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.

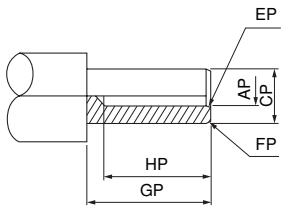
■ Product Variation

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

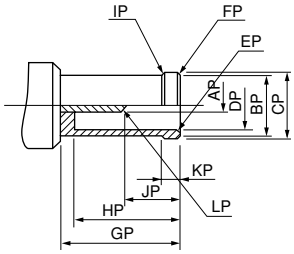
A Type



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		

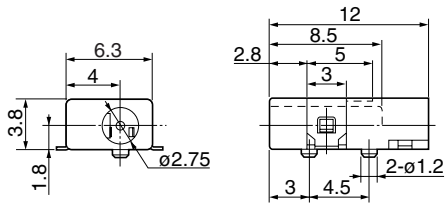
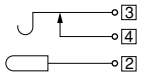
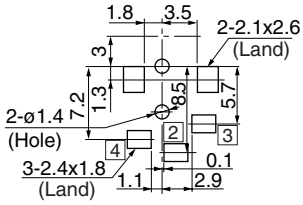
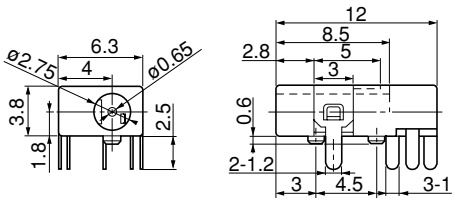
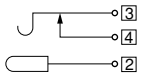
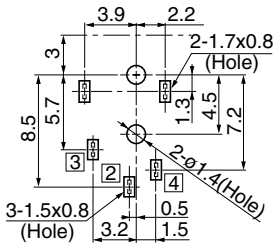
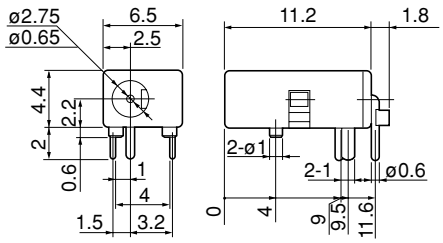
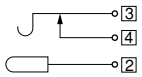
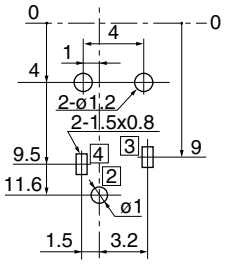
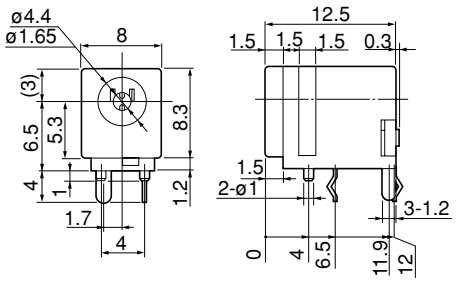
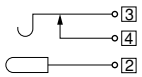
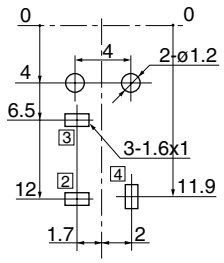
2. Contact Resistance: 30mΩ max.
3. Insulation Resistance: 100MΩ min. 500V DC
4. Withstanding Voltage: AC500V (for one minute)
5. Insertion Force: Per individual spec sheet
6. Withdrawal Force: Per individual spec sheet
7. Twisting Force: 49N • cm (5kgf • cm)
8. Operating Temperature: Per individual 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.

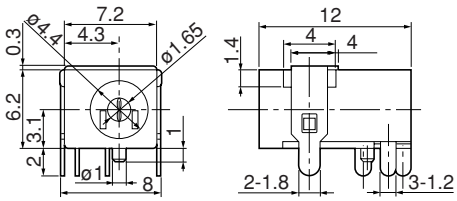
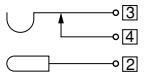
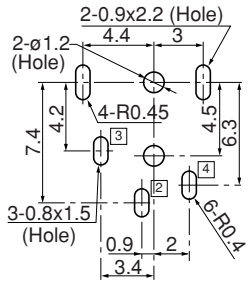
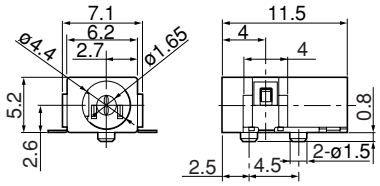
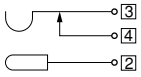
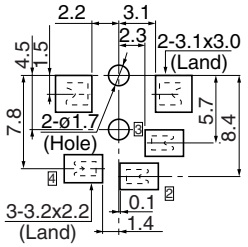
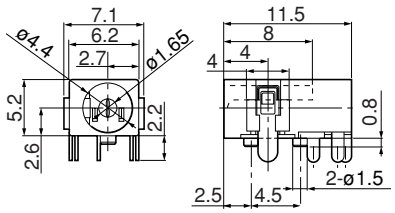
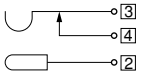
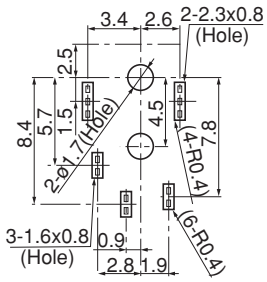
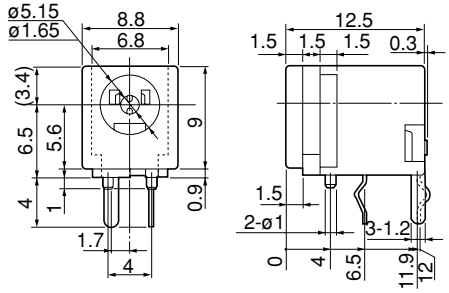
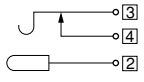
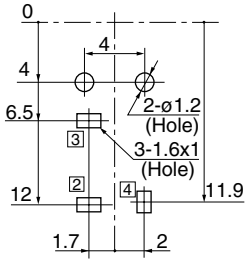
■ Application

● 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)

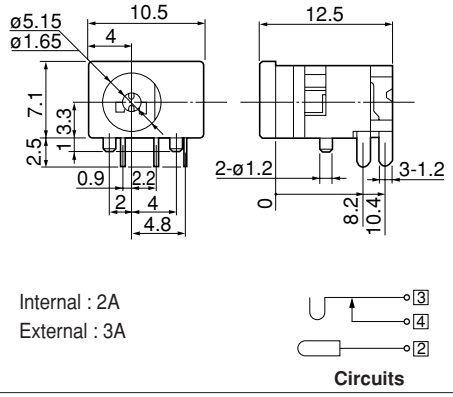
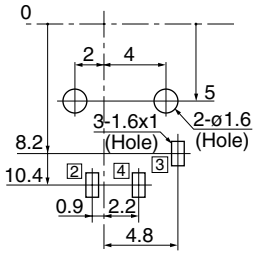
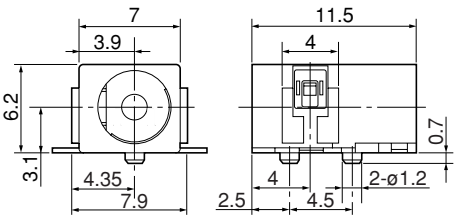
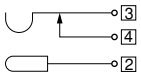
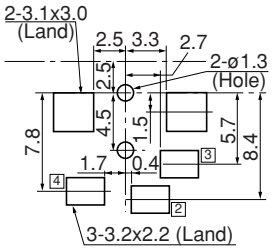
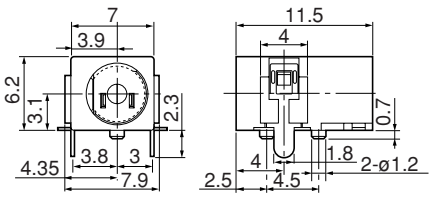
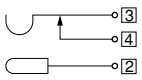
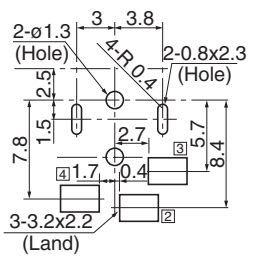
DC Power Supply Jacks (JEITA RC-5320A)

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

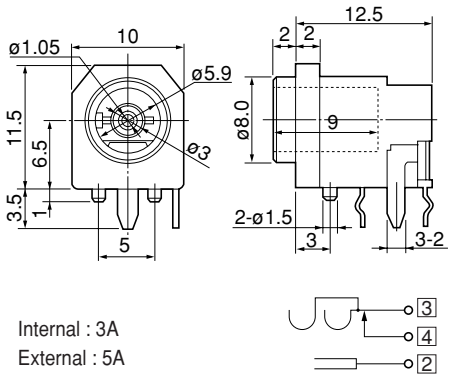
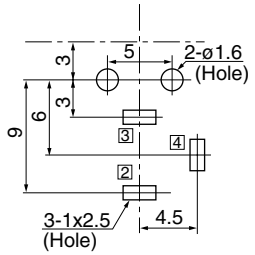
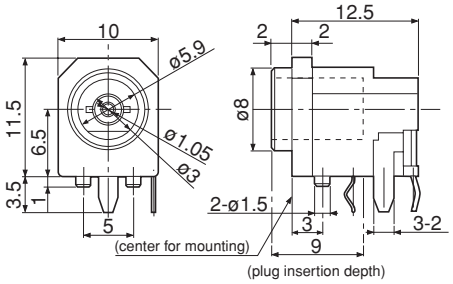
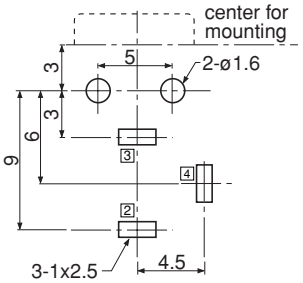
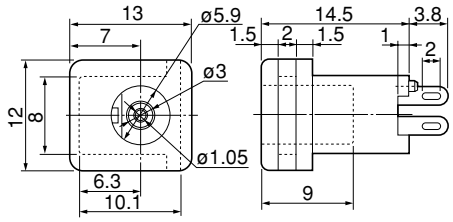
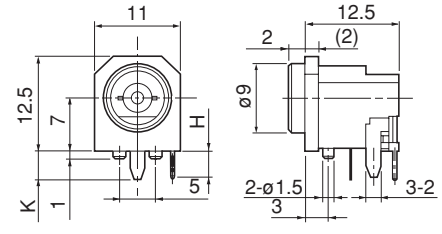
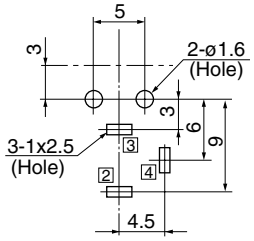
DC Power Supply Jacks (JEITA RC-5320A)

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**	(Bottom View)  **[t=1.0]** Manual Soldering
	LGP2631-0100F **LGP2631-0101F** (Taping)  **(SMD Type)**	 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
3 DC 6.3<V≦ DC 10.5	**LGP6531-0601F** 	 Internal : 2A External : 3A  **Circuits**	(Bottom View)  **[t=1.6]** Flow Soldering

DC Power Supply Jacks (JEITA RC-5320A)

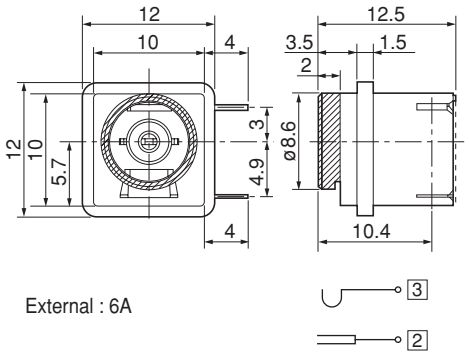
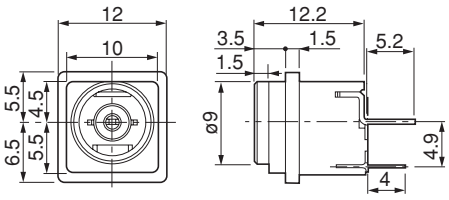
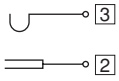
Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
3 DC 6.3<V≦ DC 10.5	**LGP3331-0100F** 	 Internal : 2A External : 3A Circuits	(Bottom View)  [t=1.0] Manual Soldering
	LGP3131-0804F  (SMD Type)	 Internal : 2A External : 2A <500pcs/reel>  Circuits	(Top View)  Reflow Soldering
	LGP3131-0901F 	 Internal : 2A External : 2A <400pcs/reel>  Circuits	(Top View)  [t=0.8] Reflow Soldering

DC Power Supply Jacks (JEITA RC-5320A)

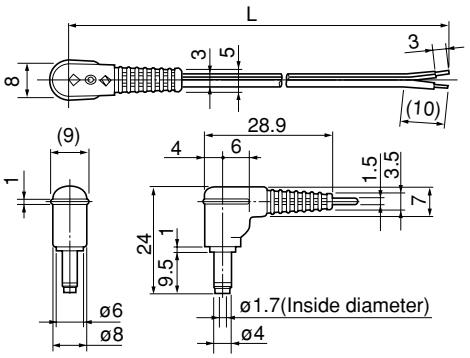
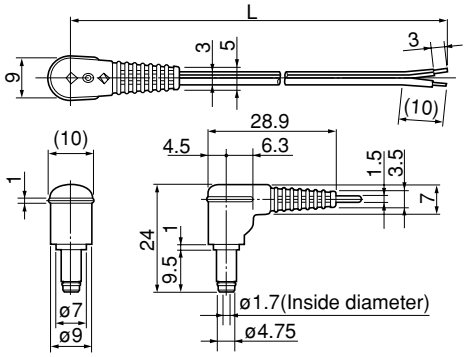
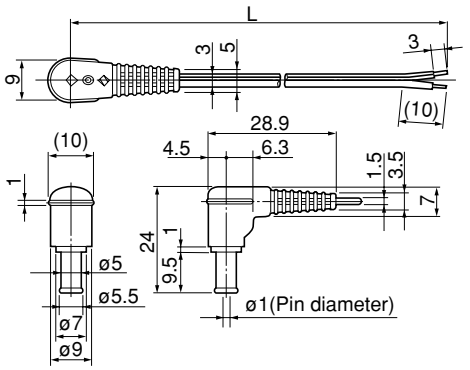
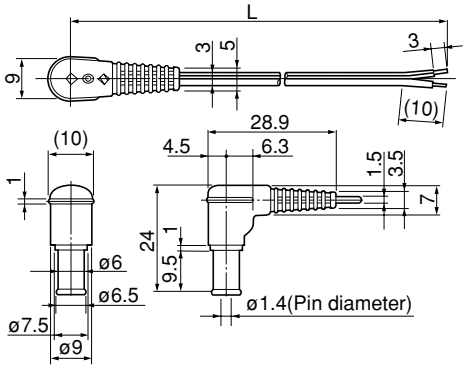
Voltage Classification Rating Voltage Range [V]	Part No.	Dimension / Circuits	P.C. Board Dimension (The Pattern Side)
4 DC 10.5<V≦ DC 13.5	**LGP6531-0800F** **<Against power-cut>** 	 Internal : 3A External : 5A Circuits	(Bottom View)  **[t=1.2 to 1.6]** Flow Soldering
	LGP6531-1500F 	 Internal : 3A External : 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 Circuits	(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**	
3 DC 6.3<V≦ DC 10.5	**LLP0142-□□00F**	
4 DC 10.5<V≦ DC 13.5	**LLP0143-□□00F**	
5 DC 13.5<V≦ DC 18.0	**LLP0170-□□00F**	

□□	L(mm)
10	1,000
15	1,500
20	2,000
25	2,500