



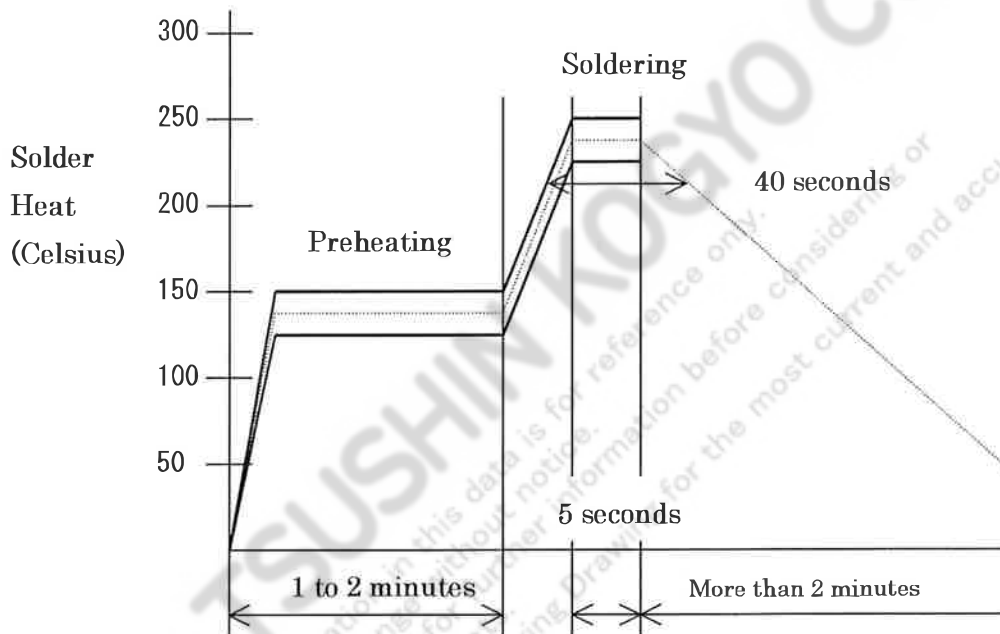


HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN		Date issued		Mar. 7, 2006	
Product Specification RJ-45 Connector with screw lock		Approved by	Checked by	Checked by	Written by
					
		S. Furusawa	T. Sato	Y. Ohki	H. Sato
<p>1. Connector part No. Board jack P/N: MOD-YSJ88D03C+ (Vertical through hole type board jack with stand off screw.) MOD-YSJ88YA03C+ (Right angle SMT type board jack with stand off screw.) Cable plug P/N: MOD-YSP88P03+ (Cable plug with thumb screw.)</p> <p>2. Connector Configuration Connector dimensions, material and plating shall be in accordance with product drawings.</p> <p>3. Connector Specification</p>					
No.	Item	Specification			
1	Current Rating	0.5 amp D.C. maximum per contact			
2	Voltage Rating	125volts A.C. (r.m.s.)			
3	Operating Temperature	-40 to +70 degrees C			
4	Storage Temperature	-55 to +85 degrees C			
5	Humidity	85%Rh maximum			
6	Insulation Resistance	When tested in accordance with method 302 of MIL-STD-202F, Test condition A, insulation resistance shall be a minimum of 100 MΩ at 100 volts D.C.			
7	Dielectric Withstanding Voltage	When tested in accordance with method 301 of MIL-STD-202F, there shall be no breakdown of insulation or flashover at 500 volts A.C. (r.m.s.) for a minute.			
8	Contact Resistance	When tested in accordance with method 3002.1 of MIL-STD-1344, contact resistance shall not exceed 40 mΩ without conductor resistance.			
9	Durability	When subjected to 100 cycles of insertion and withdrawal cycles with mating cable plug at the rate of 600 cycles per hour, there shall be no evident physical damage to the connectors. After the test, the contact resistance shall not exceed 60 mΩ.			
10	Vibration	When tested in accordance with method 201 of MIL-STD-202F, Test condition A (Frequency: 10 Hz to 55Hz, Acceleration: 147 m/s ² peak, Magnitude: 1.52 mm), there shall be no physical damage to the connectors. During the test, there shall be no electrical discontinuity of the test circuit greater than 1 microsecond. (100 mA DC of current is applied to the circuit.) After the test, the contact resistance shall not exceed 60 mΩ.			
11	Shock	When tested in accordance with method 213 of MIL-STD-202F, Test condition A (Semi-sine wave, Acceleration: 490 m/s ² , Standard holding time: 6 msec.), there shall be no physical damage to the connectors. During the test, there shall be no electrical discontinuity of the test circuit greater than 1 microsecond. (100 mA DC of current is applied to the circuit.) After the test, the contact resistance shall not exceed 60 mΩ.			

No.	Item	Specification
12	Static Humidity	<p>When tested in accordance with method 103 of MIL-STD-202F, there shall be no physical damage to the connectors. After the test, the insulation resistance shall not be less than 100MΩ at 100V D.C. and there shall be no breakdown of insulation or flashover at 500V A.C. (r.m.s.) for a minute.</p> <p>The contact resistance shall not exceed 60mΩ.</p> <p>Temperature: +40 degrees C Humidity: 90% to 95% Duration: 96 hours</p>
13	Rapid change of temperature	<p>When tested in accordance with method 107 of MIL-STD-202F, (5 cycles in the environment shown in below program), there shall be no physical damage to the connectors. After the test, the contact resistance shall not exceed 60mΩ.</p> <div style="text-align: center;"> <p>The diagram illustrates a temperature cycle labeled '1 Cycle'. It starts at -55 degrees C for 30 minutes. A ramp of 5 minutes leads to +85 degrees C, where it remains for 30 minutes. Another ramp of 5 minutes leads to +25 degrees C, where it remains for 5 minutes. The total duration of one cycle is 75 minutes.</p> </div>
14	Dry heat	<p>When tested in accordance with method 108A of MIL-STD-202F, there shall be no physical damage to the connectors. After the test, the contact resistance shall not exceed 60 mΩ.</p> <p>Temperature: +85 degrees C Duration: 96 hours</p>
15	Salt Spray	<p>When tested in accordance with method 101 of MIL-STD-202F, Test condition B, there shall be no any excessive corrosion on the every part of connectors.</p> <p>Concentration: 5% Temperature: 35 degrees C Duration: 48hours</p> <p>After the test, the contact resistance shall not exceed 60 mΩ.</p>
16	Resistance to SO ₂ gas	<p>When tested in accordance with JIS H 8502 10.1, there shall be no any excessive corrosion on the every part of connectors.</p> <p>SO₂ Concentration: 10 ppm Duration: 96 hours Temperature: 40 degrees C</p> <p>After the test, the contact resistance shall not exceed 60 mΩ.</p>

No.	Item	Specification
17	Solderability	When board jack is tested in accordance with JIS C 60068-2-20, contact termination area should be at least 95% covered by continuous new solder coating. Solder temperature: 245 degrees C \pm 5 degrees C Duration: 5 seconds
18	Solder Heat	When board jack is tested in accordance with JIS C 60068-2-20 to be placed onto PC Board, there shall be no damage. Reflow soldering Solder temperature: 240 degrees C \pm 5 degrees C Duration: 5 seconds

Reflow temperature profile



Solder bath soldering

Temperature of solder bath: 245 degrees C \pm 3 degrees C

Duration: 5 seconds

Solder iron soldering

Temperature of solder iron: 370 degrees C

Duration: 5 seconds Max.