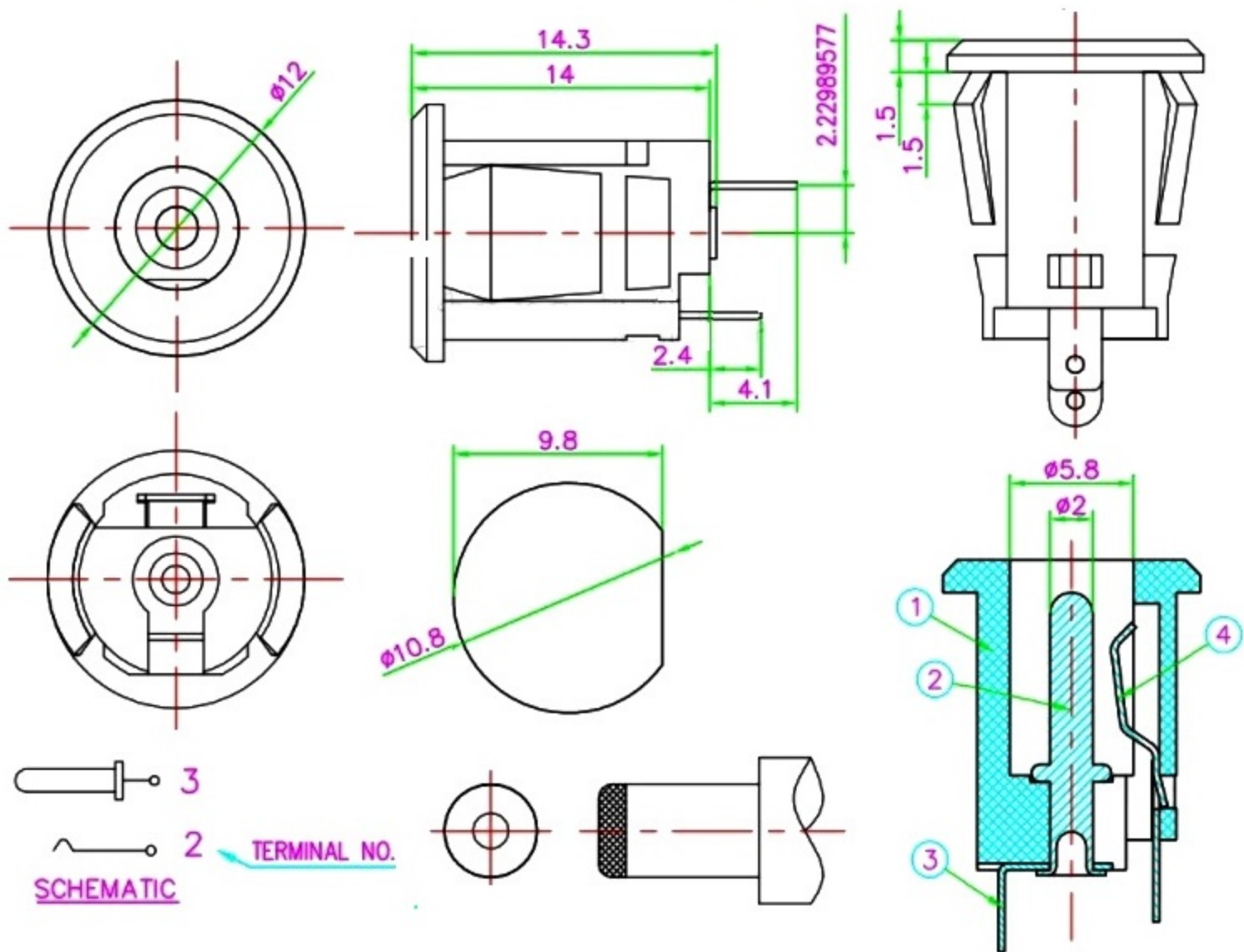




SPECIFICATIONS

MODEL TYPE:	DC JACK	WRTN BY:	CHECKED BY :	APPROVED BY:
MODEL NO:				
	A			
	2009. 10. 17			

1.SCOPE This specification covers the requirements for: “ DC POWER JACKS ”

2.Rating DC 30V 0.5A

3. CONSTRUCTION

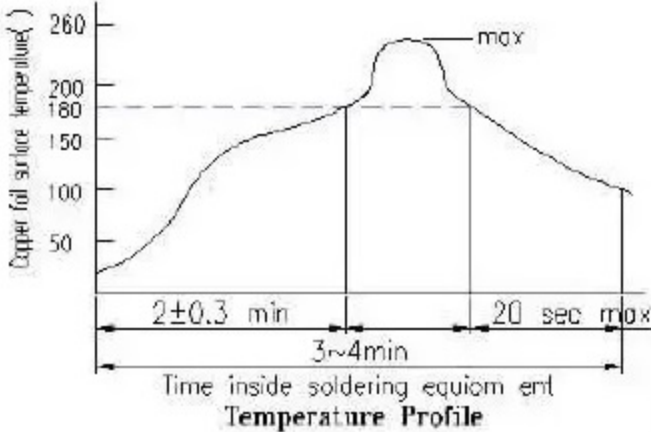
3.1 Shape and dimensions are subject to drawing.

3.2 All part not allowed to exist rust crack and poor planting.

4.Standard test conditions shall be 5 to 35°C in temperature and 45 TO 85% in humidity.

Item		Test condiction	Performance
5. Electronical performance			
5. 1	Contact resistance	Being measured at 1 KHz small current contact resistance meter.	50m Ω max.
5. 2	Insulation resistance	Measurements shall be made following application of DC 500 V potential across terminals and across terminals and frame for 1 minute.	100M Ω min.
5. 3	Withstand voltage	AC 500 V(50Hz or 60 Hz)shall be applied across terminals and across terminals and frame for one minute. AC 500 V (50Hz 60Hz)	There shall be no breakdown.
6. Mechanical performance			
6. 1	Insulation and Extraction force	Insert plug gauge into the specimen and extract for test. And then measure the insertion and extraction force.	Insertion force: 0.3kgf~3kgf Extraction force: 0.3kgf~3kgf

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Item		Test condition	Performance
6.2	Terminal strength	A static force of 500gf being applied in one direction on the tip of the terminal for 1 minute.	There shall be no sign of damage mechanically and electrically.
7. Durability			
7.1	Soldering test	The sort of dip stereo jack : The tip of the terminals shall be dipped 2mm in the solder bath at a temperature of $230\pm5^{\circ}\text{C}$ for 3 ± 0.5 sec.	A new uniform coating of solder shall cover a minimum of 95% of the surface being immersed.
7.2	Resistance to soldering heat test	The sort of smt stereo jack: Reflow Soldering Conditions Preheat: Temperature on the copper foil surface should reach 180°C. 2 ± 0.3 minutes after the P.W.B entered into the soldering equioment. Soldering heat: Temperature on the copper foil surface should reach the peak temperature of $240\pm5^{\circ}\text{C}$ with in 20 seconds after the P.W.B enter into soldering heat zone.  soldering iron method: Bit temperature $350\pm10^{\circ}\text{C}$ application time 3 ± 0.5 sec application time 3 ± 0.5 sec. However excessive pressure shall not be applied to the terminal.	Without deformation of case or excessive looseness of teminals electrical characteristics shall be satisfied.

SPECIFICATIONS

Item		Test condition	Performance 规格
7.3	Heat test	80±2℃ for 96 hours, test after keeping in normal condition for 30 minutes.	(1) Contact resistance 150mΩ max. (2) Insulation resistance 50MΩ min.50
7.4	Humidity test	40±2℃ 90-95%RH for 96 hours, test after keeping in normal condition for 30 min.	(3) There shall be no sign of damage mechanically and electrically
7.5	Cold test	At -20±3℃ for 96 hours, test after keeping in normal condition for 30 min.	
7.6	Temperature Cycling test	In FIG. For 5 cycles, test after keeping in normal condition for 30 min. Times in Hours(h)	(1)Contact resistance 150mΩ max. (2)Insulation resistance 0MΩ min.50 (3) There shall be no sign of damage mechanically and electrically
7.7	Lift test	5,000 cycles of operation at a rate of 15-18 cycles per minute with unloading	(1) Contact resistance 150mΩ max.150 (2) Operating force 30% initial value Insulation resistance:Min.100MΩ Dielectric withstanding voltage:1000 V AC/min(Between terminals) (3) Item - 6.2 (4) Item - 7.2