

HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN		Sheet	1 OF 2	
		Date issued	MAR 26, 2002	
Product Specification <u>Solder dip Male type for PC-Board</u>		Approved by	Checked by	Prepared by
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1. Connector Part Number				
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	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. Humidity : 90% Test duration : 96 hours Temperature : 40 degree C		

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 55Hz, Amplitude:1.52mm,Acceleration:98m/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: 490m/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 1.6mm contact termination area should besoldered correctly to the pad in PC board without anydamage 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 controled 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 : freon sytem, alcohol system, hlorosen 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.#11,12,13,18,19,20.		