

DC Power Supply Plug / Jack

Features

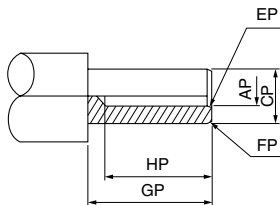
1. All products in this series in conformity EIAJ standard RC-5320A. A large number of variation are available for any application.
2. LGP6501 and LGP6531 series may be used to flow soldering (DIP).
3. LGP3131 and LGP3831 series may be used to reflow soldering (SMD).
4. An SMD-ready type model has a frame which provides resistance to twisting force.
*Twisting force : 49N • cm (5kgf • cm)
5. LGP6531-0800 and LGP0038-0100 out of the voltage categories of 4 and 5 have safety provision for momentary current shut-off resulting from twisting force.

Products Variation

Voltage Classification	Rating Voltage Range[V]	Plug Harness	Part No.		
			Jack		
			Through Hole	SMD	Lead Wiring
1	DC3.15max.	LLP0140 - □ □ 00	LGP2231-0100	LGP1821-0100	—
			LGP1831-0300F		
2	DC3.15 < V ≤ DC6.3	LLP0141 - □ □ 00	LGP6501-0100	LGP3131-0110	—
			LGP1331-0200		
3	DC6.3 < V ≤ DC10.5	LLP0142 - □ □ 00	LGP6531-0600	LGP3131-0200	—
			LGP3331-0100		
			LGP1331-0100		
4	DC10.5 < V ≤ DC13.5	LLP0143 - □ □ 00	LGP6531-0400	LGP3831-0100	LGP0038-0100
			LGP3831-0200		
			LGP6531-0700		
			LGP6531-0800		
5	DC13.5 < V ≤ DC18.0	LLP0170 - □ □ 00	LGP7031-0300	—	—
			LGP7031-05 □ □		
			LGP7031-0700		

Standard Plug Gauge

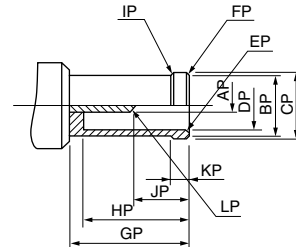
A Type



Unit: mm

	AP	CP	EP	FP	GP	HP
1	ø0.75	ø2.40	C0.35	C0.35	(9.5)	(8.5)
2	ø1.75	ø4.05	C0.35	C0.35	(9.5)	(8.5)
3	ø1.75	ø4.8	C0.35	C0.35	(9.5)	(8.5)

B Type


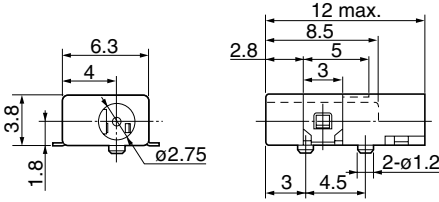
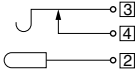
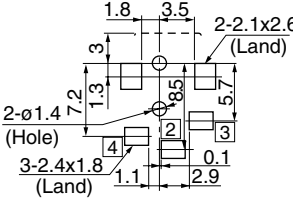
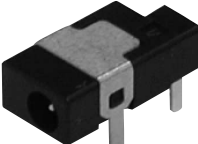
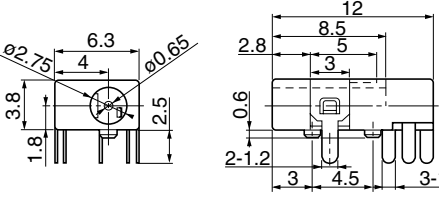
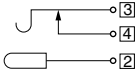
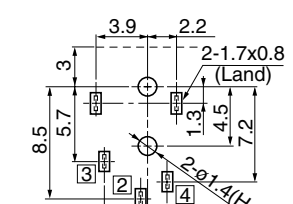

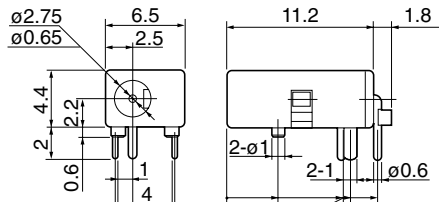
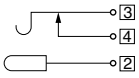
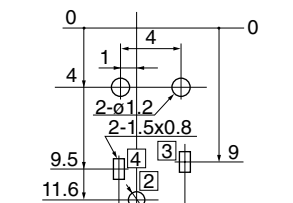

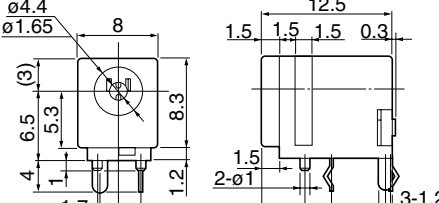

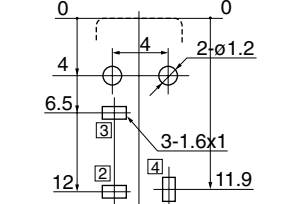


Unit: mm

	AP	BP	CP	DP	EP	FP
4	ø0.95	ø5.05	ø5.55	ø3.3	C0.35	C0.35
5	ø1.35	ø6.05	ø6.55	ø4.3	C0.35	C0.35
	GP	HP	IP	JP	KP	LP
4	(9.5)	(8.5)	C0.25	2.5	1.5	R0.475
5	(9.5)	(8.5)	C0.25	2.5	1.5	R0.675

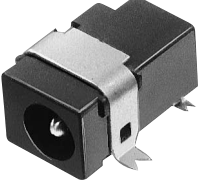
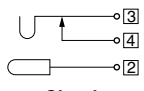
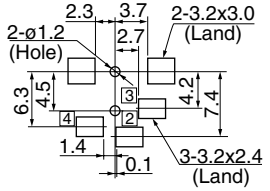

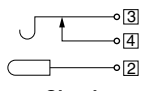
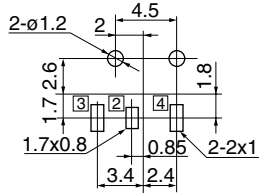
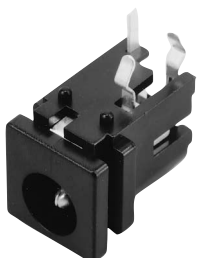
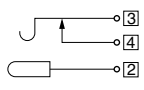
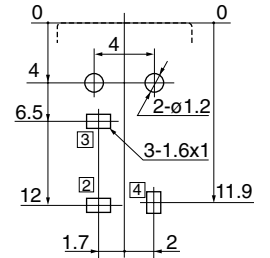

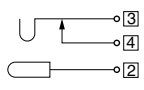
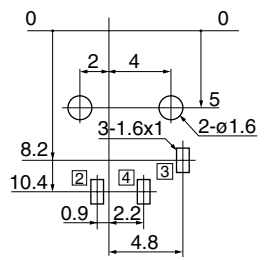
Material: Hardening stainless steel or gauge steel. Surface roughness shall be 0.8S, excluding handle of plug gauge.

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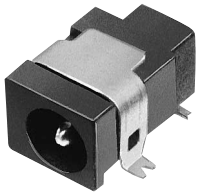
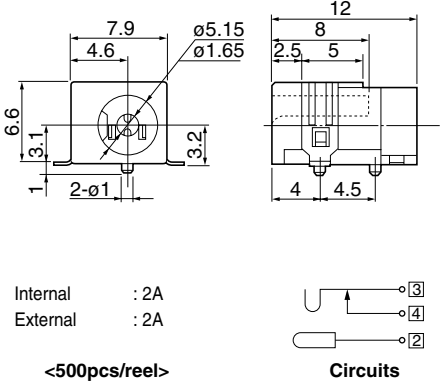
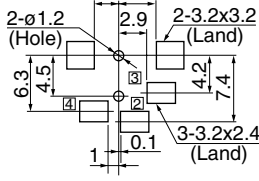

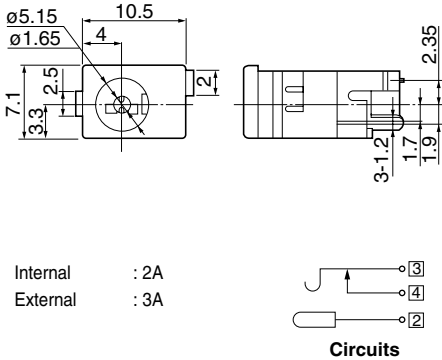
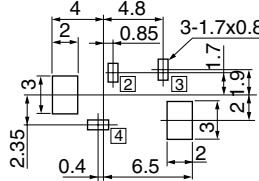

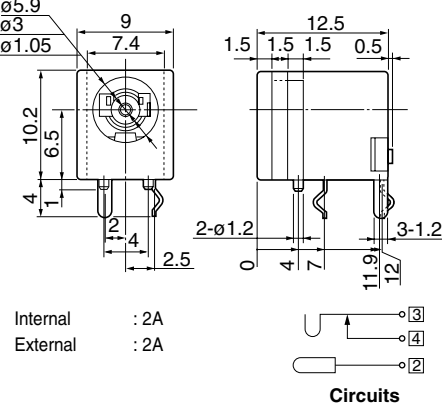
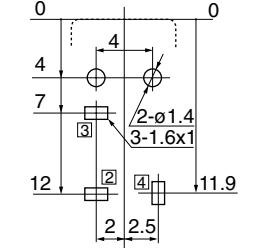

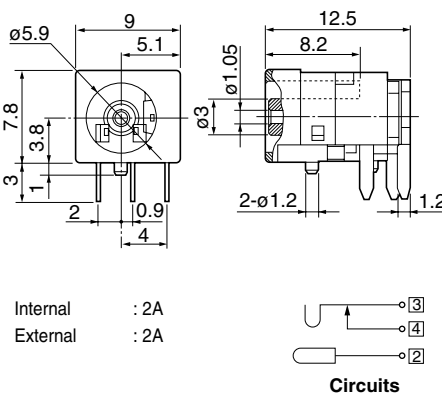
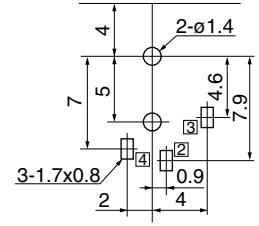
Voltage Classification Rating Voltage Range [V]	Part No.	Dimension/Circuits	Recommended P.W.Board Dimension (The Pattern Side)
<p style="text-align: center;">1</p> <p>$V \leq DC3.15$</p>	<p style="text-align: center;">LGP1831-0100 LGP1831-0101 (Taping)</p>	  <p>Internal : 2A External : 2A</p>  <p style="text-align: center;">Circuits</p>	
	<p style="text-align: center;">(SMD Type) LGP1831-0300F</p> 	 <p>Internal : 2A External : 2A</p>  <p style="text-align: center;">Circuits</p>	
	<p style="text-align: center;">LGP2231-0100</p> 	 <p>Internal : 2A External : 2A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=0.8]</p>
<p style="text-align: center;">2</p> <p>$DC3.15 < V \leq DC6.3$</p>	<p style="text-align: center;">LGP6501-0100</p> 	 <p>Internal : 2A External : 3A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=1.2]</p>

DC Power Supply Jack

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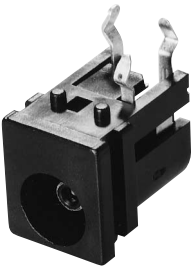
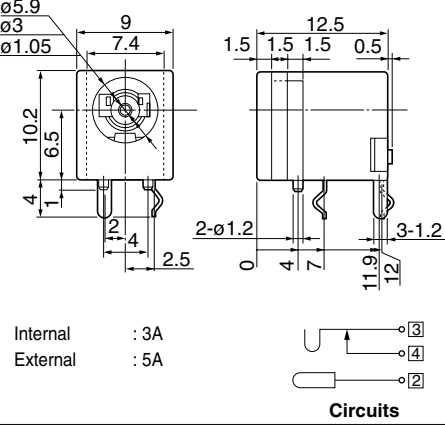

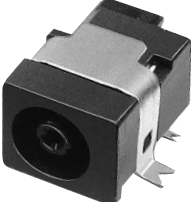
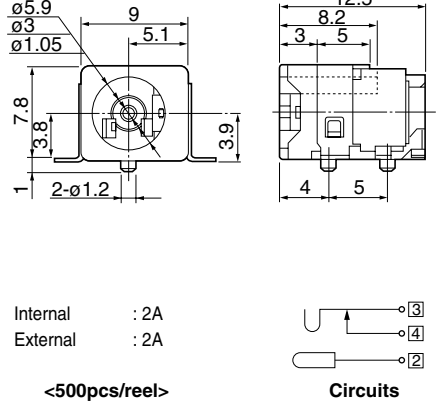

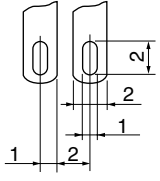
Voltage Classification Rating Voltage Range [V]	Part No.	Dimension/Circuits	Recommended P.W.Board Dimension (The Pattern Side)
<p style="text-align: center;">2</p> <p>DC3.15<V ≦ DC6.3</p>	<p style="text-align: center;">LGP3131-0110 LGP3131-0111 (Taping)</p>	 <p>Internal : 2A External : 3A</p> <p style="text-align: center;"><500pcs/reel></p>  <p style="text-align: center;">Circuits</p>	
	<p style="text-align: center;">(SMD Type) LGP1331-0200</p>  <p>Internal : 2A External : 2A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=1.6]</p>	
<p style="text-align: center;">3</p> <p>DC6.3<V ≦ DC10.5</p>	<p style="text-align: center;">LGP6531-0600</p>  <p>Internal : 2A External : 2A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=1.6]</p>	
	<p style="text-align: center;">LGP3331-0100</p>  <p>Internal : 2A External : 3A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=1.0]</p>	

DC Power Supply Jack


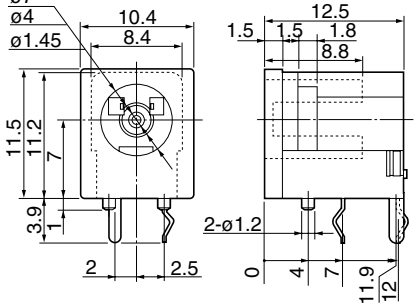
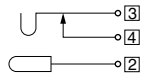
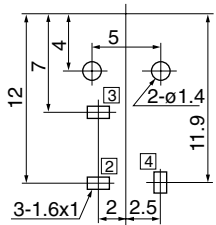
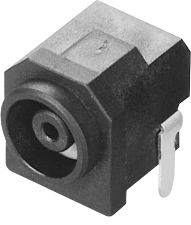
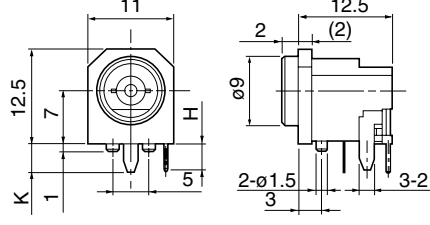
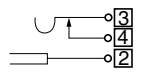
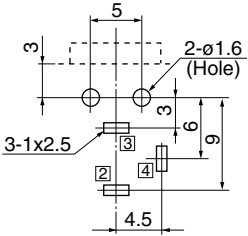

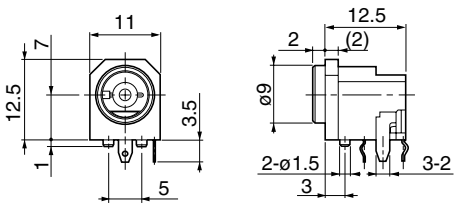
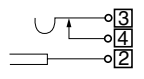
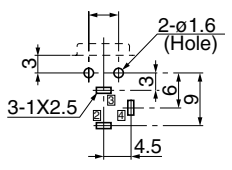
Voltage Classification Rating Voltage Range [V]	Part No.	Dimension/Circuits	Recommended P.W.Board Dimension (The Pattern Side)
<p>3</p> <p>DC6.3<V≦ DC10.5</p>	<p>LGP3131-0200 LGP3131-0201 (Taping)</p>	  <p>Internal : 2A External : 2A</p> <p><500pcs/reel></p> <p>Circuits</p>	
	<p>LGP1331-0100</p>   <p>Internal : 2A External : 3A</p> <p>Circuits</p> <p>[t=1.0]</p>	 <p>[t=1.0]</p>	
<p>4</p> <p>DC10.5<V≦ DC13.5</p>	<p>LGP6531-0400</p>   <p>Internal : 2A External : 2A</p> <p>Circuits</p>	 <p>[t=1.6]</p>	
	<p>LGP3831-0200</p>   <p>Internal : 2A External : 2A</p> <p>Circuits</p>	 <p>[t=1.2]</p>	

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Voltage Classification Rating Voltage Range [V]	Part No.	Dimension/Circuits	Recommended P.W.Board Dimension (The Pattern Side)	
4 DC10.5<V _≦ DC13.5	LGP6531-0700	 (DC3A max.)	 <p>Internal : 3A External : 5A</p> <p>Circuits</p> <p style="text-align: right;">[t=1.6]</p>	
	LGP6531-0800			<Against Power-Cut>  (DC3A max.)
	LGP3831-0100	LGP3831-0101(Taping)	 (SMD Type) <500pcs/reel>	 <p>Internal : 2A External : 2A</p> <p>Circuits</p>
	LGP0038-0100	<Against Power-Cut> 		
				<p style="text-align: center;">Lead Wiring</p>  <p style="text-align: center;">Terminal</p>

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Voltage Classification Rating Voltage Range [V]	Part No.	Dimension/Circuits	Recommended P.W.Board Dimension (The Pattern Side)									
<p style="text-align: center;">5</p> <p>DC13.5<V ≤ DC18.0</p>	<p style="text-align: center;">LGP7031-0300</p>  <p style="text-align: center;">(DC3A max.)</p>	 <p>Internal : 3A External : 5A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=1.6]</p>									
	<p style="text-align: center;">LGP7031-05 □ □</p>  <p style="text-align: center;">(Reflow Type/DC3A max.)</p>	 <table border="1" data-bbox="710 1131 941 1243"> <thead> <tr> <th>□ □</th> <th>H</th> <th>K</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>3.5</td> <td>3.8</td> </tr> <tr> <td>01</td> <td>2.0</td> <td>2.0</td> </tr> </tbody> </table> <p>Internal : 3A External : 5A</p>  <p style="text-align: center;">Circuits</p>	□ □	H	K	00	3.5	3.8	01	2.0	2.0	 <p style="text-align: center;">[t=1.1]</p>
	□ □	H	K									
00	3.5	3.8										
01	2.0	2.0										
<p style="text-align: center;">LGP7031-1200</p> 	 <p>Internal : 3A External : 5A</p>  <p style="text-align: center;">Circuits</p>	 <p style="text-align: center;">[t=1.35]</p>										