

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
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1.Connector Part Number				
	1	050704	M.Miyazaki	Revise and Add Part
	LTR.	DATE	BY	REV.DEScript
				APP.
Type		Connector Part Number		
Straight single-row type		HKP-()M5S(T,E)		
		HKP-()M5T		
		HKP-()MV5S		
		HKP-Z9-()		
Straight single-row Wrapping type		HKP-()M5WS		
Right angle single-row type		HKP-()M5LS(E)		
		HKP-()MV5LS		
Straight double-row type		HKP-()M2(H,E)		
		HKP-()MV2(E)		
		HKP-()TM2		
		HKP-()M2WT(H,E)		
		HKP-()M2WT2		
		HKP-()M2WT3		
		HKP-()M2WS		
		HKP-()M1(E,Z)		
		HKP-()M3T		
		HKP-()M3TM		
		HKP-()M4T		
		HKP-()M6,24,29		
		HKP-()M8(H)		
HKP-()M12S				
Straight double -row Wrapping type		HKP-()M2W		
Right angle double-row type		HKP-()M2L(E)		
		HKP-()MV2L		
		HKP-()MVB2L		
		HKP-()M6L(E)		
Straight double -row type with lock screw		HKP-()M4-S2		
Right angle double-row type with lock screw		HKP-()M4L-S2		
Straight double -row Wrapping type with lock screw		HKP-()M4W-S2		

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	It is based on the mating connector.
8	Vibration	MIL-STD-202F-201A Frequency: 10 to 55Hz Amplitude: 1.52mm Appearance: There shall not be physical or mechanical damage to the connector.
9	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.
10	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.
11	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
12	Corrosion , Salt mist	MIL-STD-202F-101E Method B 5% solution, Duration: 48hours Appearance: There shall not be excessive corrosion.

No.	Item	Specification
13	Hydrogen sulfide	JIS H 8502 10.2 H ₂ S:3 ± 1 ppm,40 ± 1 °C, Duration: 96hours Appearance: There shall not be excessive corrosion.
14	Solderability	When connectors are assembled to printed circuit boards. Temperature :230°C for 5 to 10 seconds. Appearance: Solderable area shall have a minimum of 95% solder coverage.
15	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.
16	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.
17	Contact Retention Force	Contact shall not be pulled out from insulator less than 9.8N.

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.