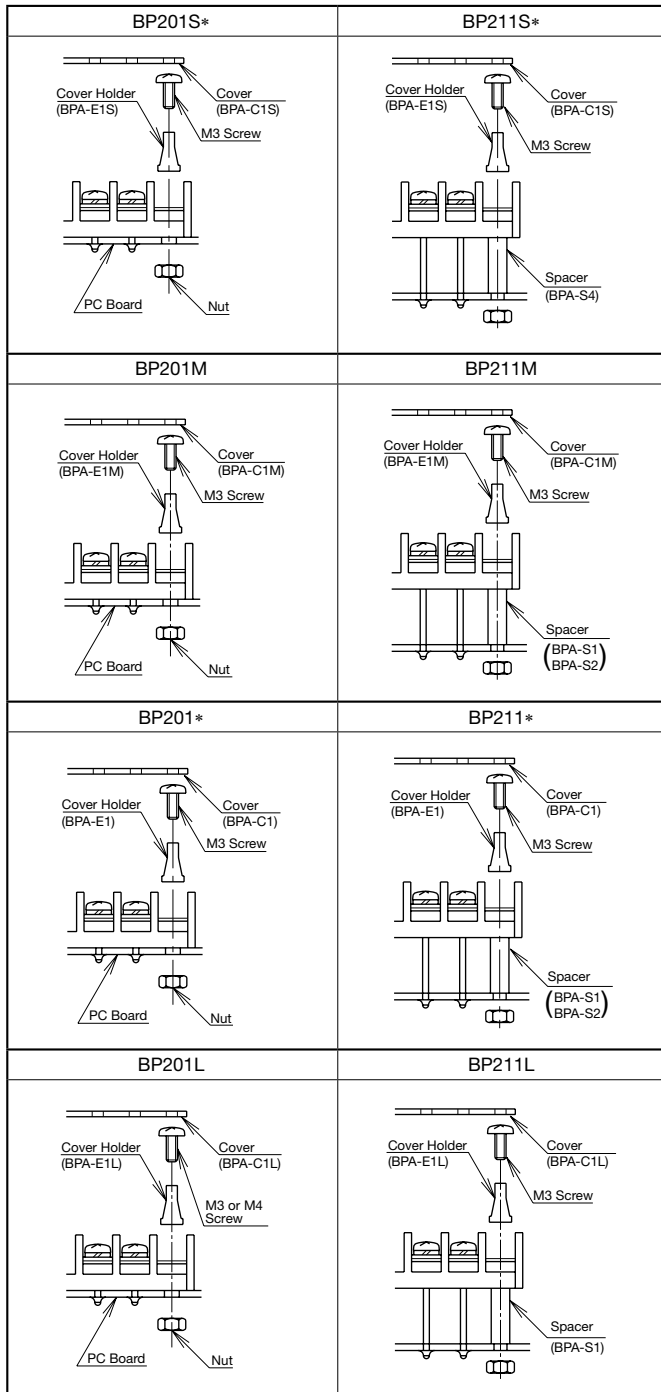
## Mounting Method (BP1 and BP2)

### BP1



\* Type A cover can be attached. See page 2 for details.

### BP2 (when Type B cover is used)



Note 1: When a terminal cover is not used, cover holders are not required.

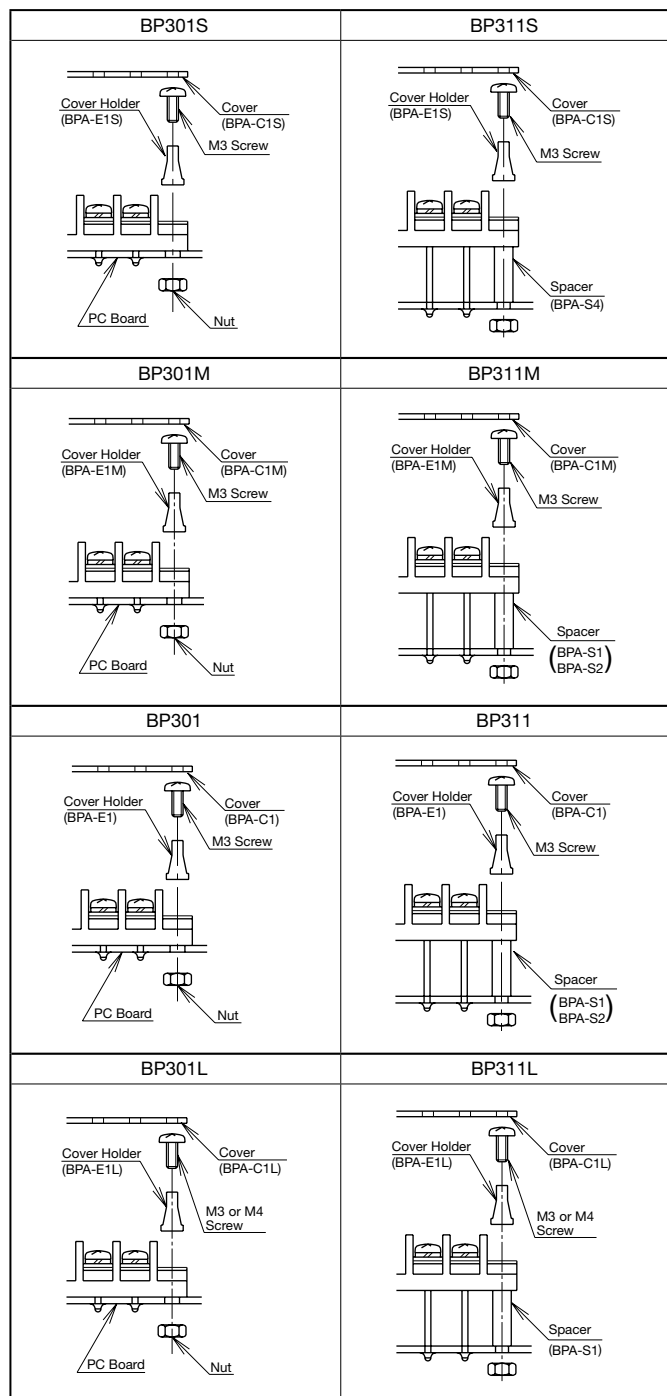
Note 2: When the mounting holes are tapped, nuts are not required.

Note 3: Type A cover can be used. See page 2 for details. For mounting, see page 19.

# PC Board Terminal Blocks

## Mounting Method (BP3)

BP3 (When Type B cover is used)



Note 1: When a terminal cover is not used, cover holders are not required.

Note 2: When the mounting holes are tapped, nuts are not required.

Note 3: Type A covers cannot be used.

## Safety Precautions

- Turn off power before installation, removal, wiring, maintenance, and inspection. Failure to turn off may cause electrical shocks or fire hazard.
- Be sure to use the terminal blocks within rated specifications, otherwise electrical shock and fire hazard may occur.
- For wiring, use wires of proper size to meet voltage and current requirements. Tighten the terminal screws to adequate tightening torque. Failure to tighten the terminal screws or imperfect soldering may cause overheating and fire.

## Instructions

### Notes on Wiring

For wiring to screw terminals, use wires of proper size to meet voltage and current requirements. Tighten the terminal screws to adequate tightening torque shown in the table below.

Terminal Block	Terminal Screw	Terminal Screws Torque Tightening
BP***S (terminal centers 7.62 mm) BL2B	M3	0.6 to 1.0 N·m (6.1 to 10.2 kgf·cm)
BP*** (terminal centers 10 mm) BP***M (terminal centers 9.5 mm) BP101V BL2C	M3.5	1.0 to 1.3 N·m (10.2 to 13.3 kgf·cm)
BP***L (terminal centers 11 mm) BL2E	M4	1.4 to 2.0 N·m (14.3 to 20.4 kgf·cm)

### Notes on Soldering

(For flow soldering)

Complete soldering to terminal fittings within five seconds at 260°C.

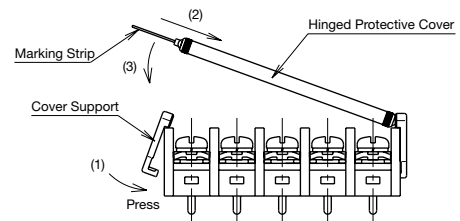
(For manual soldering)

Complete soldering to terminal fittings within five seconds at 360°C using a 60W soldering iron.

### Mounting a Hinged Terminal Cover (Type A)

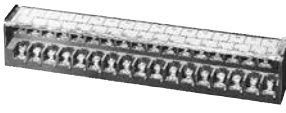
#### Mounting Method

- (1) With a cover support placed on the upper surface of the side of the terminal block, strongly press the lower side of the cover support to the terminal block, and the cover support will be fastened with a click.
- (2) Insert a marking strip into the hinged terminal cover.
- (3) With the raised portion of the hinged terminal cover inserted into the recess in a cover support, gently bend the cover to enter into the other recess of the cover support.  
(Be careful not to bend the cover forcibly, or the cover may break.)



# PC Board Terminal Blocks

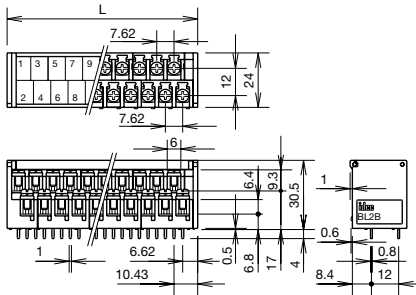
## BL Series PC Board Terminal Blocks: RoHS Directive-Compliant

	Model	BL2B	BL2C	BL2E	Part No. Development BL2-□-□□1C Terminal Centers (mm) B: 7.62 mm C: 8.5 mm E: 10 mm No. of Poles 10, 16, 20, 30, 34 Terminal structure T: TDT touch down terminal (7.62 mm and 8.5 mm terminal centers only) S: Self-lifting terminal
	Terminal Centers	7.62 mm	8.5 mm	10 mm	
	Tightening Torque	250V			
	Insulation Voltage	10A	15A	20A	
	Current	M3	M3.5	M4	
	No. of Poles (P)	10, 16, 20, 30, 34			
Tightening Torque	0.6 to 1.0 N·m	1.0 to 1.3 N·m	1.4 to 2.0 N·m		

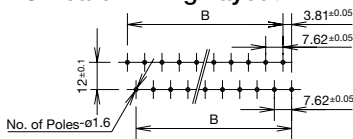
### Space and Labor Saving – Double-deck structure with Touch Down Terminals

Terminal Centers 7.62 mm	BL2B-T□1C, BL2B-S□1C
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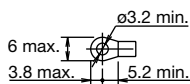
#### Dimensions



#### PC Board Drilling Layout



#### Applicable Crimping Terminal

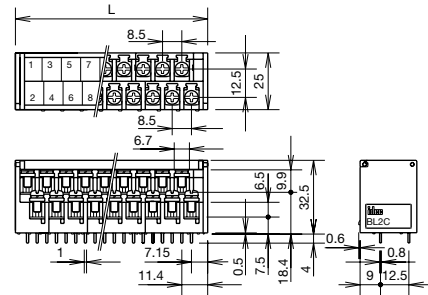


#### L and B Dimensions (mm)

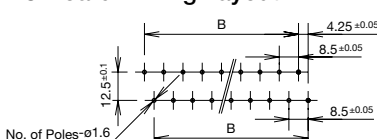
Poles	10	16	20	30	34
L	45.91	68.77	84.01	122.11	137.35
B	30.48	53.34	68.58	106.68	121.92

Terminal Centers 8.5 mm	BL2C-T□1C, BL2C-S□1C
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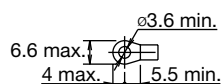
#### Dimensions



#### PC Board Drilling Layout



#### Applicable Crimping Terminal

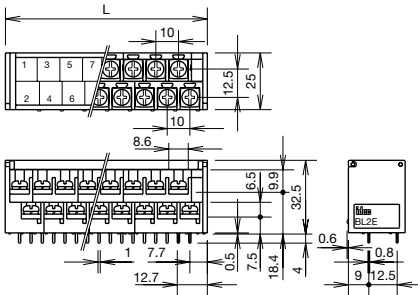


#### L and B Dimensions (mm)

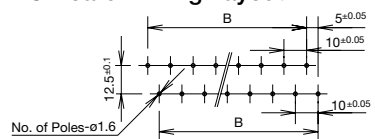
Poles	10	16	20	30	34
L	50.75	76.25	93.25	135.75	152.75
B	34	59.5	76.5	119	136

Terminal Centers 10 mm	BL2E-S□1C
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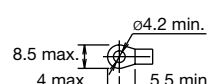
#### Dimensions



#### PC Board Drilling Layout



#### Applicable Crimping Terminal



#### L and B Dimensions (mm)

Poles	10	16	20	30	34
L	59	89	109	159	179
B	40	70	90	140	160

Terminal Centers	No. of Poles	Ordering Part No.	
		Touch Down Terminal Block	Self-lifting Terminal Block
7.62 mm	10	BL2B-T101C	BL2B-S101C
	16	BL2B-T161C	BL2B-S161C
	20	BL2B-T201C	BL2B-S201C
	30	BL2B-T301C	BL2B-S301C
	34	BL2B-T341C	BL2B-S341C
8.5 mm	10	BL2C-T101C	BL2C-S101C
	16	BL2C-T161C	BL2C-S161C
	20	BL2C-T201C	BL2C-S201C
	30	BL2C-T301C	BL2C-S301C
	34	BL2C-T341C	BL2C-S341C
10 mm	10	-	BL2E-S101C
	16	-	BL2E-S161C
	20	-	BL2E-S201C
	30	-	BL2E-S301C
	34	-	BL2E-S341C

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  - iii. Use in applications where the product may be handled or used deviating from the specifications or conditions / environment listed in the Catalogs, such as equipment used outdoors or applications in environments subject to chemical pollution or electromagnetic interference  
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  - ii. The failure was caused by reasons other than an IDEC product
  - iii. Modification or repair was performed by a party other than IDEC
  - iv. The failure was caused by a software program of a party other than IDEC
  - v. The product was used outside of its original purpose
  - vi. Replacement of maintenance parts, installation of accessories, or the like was not performed properly in accordance with the user's manual and Catalogs
  - vii. The failure could not have been predicted with the scientific and technical standards at the time when the product was shipped from IDEC
  - viii. The failure was due to other causes not attributable to IDEC (including cases of force majeure such as natural disasters and other disasters)Furthermore, the warranty described here refers to a warranty on the IDEC product as a unit, and damages induced by the failure of an IDEC product are excluded from this warranty.

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- (2) Maintenance inspections, adjustments, and repairs
- (3) Technical instructions and technical training
- (4) Product tests or inspections specified by you

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# IDEC CORPORATION

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