HONDA TSUSHIN KOGYO CO.,LTD. TOKYO JAPAN	Sheet	1 of 3
	Date issued	Sep 27,1992

Product Specification HKP Series Connectors	Approved by	Checked by	Checked by	Prepared by
	H.Ebihara	C.Nunokawa	-	M.Miyazaki

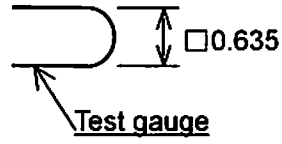
LTR.	DATE	BY	REV.DESCRIPT	APP.
1	050704	M.Miyazaki	Revise and Add Part	H.Ebihara

1.Connector Part Number

Type	Connector Part Number
Straight single-row dip type	HKP－( )FDS2
	HKP－( )FDS5
	HKP－( )FDS6
	HKP－( )FDS7
Straight double-row dip type	HKP－( )FD2
	HKP－( )FD5
	HKP－( )FD6
	HKP－( )FD7
	HKP－( )FD8

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 max, per contact
3	Operating Temperature	-40°C to +105°C
4	Humidity	90 % max.
5	Insulation Resistance	1000 MΩ or more at 500V DC.
6	Dielectric withstanding Voltage	1000V AC(r.m.s.)/1 min.
7	Contact Resistance	MIL-STD-1344A 3002.1 Contact resistance shall not exceed 10 mΩ per contact.
8	Contact insertion and pulling force	oInsertion Force The force required to insert the test gauge into any contact shall not exceed 2.94N per contact. oWithdrawal Force The force required to pull the test gauge from any contact shall not be less than 0.39N per contact. 
9	Vibration	MIL-STD-202F-201A Frequency: 10 to 55Hz Amplitude: 1.52mm Appearance: There shall not be physical or mechanical damage to the connector.
10	Shock	MIL-STD-202F-213B Method A Acceleration Peak:490m/s^2 X,Y,Z axis each by 3 times. Appearance: There shall not be physical or mechanical damage to the connector.
11	Durability	When subjected to 100 cycles of insertion and withdrawal forces with mating connector at the rate of 600 cycles per hours. Contact Resistance: 20 mΩ max.

No.	Item	Specification
12	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.
13	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
14	Corrosion , Salt mist	MIL-STD-202F-101E Method B 5% solution, Duration: 48hours Appearance: There shall not be excessive corrosion. Contact Resistance: 20 mΩ max.
15	Hydrogen sulfide	JIS H 8502 10.2 H_2S:3± 1 ppm,40± 1 °C, Duration: 96hours Appearance: There shall not be excessive corrosion. Contact Resistance: 20 mΩ max.
16	Solderability	When connectors are assembled to printed circuit boards. Temperature :230℃ for 5 to 10 seconds. Appearance: Solderable area shall have a minimum of 95% solder coverage.
17	Resistance to Soldering Heat	Solder bath method 260 ± 5°C, Time: 10 ± 1sec Soldering iron method 380°C , Time: 5sec without much pressure to the terminal pin. Appearance: There shall not be excessive thermal damage on the connector.
18	Solvent Resistance	MIL-STD-202F-215E The connector shall be capable of being cleaned by ethyl alcohol. Appearance: There shall be no evidence of swelling, cracking, dissolving or any other defect.

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.