

DC Power Supply Plugs / Jacks

DC Power Supply 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. Housing material is using 94V-0 material.

■ Product Variation

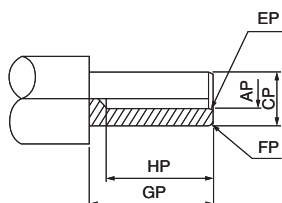
Voltage Classification	Rating Voltage Range[V]	Part No.		
		Jack		
		Through Hole	SMD	Lead Wiring
1	DC 3.15 max.	LGP1831-0300F	LGP1831-02□□F	———
		LGP2231-0100F		
2	DC 3.15<V ≤ DC 6.3	LGP6501-0101F	LGP2631-01□□F	———
		LGP3131-0400F		
		LGP2631-0200F		
3	DC 6.3 <V ≤ DC 10.5	LGP6531-0601F	LGP3131-0804F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

● About plug harness, please contact us.

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Standard Plug Gauge

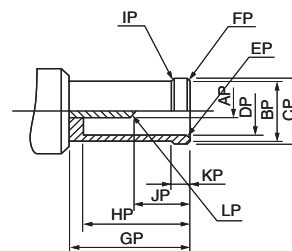
A Type



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

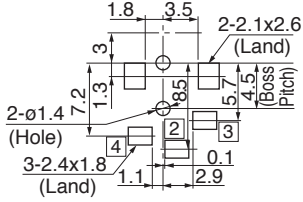
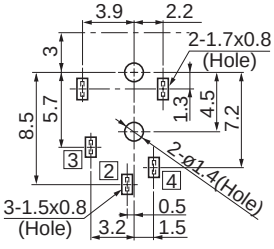
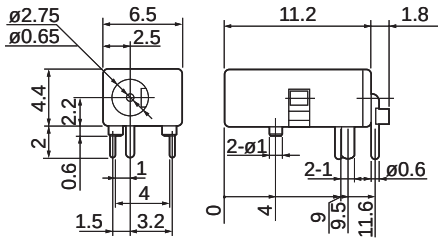
Voltage Classification	Rated Voltage	Rated Current	Standard Plug Gauge
1	3.15V	DC 2A For products capable of handling greater than 2A DC, please contact our sales personnel.	A Type
2	6.3V		
3	10.5V		
4	13.5V		
5	18.0V		B Type

- Contact Resistance: 30mΩ max.
- Insulation Resistance: 100MΩ min. 500V DC
- Withstanding Voltage: AC500V (for one minute)
- Insertion Force: Per individual spec sheet
- Withdrawal Force: Per individual spec sheet
- Twisting Force: 49N • cm (5kgf • cm)
- Operating Temperature: Per individual spec sheet
- 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, small portable equipment, camcorders, game machines, small printer, printers, scanners and PCs.

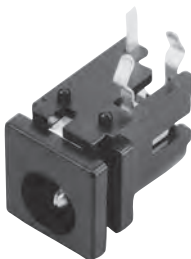
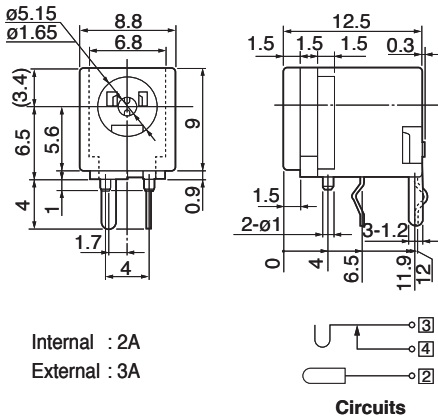
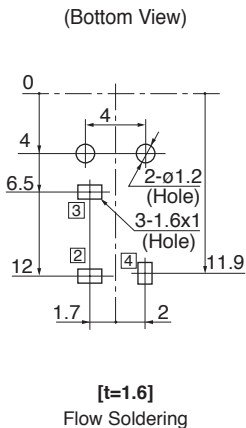
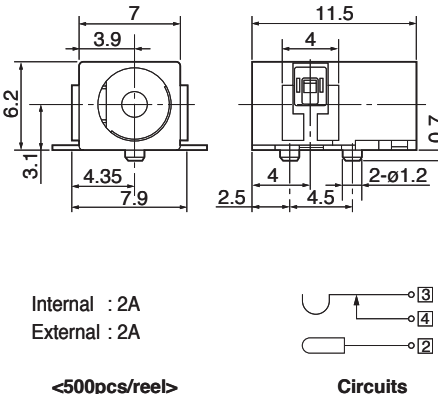
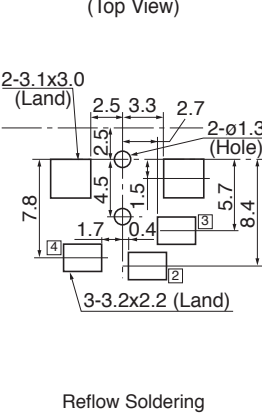
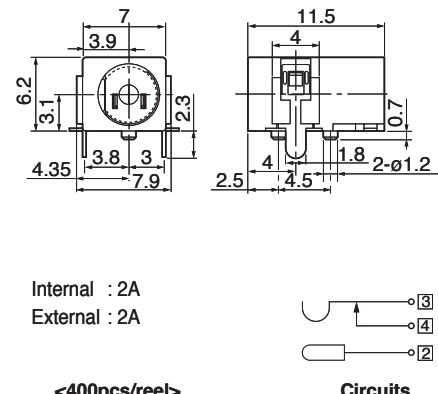
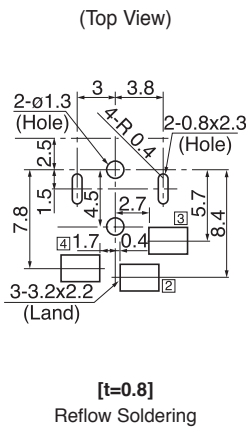
DC Power Supply Jacks (JEITA RC-5320A)

Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
1 $V \leq DC 3.15$	LGP1831-0200F LGP1831-0201F (Taping)	 (SMD Type)	(Top View)  LGP1831-0200F : Manual Soldering LGP1831-0201F : Reflow Soldering
	LGP1831-0300F		(Bottom View)  [t=1.0] Manual Soldering
	LGP2231-0100F		(Bottom View)  [t=0.8] Manual Soldering

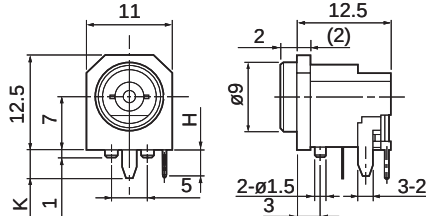
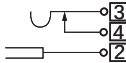
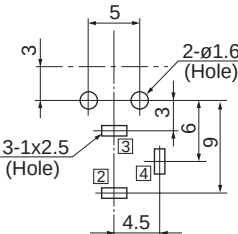
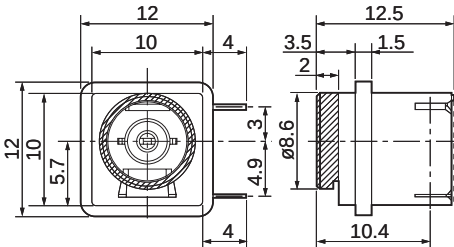
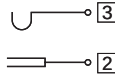
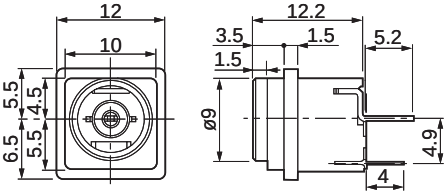
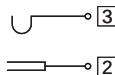
DC Power Supply Jacks (JEITA RC-5320A)

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	LGP6501-0101F	Internal : 2A External : 4A Circuits	(Bottom View) [t=1.2 to 1.6] Flow Soldering
	LGP3131-0400F	Internal : 2A External : 2A Circuits	(Bottom View) [t=1.0] Manual Soldering
	LGP2631-0100F LGP2631-0101F (Taping)	Internal : 2A External : 2A <500pcs/reel> Circuits	(Top View) LGP2631-0100F : Manual Soldering LGP2631-0101F : Reflow Soldering
	LGP2631-0200F	Internal : 2A External : 2A Circuits	(Bottom View) [t=0.8] Manual 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	LGP6531-0601F	  Internal : 2A External : 3A Circuits	(Bottom View)  [t=1.6] Flow Soldering
	LGP3131-0804F	  Internal : 2A External : 2A <500pcs/reel> Circuits	(Top View)  Reflow Soldering
	LGP3131-0901F	  Internal : 2A External : 2A <400pcs/reel> Circuits	(Top View)  [t=0.8] Reflow Soldering

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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	LGP7031-05□□F	  Internal : 3A External : 5A <table border="1" data-bbox="676 707 906 799"><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										
LGP0038-0901F	  External : 6A  Circuits	Lead Wiring Manual Soldering										
LGP0038-1601F	  External : 6A  Circuits	Lead Wiring Manual Soldering										