


HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN			Date: Mar. 26, 2002			
Product Specification <u>Solder dip Male type for PC-Board</u>			Approved by	Checked by	Checked by	Written by
						
			Y.KATO	S.WATANABE	Y.ARAFUNE	S.MURAKAMI
1.Connector Part No.						
		Jan. 5,2015	S.MURAKAMI	Revision for RoHS		
	Rev.	Date	By	Description		
Type			Connector Part No.			
Male Connector			Z-148,Z-149,Z-152,Z-152A (DIC-148,DIC-149,DIC-152,DIC-152A)			
Female Connector			Z-128,Z-129 (DIC-128,DIC-129)			
2.Connector Characteristics						
No.	Item		Specification			
1	Current Rating		1 amp DC maximum per contact			
2	Voltage Rating		125 volts AC (r.m.s.)			
3	Operating Temperature		-25 degree C ~ +80 degree C			
4	Operating Humidity		85 % maximum			
5	Structure, Form, Dimension		When tested in accordance with JIS C 5402 test 4.1, conform to referenced drawings.			
6	Material, Finish		When tested in accordance with JIS C 5402 test 4.2, conform to referenced drawings.			
7	Indication		When tested in accordance with JIS C 5402 test 4.4, conform to referenced drawings.			
8	Mating		When tested in accordance with JIS C 5402 test 4.3, unite with compatible connector.			
9	Insulation Resistance		When tested in accordance with method C of JIS C 5402 test 5.2, the insulation resistance shall be a minimum of 1000 MΩ at 500 volts DC.			
10	Dielectric Withstanding Voltage		When tested in accordance with method C of JIS C 5402 test 5.1, there shall be no breakdown of insulation or flashover at 1000 volts AC (r.m.s.) for a minute.			
11	Contact Resistance		_____			
12	Female Contact Insertion and Withdrawal Force (Individual)		_____			
13	Connector Insertion and Withdrawal Force (Overall)		_____			
14	Humidity		<p>When tested in accordance with JIS C 5402 test 7.3, there shall be no evidence of cracking of the body or other physical damage to the connector. After test the insulation resistance shall be a minimum of 100 MΩ at 500 volts DC and dielectric withstanding voltage shall be no breakdown of insulation or flashover at 1000 volts AC (r.m.s.) for a minute.</p> <p>Humidity : 90 % Test duration : 96 hours Temperature : 40 degree C</p>			

No.	Item	Specification
15	Temperature Cycling	When tested in accordance with JIS C 5402 test 7.2 (Temperature: -55 degree C ~ +85 degree C), there shall be no evidence of cracking of the body or other physical damage to the connector.
16	Vibration	When tested in accordance with JIS C 5402 test 6.1 (10 Hz to 55 Hz, Amplitude: 1.52 mm, Acceleration: 98 m/s ²), there shall be no physical or mechanical damage to the connector.
17	Shock	When tested in accordance with JIS C 5402 test 6.2 (Acceleration: 490 m/s ²), there shall be no physical or mechanical damage to the connector.
18	Mechanical Operation (Durability)	_____
19	Corrosion (Salt spray)	When tested in accordance with JIS C 5402 test 7.1 (Temperature: +35 degree C, Concentration: 5 %, Duration: 48 hours), there shall be no evidence of cracking of the body or other physical damage to the connector.
20	Resistance to H ₂ S Gas	When tested in accordance with JEIDA-38, there shall be no physical or mechanical damage to the connector. H ₂ S gas concentration: 3 ppm Temperature: 40 degree C Test Time: 48 hours
21	Resistance to Solder Heat	When tested in accordance with method 208E MIL-STD-202F (flow temperature 260 degree C, dipping time 5 sec), a through hole board with thickness of 1.6 mm contact termination area should be soldered correctly to the pad in PC board without any damage on the every part of connector.
22	Solder ability	When tested in accordance with JIS C 5402 test 7.11 (flow temperature 260 degree C, dipping time 5 sec), after the test, appearance the termination is 90 % covered by a cont new solder coating.

Notes of soldering work

1. Flux should use the rosin system of noncorrosive.
2. Preheating should be controlled under 100 degree C.
3. Flow temperature under 260 degree C, dipping time under 5 sec.
4. After flow solder should surely perform flux washing. 
Washing liquid : alcohol system
5. Please remove a conformity connector in the case of soldering.

Note

Refer to the product specification of a conformity connector about the item of No. #11, 12, 13, 18, 19 and 20.