

DC Power Supply Plugs / Jacks

DC Power Supply Plugs / Jacks (JEITA RC-5320A)

■ Features

1. All products in this series in conformity JEITA standard RC-5320A [plugs and jacks for coupling an external (unified polarity type)]. A large number of variation are available for any application.
2. An SMD-ready type model has a frame which provides resistance to twisting force.
*Twisting force : 49N • cm (5kgf • cm)
3. LGP6531-0800F out of the voltage categories of 4 have safety provision for momentary current shut-off resulting from twisting force.
4. 94V-0 material used for the housing.

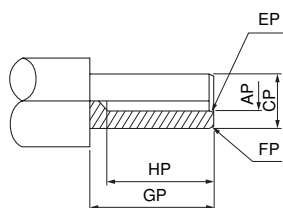
■ Product Variation

Voltage Classification	Rating Voltage Range[V]	Part No.			
		Plug Harness	Jack		
			Through Hole	SMD	Lead Wiring
1	DC 3.15 max.	———	LGP1831-0300F	LGP1831-02□□F	———
			LGP2231-0100F		
2	DC 3.15<V ≤ DC 6.3	LLP0141-□□00F	LGP6501-0101F	LGP2631-01□□F	———
			LGP3131-0400F		
			LGP2631-0200F		
3	DC 6.3 <V ≤ DC 10.5	LLP0142-□□00F	LGP6531-0601F	LGP3131-02□□F	———
			LGP3331-0100F	LGP3131-0804F	
				LGP3131-0901F	
4	DC 10.5<V ≤ DC 13.5	LLP0143-□□00F	LGP6531-0800F	———	LGP0038-0100F
			LGP6531-1500F		
5	DC 13.5<V ≤ DC 18.0	LLP0170-□□00F	LGP7031-05□□F	———	LGP0038-0901F
					LGP0038-1601F

DC Power Supply Plugs / Jacks

Standard Plug Gauge

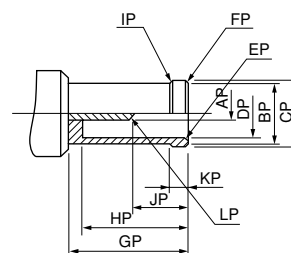
A Type



Unit: mm

Class	Size	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

Class	Size	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
Class	Size	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.

Specification

1. Rating

Voltage Classification	Rated Voltage	Rated Current	Standard Plug Gauge
1	3.15V	DC 2A For products capable of handling greater than 2A DC, please contact our sales personnel.	A Type
2	6.3V		
3	10.5V		
4	13.5V		B Type
5	18.0V		

2. Contact Resistance: 30mΩ max.

3. Insulation Resistance: 100MΩ min. 500V DC

4. Withstanding Voltage: AC500V (for one minute)

5. Insertion Force: Per individual spec sheet

6. Withdrawal Force: Per individual spec sheet

7. Twisting Force: 49N • cm (5kgf • cm)

8. Operating Temperature: Per individual spec sheet

9. Polarized

Outside electrode of the plug shall have a negative (–) polarity. Center electrode shall have positive (+).

● Other particulars are in accordance to JEITA standard RC-5320A.

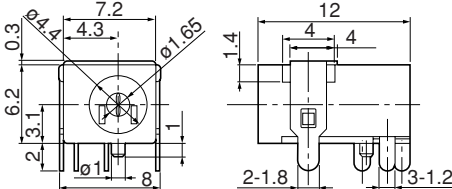
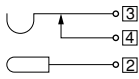
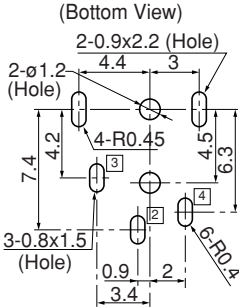
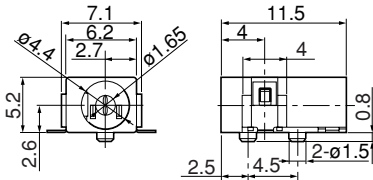
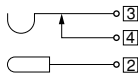
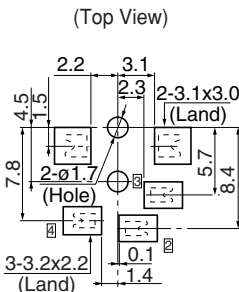
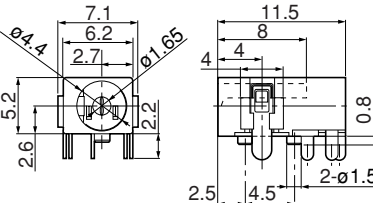
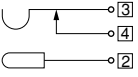
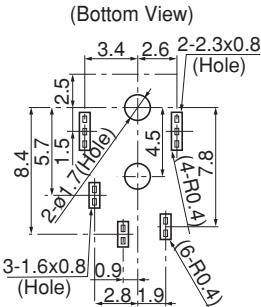
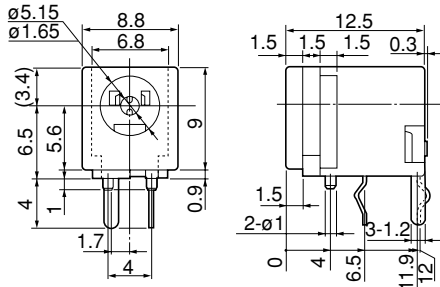
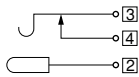
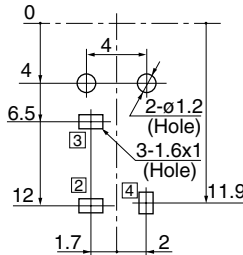
Application

- Mobile phones and small portable equipment, etc. (class1)
- Small portable equipment, camcorders and game machines, etc. (class2)
- Camcorders and small printer, etc. (class3)
- Printers, scanners and PCs, etc. (class4&5)

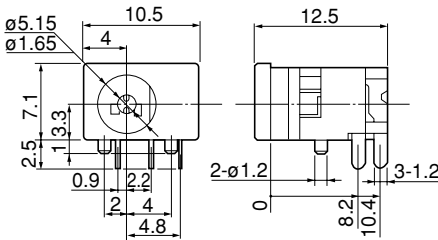
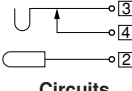
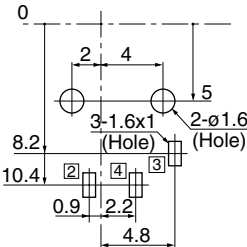
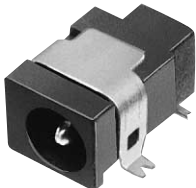
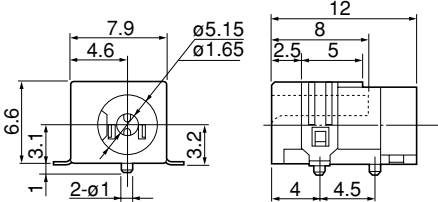
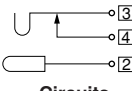
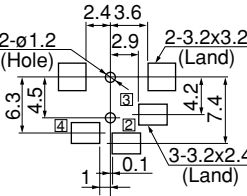
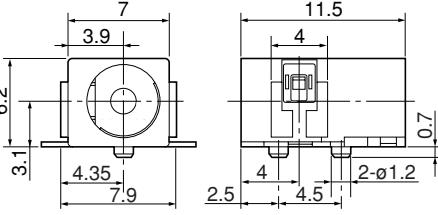
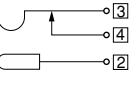
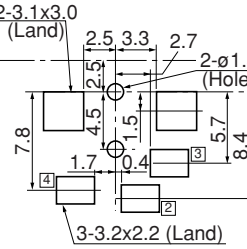
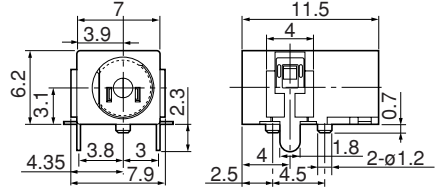
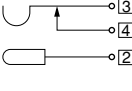
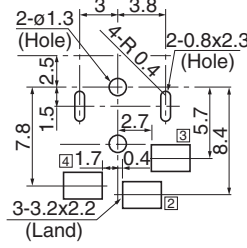
DC Power Supply Jacks (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
1 $V \leq \text{DC } 3.15$	LGP1831-0200F LGP1831-0201F (Taping)	Internal : 2A External : 2A <1,000pcs/reel> Circuits	(Top View) LGP1831-0200F : Manual Soldering LGP1831-0201F : Reflow Soldering
	(SMD Type) LGP1831-0300F	Internal : 2A External : 2A Circuits	(Bottom View) [t=1.0] Manual Soldering
	LGP2231-0100F	Internal : 2A External : 2A Circuits	(Bottom View) [t=0.8] Manual Soldering
2 $\text{DC } 3.15 < V \leq \text{DC } 6.3$	LGP6501-0101F	Internal : 2A External : 4A Circuits	(Bottom View) [t=1.2 to 1.6] Flow Soldering

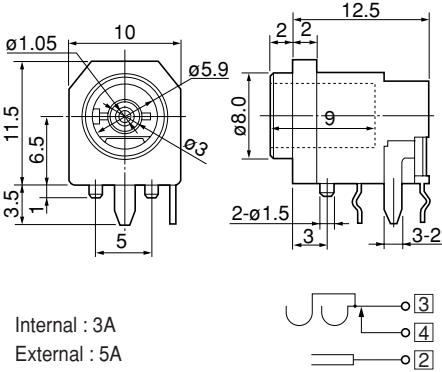
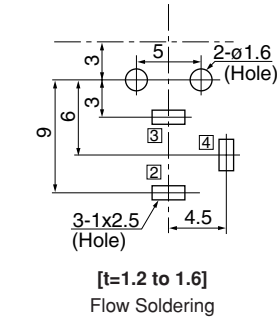
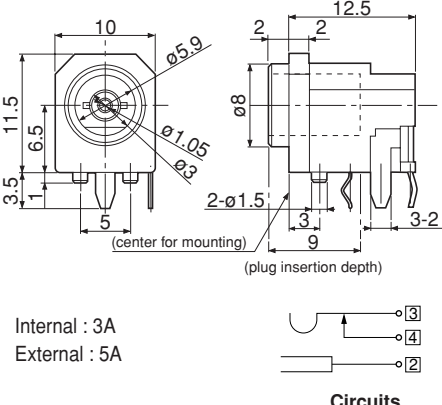
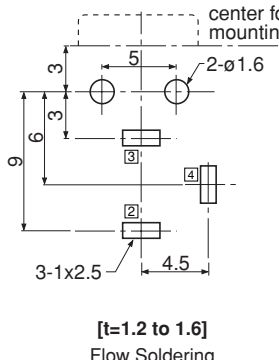
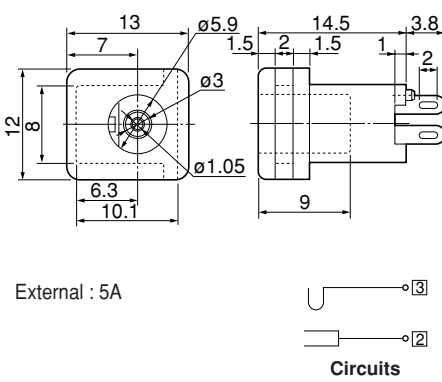
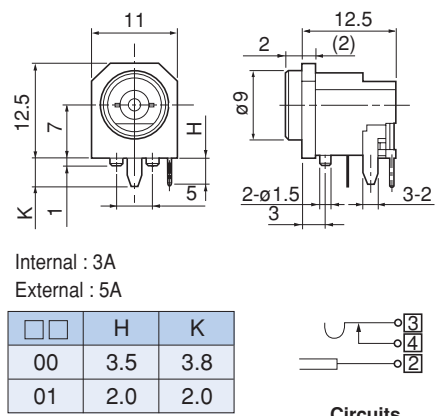
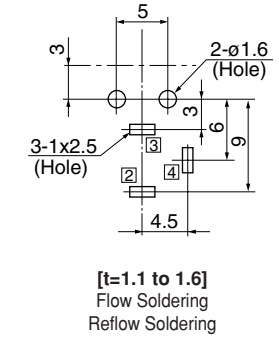
DC Power Supply Jacks (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
2 DC 3.15<V≤ DC 6.3	LGP3131-0400F	  Internal : 2A External : 2A  Circuits	 [t=1.0] Manual Soldering
	LGP2631-0100F LGP2631-0101F (Taping)	  Internal : 2A External : 2A  Circuits	 LGP2631-0100F : Manual Soldering LGP2631-0101F : Reflow Soldering
	LGP2631-0200F	  Internal : 2A External : 2A  Circuits	 [t=0.8] Manual Soldering
3 DC 6.3<V≤ DC 10.5	LGP6531-0601F	  Internal : 2A External : 3A  Circuits	 [t=1.6] Flow Soldering

DC Power Supply Jacks (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
3 DC 6.3<V ≤ DC 10.5	LGP3331-0100F	  Internal : 2A External : 3A  Circuits	(Bottom View)  [t=1.0] Manual Soldering
	LGP3131-0200F LGP3131-0201F (Taping)	  Internal : 2A External : 2A  Circuits	(Top View)  LGP3131-0200F : Manual Soldering LGP3131-0201F : Reflow Soldering
	(SMD Type) LGP3131-0804F	  Internal : 2A External : 2A  Circuits	(Top View)  Reflow Soldering
	(SMD Type) LGP3131-0901F	  Internal : 2A External : 2A  Circuits	(Top View)  [t=0.8] Reflow Soldering

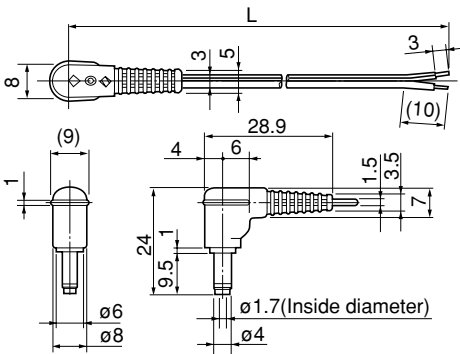
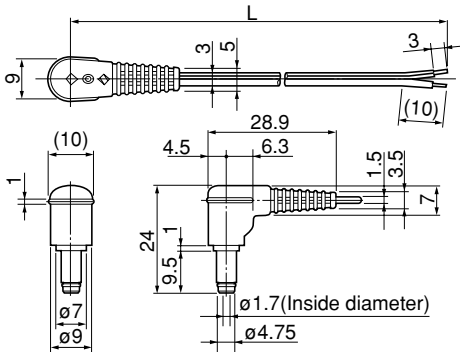
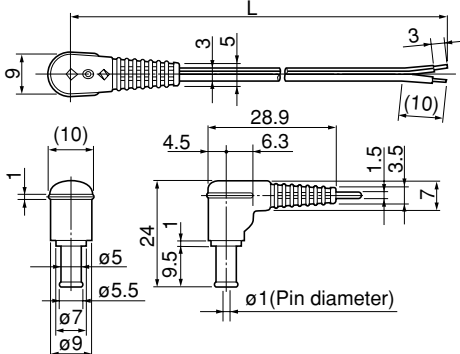
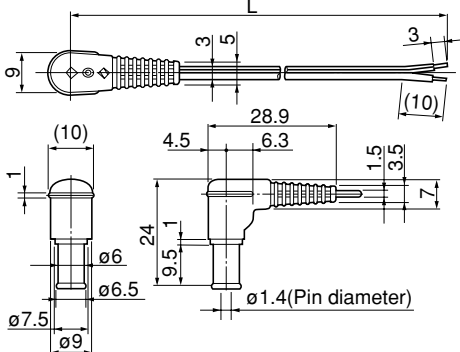
DC Power Supply Jacks (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)									
4 DC 10.5<V≦ DC 13.5	LGP6531-0800F <Against power-cut> 	 Internal : 3A External : 5A Circuits	(Bottom View)  [t=1.2 to 1.6] Flow Soldering									
	LGP6531-1500F 	 Internal : 3A External : 5A Circuits	(Bottom View)  [t=1.2 to 1.6] Flow Soldering									
	LGP0038-0100F 	 External : 5A Circuits	Lead Wiring Manual Soldering									
5 DC 13.5<V≦ DC 18.0	LGP7031-05□□F  Through hole reflow	 Internal : 3A External : 5A <table border="1"><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> Circuits	□□	H	K	00	3.5	3.8	01	2.0	2.0	(Bottom View)  [t=1.1 to 1.6] Flow Soldering Reflow Soldering
□□	H	K										
00	3.5	3.8										
01	2.0	2.0										

DC Power Supply Jacks (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
5 DC 13.5<V≤ DC 18.0	LGP0038-0901F	External : 6A Circuits	Lead Wiring Manual Soldering
	LGP0038-1601F	External : 6A Circuits	Lead Wiring Manual Soldering

DC Power Supply Plugs (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension										
2 DC 3.15<V≦ DC 6.3	LLP0141-□□00F	 <table><tr><th>□□</th><th>L(mm)</th></tr><tr><td>10</td><td>1,000</td></tr><tr><td>15</td><td>1,500</td></tr><tr><td>20</td><td>2,000</td></tr><tr><td>25</td><td>2,500</td></tr></table>	□□	L(mm)	10	1,000	15	1,500	20	2,000	25	2,500
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3 DC 6.3<V≦ DC 10.5	LLP0142-□□00F	 <table><tr><th>□□</th><th>L(mm)</th></tr><tr><td>10</td><td>1,000</td></tr><tr><td>15</td><td>1,500</td></tr><tr><td>20</td><td>2,000</td></tr><tr><td>25</td><td>2,500</td></tr></table>	□□	L(mm)	10	1,000	15	1,500	20	2,000	25	2,500
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4 DC 10.5<V≦ DC 13.5	LLP0143-□□00F	 <table><tr><th>□□</th><th>L(mm)</th></tr><tr><td>10</td><td>1,000</td></tr><tr><td>15</td><td>1,500</td></tr><tr><td>20</td><td>2,000</td></tr><tr><td>25</td><td>2,500</td></tr></table>	□□	L(mm)	10	1,000	15	1,500	20	2,000	25	2,500
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5 DC 13.5<V≦ DC 18.0	LLP0170-□□00F	 <table><tr><th>□□</th><th>L(mm)</th></tr><tr><td>10</td><td>1,000</td></tr><tr><td>15</td><td>1,500</td></tr><tr><td>20</td><td>2,000</td></tr><tr><td>25</td><td>2,500</td></tr></table>	□□	L(mm)	10	1,000	15	1,500	20	2,000	25	2,500
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