Part Number	PJ-242X-SMT		Rev		E	Date	10/12/18
Product Description	2.5Earphone Socket, W12.0	2.5Earphone Socket, W12.0xD5.0,SMT, Horizonta					1
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SPECIFICATION

1. Standard atmospheric condition

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows:

Ambient temperature: 15° C to 35° C Relative humidity : 45% to 80%

Air pressure : 86kPa to 106kPa

If there is any doubt about the results, measurements shall be made within the following limits:

Ambient temperature: $20 \pm 1^{\circ}$ C Relative humidity : 60% to 70%Air pressure : 86kPa to 106kPa

Operating temperature range: -25° C to 70° C Storage temperature range: -25° C to 70° C

2. Electrical characteristics:

	Item	Conc	Condition			
1	Rated Voltage Rated Current					
2	Contact Resistance	Measurement shall be made at w	with small current 1000 Hz	between plug and terminals Pre test: $30 \text{ m}\Omega$ max. Post test: $50 \text{ m}\Omega$ max. between switch parts Pre test: $80 \text{ m}\Omega$ max. Post test: $100 \text{ m}\Omega$ max.		
3	Insulation Resistance	A voltage of 500V DC shall be applied for 1 minute after which measurement shall be made.	Between the conductors which should not make contact under normal conditions. Between each terminal and insulated metal part.	100MΩ MIN.		



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	Item	Condition		Specifications
4	Dielectric Strength	500V AC (50 Hz to 60 Hz) for 1 minute. Trip current: 2mA	normal conditions.	Without damage to parts, arcing or breakdown, etc.

3. Mechanical characteristics

	Item	Condition	Specifications
1	Operating	Insertion and withdrawal force shall be measured after inserting and withdrawing 3 times by using a gauge of standard dimensions.	
	Force	Insertion force	$3N\sim30N (0.3kgf\sim3.0kgf)$
		Withdrawal force	311,~3011 (0.3kg1,~3.0kg1)

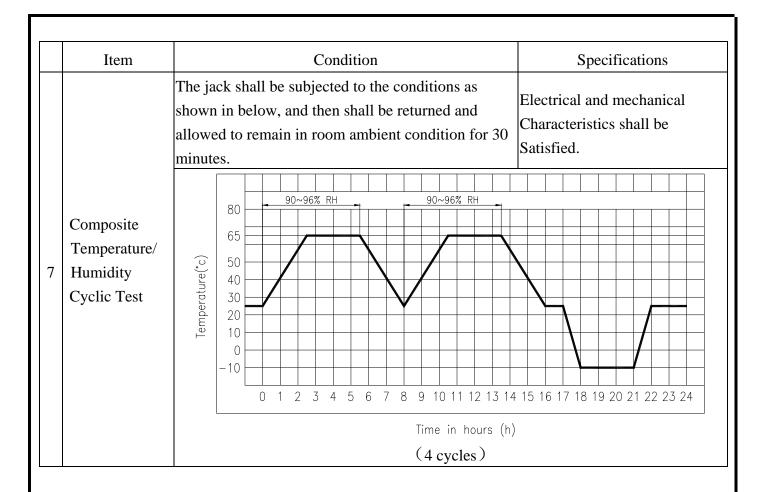
4. Endurance characteristics

	Item	Condition	Specifications
1	Test	Temperature of solder: 245°C ±3°C Time of dip: 2~3 seconds Length of dip: 2 mm (from top of terminal) Solder: Sn/3.0Ag/0.5Cu Flux:25%Resin/75%IPA	The soldered area shall be covered a minimum of 95% of the surface being immersed.
2		The jack shall be stored for 96 hours at a temperature of $-25\pm3^{\circ}\text{C}$ immediately after which measurement shall be made.	Dimensional requirements shall be satisfied. Electrical and mechanical characteristics shall be satisfied.

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	Itam	Condition	Specifications
3	Item Dry Heat	Condition The jack shall be stored for 96 hours at a temperature of $70\pm2^{\circ}$ C immediately after which measurement shall be made.	Specifications Dimensional requirements shall be satisfied. Electrical and mechanical characteristics shall be satisfied.
4	Humidity Test	Temperature : 40°C±2°C Relative humidity : 90% ~95% for 96 hours after testing jack shall be left alone for 30 minutes in a room ambient. Insulation resistance	Dimensional requirements shall be satisfied. Electrical and mechanical characteristics shall be satisfied. $50M\Omega$ MIN.
5		Jack shall withstand 5000 cycles inserting and withdrawing shall be made by the following mating plug or standard dimension gauge, at a speed of 10 to 30 times / min. Contact resistance	Dimensional requirements shall be satisfied. Electrical and mechanical characteristics shall be satisfied. .100m Ω MAX.
6	Reflow Heat Resistance Test	pre-heat: $150^{\circ}\text{C} \sim 180^{\circ}\text{C}$ (90~120 seconds) Peak temperature: $245^{\circ}\text{C} \pm 5^{\circ}\text{C}$ (10 sec within) 220°C above, $30\sim 60$ sec within (°C) 250 Reflow temp rise speed: 3°C (sec below) 180 Pre-heating $150\sim 180^{\circ}\text{C}$ 220°C or more Temp rise speed: 3°C (sec below) 150 Time (sec)	Electrical characteristics shall be satisfied. No any damage after reflow.

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5. Amendment:

When the amendment of this specification comes into necessity, it shall be made by the mutual consultation and agreement between manufacturer and customer.

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