KONNRA

SPECIFICATION

Model Type:	FAKRA JACK
Part No.:	FA096-M01G1HY-A

1.Application

This specification covers the requirements for Earphone Jacks used for radios, radio cassette,cassette rape recorders, TV'S, video disk units, etc.

2.CONSTRUCTION:

1.1	Outline and dimension: Outline and dimension of the jack shown be as attached part drawing.
1.2	Appearance: Every part should be finished not to be shoret of expect, crack, plated bad plating.
1.3	Contact method: white plug-in contact.

3. Construction:

3-1.Appearance:

Must be no curve, crack, dirty, corrosion, discoloration and significant discoloration.

3-2.Outline and dimension

The parts and materials shown be in material identification sheet and certification of material.

4. Electrical efficiency:

Item	Property	Test condition	Performance
4-1	Withstand voltage	The Jack shall be withstanded in AC 800V between mutually insulated pin contacts for one minute.	Without breakdown.
4-2	Insulation resistance	Using a 500 volts DC insulation resistance meter between mutually insulated terminals.	500 MΩ min
4-3	Contact resistance	Between terminals of the jack to be made a closed circuit: The test current: 30 mΩ Open voltage: 30V	30 mΩ Max

5. Mechanical efficiency

5-1	Insertion and extraction force	Measures with a load cell or equivalent. The matching plug shall be inserted into the jack and extracted from the jack slowly.	Insertion: 9.8N Max extraction :34N Min Belt fastener.
5-2	Terminal strength	Terminal and the rubber core assembly, in the same axial direction, each terminal should force can withstand 15N to 25 ±3mm/ seconds, the terminal pull out rubber shell strength.	Without losing and breakdown, but deformation of terminal is accepted.
5-3	Terminal is keep the rubber core force	A single PIN terminal at the same axial force, each terminal should be able to withstand min30N, 25 ± 3mm/ seconds per second speed, strength the terminal into the rubber core.	Without losing and breakdown.

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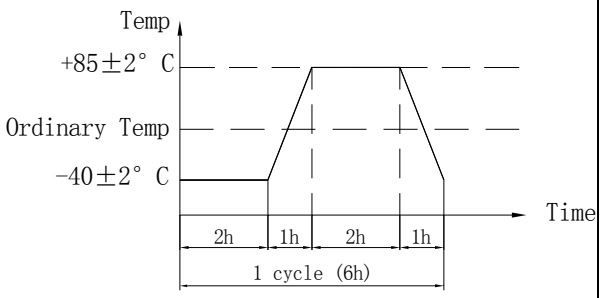
6. Solder-ability

Item	Property	Test condition	Performance
6-1	Resistance to soldering heat test	1 Resistance to soldering heat test The jack terminal shall be dipped in solder under the condition as specified below: Temperature of solder: 260 ± 5 C.. Dip time: 3-5 seconds.	The jack shall be comply with paragraphs 4 and 5,and not show.
6-2	Soldering test	Temperature: 240 ± 5 C Time: 3-5 seconds;	95%surface area shall be covered by solder

7.Environmental.

7-1	Temperature cycle test	The jack be subjected to conditions 5cycle as shown in below, and the shall returned and allowed to remain in ambient condition for 500 hours. 	At the conclusion of the test, The jack shall be comply with paragraphs 4 and 5.
7-2	Humidity test	The jack shall be subjected to temperature of 40±2 ℃ and relative humidity of 90% to 95% for a period of 96 hours. Upon completion of the exposure, dew drops shall be blown out and removed from the jack, after which the jack shall conditioned at room ambient conditions for 30 minutes.	At the conclusion of the test, The jack shall be comply with paragraphs 4 and 5. Insulation resistance: 50 MΩ or more Contact resistance: less than 100 mΩ

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Part No.:	FA096-M01G1HY-A

7.Environmental.

Item	Property	Test condition	Performance
7-3	Thermal shock test	(1) The higher test temperature shall be 85℃ or higher, and the lower test temperature shall be -40 ℃ or lower. (2) Place the test samples in the low-temperature chamber held at the minimum temperature and let them stand for 30 minutes. (3) Place the test samples in the high-temperature chamber held at the maximum temperature and let them stand for 30 minutes. (4) Taking the above procedures (2) and (3) as one cycle, repeat 100 cycles. (5) The test shall start with the lower temperature.	No evidence of damage.

8.Mechanical characteristics

8-1	Vibration test	Vibrate the test samples at frequencies of 10Hz, 55Hz, and then 10Hz, for a round-trip sweep time of one minute each, and apply amplitude of 1.5mm in three directions perpendicular to one another (the X, Y and Z axes) for two hours each. When applying power to the contact part during vibration, use a large enough current to able to detect its interruption.	No evidence of damage.

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SPECIFICATION

Model Type:	FAKRA JACK
Part No.:	FA092-M01G1AY-B

1.Application

This specification covers the requirements for Earphone Jacks used for radios, radio cassette,cassette rape recorders, TV'S, video disk units, etc.

2.CONSTRUCTION:

1.1	Outline and dimension: Outline and dimension of the jack shown be as attached part drawing.
1.2	Appearance: Every part should be finished not to be shoret of expect, crack, plated bad plating.
1.3	Contact method: white plug-in contact.

3. Construction:

3-1.Appearance:

Must be no curve, crack, dirty, corrosion, discoloration and significant discoloration.

3-2.Outline and dimension

The parts and materials shown be in material identification sheet and certification of material.

4. Electrical efficiency:

Item	Property	Test condition	Performance
4-1	Withstand voltage	The Jack shall be withstanded in AC 800V between mutually insulated pin contacts for one minute.	Without breakdown.
4-2	Insulation resistance	Using a 500 volts DC insulation resistance meter between mutually insulated terminals.	500 MΩ min
4-3	Contact resistance	Between terminals of the jack to be made a closed circuit: The test current: 30 mΩ Open voltage: 30V	30 mΩ Max

5. Mechanical efficiency

5-1	Insertion and extraction force	Measures with a load cell or equivalent. The matching plug shall be inserted into the jack and extracted from the jack slowly.	Insertion: 9.8N Max extraction :34N Min Belt fastener.
5-2	Terminal strength	Terminal and the rubber core assembly, in the same axial direction, each terminal should force can withstand 15N to 25 ±3mm/ seconds, the terminal pull out rubber shell strength.	Without losing and breakdown, but deformation of terminal is accepted.
5-3	Terminal is keep the rubber core force	A single PIN terminal at the same axial force, each terminal should be able to withstand min30N, 25 ± 3mm/ seconds per second speed, strength the terminal into the rubber core.	Without losing and breakdown.

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SPECIFICATION

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6. Solder-ability

Item	Property	Test condition	Performance
6-1	Resistance to soldering heat test	1 Resistance to soldering heat test The jack terminal shall be dipped in solder under the condition as specified below: Temperature of solder: 260 ± 5 C.. Dip time: 3-5 seconds.	The jack shall be comply with paragraphs 4 and 5,and not show.
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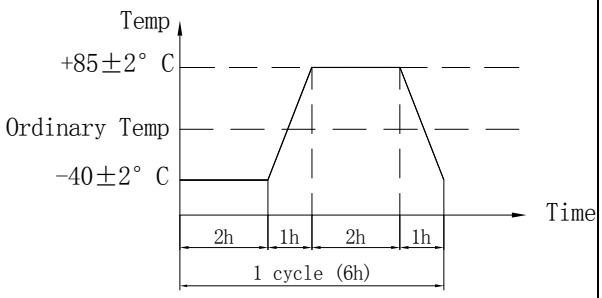
7-1	Temperature cycle test	The jack be subjected to conditions 5cycle as shown in below, and the shall returned and allowed to remain in ambient condition for 500 hours. 	At the conclusion of the test, The jack shall be comply with paragraphs 4 and 5.
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8.Mechanical characteristics

8-1	Vibration test	Vibrate the test samples at frequencies of 10Hz, 55Hz, and then 10Hz, for a round-trip sweep time of one minute each, and apply amplitude of 1.5mm in three directions perpendicular to one another (the X, Y and Z axes) for two hours each. When applying power to the contact part during vibration, use a large enough current to able to detect its interruption.	No evidence of damage.