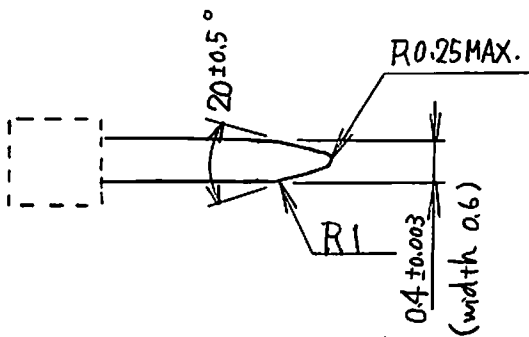


HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN	SHEET	1 OF 4		
	DATE	APR-21, 1998		
PRODUCT SPECIFICATION  1. 27mm SPACING BOARD TO BOARD CONNECTOR	APPROVED BY	CHECKED BY	CHECKED BY	WRITTEN BY
	<i>H. Miyazaki</i> H. MIYAZAKI	<i>Y. Hirai</i> Y. HIRAI	<i>K. Sato</i> K. SATO	<i>H. Aizawa</i> H. AIZAWA

CONNECTOR PART NO.

MALE TYPE P/N: PCS-( ) MD ( ), LMD ( )  
 FEMALE TYPE P/N: PCS-( ) FD ( ), LFD ( )

CHARACTERISTICS

Item	Conditions and Specifications
1 Current rating	1A
2 Voltage rating	AC 250 V (r. m s.)
3 Operating temperature	-55°C ~ 105°C
4 Storage temperature	-55°C ~ 105°C
5 Humidity	85 % Rh maximum
6 Insulation resistance	Conform to MIL-STD-1344, method 3003. The insulation resistance shall be a minimum of 100MΩ at 500V DC.
7 Dielectric withstanding voltage	Conform to MIL-STD-1344, method 3001. There shall be no breakdown of insulation or flashover at 750V AC (r. m s) for a minute
8 Contact resistance	Conform to JIS C 5402, method 5. 4. The contact resistance shall not exceed 35mΩ including the conductor resistance.
9 Female contact insertion and pulling force (Individual)	Using steel gauge. (Fig-1) ① Insertion Force: 1. 47N (150g) maximum . ② Pulling Force : 0. 29N (30g) minimum . 

Item	Conditions and Specifications				
10 Connector insertion and withdrawal force (Overall)	No of contact	34	48	68	96
	Insertion force (Max.)	29.4 N (3 kgf)	39.2 N (4 kgf)	53.9 N (5.5 kgf)	68.6 N (7 kgf)
	Withdrawal force (Min.)	9.8 N (1 kgf)	14.7 N (1.5 kgf)	19.6 N (2 kgf)	29.4 N (3 kgf)
	No of contact	128	150	240	
	Insertion force (MAX.)	93.2 N (9.5 kgf)	107.9 N (11 kgf)	173.6 N (17.7kgf)	
	Withdrawal force (MIN.)	37.3 N (3.8 kgf)	44.1 N (4.5 kgf)	70.6 N (7.2 kgf)	
11 Humidity	<p>Conform to MIL-STD-1344, method 1002, type I condition A (40±2°C, 90 to 95%Rh, 96hours)</p> <p>①Insulation resistance The insulation resistance shall be a minimum of 100MΩ at 500V DC.</p> <p>②Dielectric withstanding voltage There shall be no breakdown of insulation or flashover at 750V AC(r.m.s) for a minute</p> <p>③Contact Resistance The contact resistance shall not exceed 35mΩ including the conductor resistance.</p>				
12 Thermal shock	<p>Conform to MIL-STD-1344, method 1003. (-55 ~ 105°C, 10cycle)</p> <p>①Appearance There shall be no evidence of cracking or crazing of the body or other physical damage to the connector.</p> <p>②Contact Resistance The contact resistance shall not exceed 35mΩ including the conductor resistance.</p>				
13 Vibration	<p>Conform to MIL-STD-1344, method 2005, condition II.</p> <p>Frequency: 10 to 500 Hz. Electrical load: 100 mA D. C. Acceleration peak: 10 G Double amplitude : 1.52mm 3hours x, y, z directions each.</p> <p>①Appearance There shall be no physical or mechanical damage to the connector.</p> <p>②Contact chattering There shall be no discontinuity of the test circuit greater than 1μsec during vibration.</p>				

	Item	Conditions and Specifications
14	Shock	<p>Conform to MIL-STD-1344, method 2004, condition E  Acceleration peak:50 G  Electrical load:100 mA D. C.  4 times, x, y, z. directions each.</p> <p>①Appearance  There shall be no physical or mechanical damage to the connector.</p> <p>②Contact chattering  There shall be no discontinuity of test circuit greater than 1μsec during the test.</p> <p>③Contact Resistance  The contact resistance shall not exceed 35mΩ including the conductor resistance</p>
15	Durability	<p>After 500 times of insertion and withdrawing, the contact resistance shall not exceed 35mΩ including the conductor resistance.</p>
16	Corrosion (Salt spray)	<p>Conform to MIL-STD-1344, method 1001.  ( 5 % solution , 48hours. )</p> <p>①Appearance  There shall be no any excessive corrosion on the every part of connector.</p> <p>②Contact Resistance  The contact resistance shall not exceed 35mΩ including the conductor resistance.</p>
17	Mixed Flowing Gass ( H <sub>2</sub> S )	<p>Conform to JEIDA-25  (H<sub>2</sub>S:3±1ppm , 40°C , 500hours. )</p> <p>①Appearance  There shall be no any excessive corrosion on the every part of connector.</p> <p>②Contact Resistance  The contact resistance shall not exceed 35mΩ including the conductor resistance.</p>
18	High temperature life	<p>Conform to MIL-STD-1344, method 1005.  ( 85°C , 1000 hours )</p> <p>①Appearance  There shall be no evidence of cracking or crazing of the body or other physical damage to the connector.</p> <p>②Contact Resistance  The contact resistance shall not exceed 35mΩ including the conductor resistance.</p>

	Item	Conditions and Specifications
19	Resistance to solvents	Conform to MIL-STD-202E, methd 215. When the connecor cleaned by Ethyl-Alcohol , the insulator shall be no change color or no dissolve. .
20	Solder ability	Conform to MIL-STD-202E, methd 208. (245±5°C , 5sec.)  ①Appearance The termination is 95% covered by a continuous new solder coating.  ②There are no solderite on the contact area.
21	Resistance to soldering heat.	Conform to MIL-STD-202E, method 210 condition C (260±5°C , 10 sec.)  ①Appearance There shall be no breakage or crack which can be detrimental for use.  ②There shall be no lossing of the contact.
22	Temperature rise	Shall apply 1A of current for all contacts throughout the test, temperature rise shall be below 30 °C .