HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN	SHEET	1 OF 4
	DATE	MAR. 15. 2000

PRODUCT SPECIFICATION

PCS-D TYPE CONNECTOR
(SCSI-3 Nonshielded device connector)
Daisy chain type

CHECKED BY	CHECKED BY	WRITTEN BY
K. SATO	K. HOMMA	T. KAWANO

LTR.	DATE	BY	REV. DESCRIPT
△	MAR. 31. 2004	T. K	RoHS, Change quotation standard.

CONNECTOR PART NO.

PCS-D TYPE MALE CONNECTOR
:PCS-D( )(R)M( )1† :Au0. 2μm
:PCS-D( )(R)M( )1G1†:Au0. 76μm

<MATING CONNECTOR>
・PCS-XE TYPE FEMALE CONNECTOR
:PCS-XE( )SFD( )N( )†
・PCS TYPE FEMALE CONNECTOR
:PCS-( )FD( )†

CHARACTERISTICS

No.	ITEM	SPECIFICATION
1	Current rating	1 Ampere DC maximum per contact
2	Voltage rating	250 Volts AC (r. m. s.)
3	Operating temperature	−55 ℃ ~ +85 ℃
4	Storage temperature	−55 ℃ ~ +85 ℃
5	Humidity	85 %RH maximum

No.	ITEM	SPECIFICATION
6	Insulation resistance	When tested in accordance with method 302 of MIL-STD-202F, the insulation resistance shall be a minimum of 1000 MΩ at 500 volts DC.
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 AC (r.m.s.) for a minute.
8	Contact resistance	When tested in accordance with method 3002.1 of MIL-STD-1344, the contact resistance shall not exceed 60 mΩ including the conductor resistance.
9	Connector insertion and withdrawal force (Overall)	·Insertion Force The force required to insert a connector into the mating one shall not exceed 41 N(50pos.), 54 N(68pos.). ·Withdrawal Force The force required to withdraw a connector from the mating one shall not be less than 15 N(50pos.), 19 N(68pos.).
10	Durability	When subjected to 500 cycles of insertion and withdrawal with mating connector at the rate of 600 cycles per hour, there shall be no evidence damage to the connectors such as cracking. After test, the contact resistance shall not exceed 60 mΩ.

No	ITEM	SPECIFICATION
11	Vibration	When tested in accordance with method 204 of MIL-STD-202F test condition B (98 m/s² peak, 10 Hz~500 Hz), there shall be no physical and mechanical damage to the connector. During vibration, there shall be no discontinuity of the test circuit greater than 1 μsec. (100 mA DC of current applied for the circuit.) and the contact resistance shall not exceed 60 mΩ.
12	Shock (Specified pulse)	When tested in accordance with method 213 of MIL-STD-202F test condition C (Acceleration 490 m/s², Standard holding time 6 msec., Semi sine wave), there shall be no physical and mechanical damage to the connector. During the test, there shall be no discontinuity of the test circuit greater than 1 μsec. (100 mA DC of current applied for the circuit.) and the contact resistance shall not exceed 60 mΩ.
13	Humidity (Steady state)	When tested in accordance with method 103 of MIL-STD-202F test condition B (40±2 ℃, 90 ~95 %RH, 96 Hr). After the test, the insulation resistance shall be no less than 100 MΩ, there shall be no breakdown of insulation and flashover at 500 volts AC (r.m.s.) for a minute and the contact resistance shall not exceed 60 mΩ.
14	Moisture resistance	When tested in accordance with method 106 of MIL-STD-202F (-10~+65 ℃, 90~98 %RH, 10 cycles(240 Hr)). After the test, the insulation resistance shall be no less than 100 MΩ, there shall be no breakdown of insulation and flashover at 500 volts AC (r.m.s.) for a minute and the contact resistance shall not exceed 60 mΩ.

No	ITEM	SPECIFICATION
15	Thermal Shock	When tested in accordance with method 107 of MIL-STD-202F test condition A (-55~+85℃, 10 cycles), there shall be no evidence of cracking and crazing of the body, other physical damage to the connector. After the test, the contact resistance shall not exceed 60 mΩ.
16	Life (At elevated ambient temperature)	When tested in accordance with method 108 of MIL-STD-202F (85℃, 250 Hr), there shall be no evidence of cracking and crazing of the body, other physical damage to the connector. After the test, the contact resistance shall not exceed 60 mΩ.
17	Resistance to cold	When tested in accordance with JIS C 5402 7. 9 (-55℃, 250 Hr), there shall be no evidence of cracking and crazing of the body, other physical damage to the connector. After the test, the contact resistance shall not exceed 60 mΩ.
18	Salt spray (Corrosion)	When tested in accordance with method 101 of MIL-STD-202F test condition B (Concentration 5%, 48 Hr), there shall be no any excessive corrosion on the every part of connector. After the test, the contact resistance shall not exceed 60 mΩ.
19	Hydrogen Sulfied (H_2S)	When tested in accordance with JIS H 8502 ~~JEIDA-38 (Issued by Japan Electronic Industry Development Association, as hydrogen sulphide environmental test method of connectors)~~. Connectors are exposed in such environment with H_2S gas of 3±1 ppm, 96 hours, there shall be no any excessive corrosion on the every part of connector. After the test, the contact resistance shall not exceed 60 mΩ.