

HONDA TSUSHIN KOGYO CO.,LTD. TOKYO JAPAN	Sheet		1 of 3		
	Date issued		Feb 09,2000		
Product Specification FFC Series Connectors	Approved by	Checked by	Checked by	Prepared by	
	<i>K.Kashio</i> K.Kashio	<i>C.Nunokawa</i> C.Nunokawa	<i>S.Iijima</i> S.Iijima	<i>M.Miyazaki</i> M.Miyazaki	
1.Connector Part Number	4	070727	M.Miyazaki	Change part	K.Kashio
	3	051128	M.Miyazaki	Add Part and sheet3	H.Ebihara
	2	050714	M.Miyazaki	Add Part	H.Ebihara
	1	040617	M.Miyazaki	Revise and Add Part	H.Ebihara
	LTR.	DATE	BY	REV.DEScript	APP.
Type		Connector Part Number			
Straight single-row type		FFC-(1-52)(T)AMEP() (B)			
Right angle single-row type		FFC-(1-52)(T)LAMEP() (B)			
Straight double-row type		FFC-(4-144)(T)BMEP() (B) \triangle			
Right angle double-row type		FFC-(2-144)(T)LBMEP() (B)			
Right angle single-row wide type		FFC-(1-52)(T)LAW() (B)			
Right angle double-row wide type		FFC-(2-70)(T)LBW() (B)			
\triangle	Straight single-row type(Round pin)		FFC-(1-52)(T)CM()		
\triangle	Straight double-row type(Round pin)		FFC-(4-144)(T)DM() \triangle		
			FFC-(4-56)(T)HM() B \triangle		
\triangle	Straight single-row type(Flux keep-down)		FFC-(1-52) (T)ASM() (B)		
\triangle	Straight double-row type(Flux keep-down)		FFC-(4-144) (T)BSM() (B) \triangle		
\triangle	Straight triple-row type(Flux keep-down)		FFC-(3-120) (T)NSM() (B)		
2.Connector configuration					
Connector dimensions, material and plating shall be in accordance with the referenced drawings.					
3. Connector Specification					
No.	Item	Specification			
1	Voltage Rating	300V AC (r.m.s.)			
2	Current Rating	3A DC			
3	Operating Temperature	-40°C to +85°C			
4	Humidity	85 % max.			

No.	Item	Specification
5	Dielectric withstanding Voltage	1000V AC(r.m.s.)/1 min.
6	Insulation Resistance	1000 MΩ or more at 500V DC.
7	Contact Resistance	It is based on the mating connector.
8	Humidity, steady state	MIL-STD-202F-103B Method B 90 to 95 %,40± 2°C, Duration: 96hours Insulation Resistance: 1000MΩ or more. Dielectric withstanding Voltage: 500V AC (r.m.s.)/1min
9	Thermal Shock	MIL-STD-202F-107G Method A -55 to 85°C,5 cycles Appearance: There shall not be physical or mechanical damage to the connector.
10	Vibration	MIL-STD-202F-204D Method A Frequency: 10 to 500Hz,Electrical Load:100mA DC Acceleration Peak:98m/s ² 2 hours,X.Y.Z.directions each. Appearance: There shall not be physical or mechanical damage to the connector.
11	Shock	MIL-STD-202F-213B Method H Acceleration Peak:490m/s ² Electrical Load:100mA DC 6 times,X.Y.Z.directions each. Appearance: There shall not be physical or mechanical damage to the connector.
12	Corrosion , Salt mist	MIL-STD-202F-101E Method B 5% solution, Duration: 48hours Appearance: There shall not be excessive corrosion.
13	Hydrogen sulfide	JIS H 8502 10.2 H ₂ S:3± 1 ppm,40± 1 °C, Duration: 48hours Appearance: There shall not be excessive corrosion.
14	Contact Retention Force	Contact shall not be pulled out from insulator less than 4.9N.

No.	Item	Specification
15	Resistance to Soldering Heat	MIL-STD-202F-210A Method B Solder bath method 260 ± 5°C, Time: 10± 1sec Soldering iron method △ 380°C max. , Time: 5sec max. without much pressure to the terminal pin. Appearance: There shall not be excessive thermal damage on the connector.

Note

Please perform flux washing after flow solder. Please test under actual washing conditions, and check that there is no influence of cracking, swelling, dissolving or any other defect.