1. **Scope**

This specification covers the 2.54mm Ejector Header series

2. **Test condition**

The test and measurement, unless otherwise specified, shall be carryout at a temperature of 15 to 35℃, Relative humidity of 30 to 60%, and atmospheric pressure of 86 to 106kPa. However, when any doubt arises on the judgment value it , the test and measurement shall be carry out at a temperature of 20±2℃, relative humidity of 30 to 60%, and atmospheric pressure of 86 to 106kPa.

(Appearance: By looking, there shall not be any abnormality such as deformity, exfoliation of plating, etc, which can reduce performance. No defect such as cracks scratches or blemishes.)

3. **Ordering information**

Refer to the drawing.

4. **Connector dimensions**

Refer to the drawing.

5. **Material**

Housing: Polyester (UL 94V-0)

Color: Black

Terminal: Copper alloy

Plating: Gold plated or Selective gold on contact area, tin on tail

6. **Accommodated P.C.B layout**

Refer to the drawing.

7. **Rating**

Operating voltage(Max.)	250V DC
Current rating(Max.)	3A (AC/DC)
Temperature range-operating	-40°C -- +105°C (Humidity range 85%RH Max.)

8. **Performance**

Test item	Requirement	Procedure
Electrical Performance		
Contact Resistance	20mΩ Max	Mate Connectors, measure by dry circuit, 20mV Max.10MaA. (EIA-364-23)
Insulation Resistance	1000MΩ Min	Mate connectors, apply 500V DC between adjacent terminal or ground. (E1A-364-21C)
Withstanding Voltage	No Breakdown.	Mate connectors, apply 500V AC for 1 minute between adjacent terminal or ground. (EIA-364-20B)

Test item	Requirement		Procedure
Mechanical Performance			
Terminal Retention Force	800gf Min. Only per terminal		Apply axial pull out force on the Terminal assembled in the housing. Rate of 25±3mm per minute.
Durability	Contact Resistance	30mΩ Max	Mate connector up to 100cyses Repeatedly by the rate 500 cycles/h
Environmental Performance and others			
Humidity	Appearance	No Damage	40±2℃ in temperature and 90~95％RH for 96 hours. After testing connector shall be left alone for 1 to 2 hours in a room ambient. (EIA-364-31B)
	Contact Resistance	30mΩ Max	
	Withstanding Voltage	No Breakdown	
Temperature rise	Appearance	No Damage	105 ± 2 ℃ in temperature 96hours. After testing connector shall be left alone for 1 to 2 hours in a room ambient.
	Contact Resistance	30mΩ Max	
Temperature Low	Appearance	No Damage	-40 ± 2 ℃ in temperature 96hours. After testing connector shall be left alone for 1 to 2 hours in a room ambient.
	Contact Resistance	30mΩ Max	
Thermal shock	Appearance	No Damage	Cycle: 5 cycles （a）-40 ℃±3℃ 30 minutes （b）+150℃±3℃ 30 minutes
	Contact Resistance	30mΩ Max	
Solderability	Solder Wetting	95% of immersed area must show no voids, pin holes.	Soldering time: 4~5second(Use flux) Solder Temperature: 245±5℃
Resistance to Soldering Heat (Wave soldering)	Appearance	No Damage	Sample mounted on PCB and subject to wave soldering, Wave Soldering Temperature:260℃for 10 Sec
Resistance to Solder Heat (Reflow)	Appearance	No Damage	Pass Jack through IR machine for 3 cycles of the following reflow profile: Peak Temperature 260℃