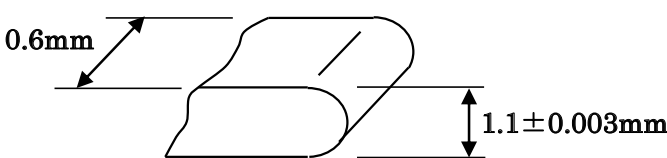
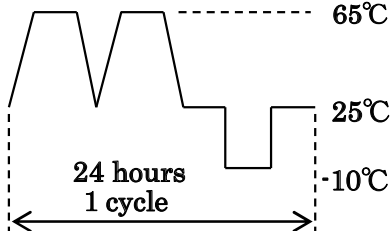
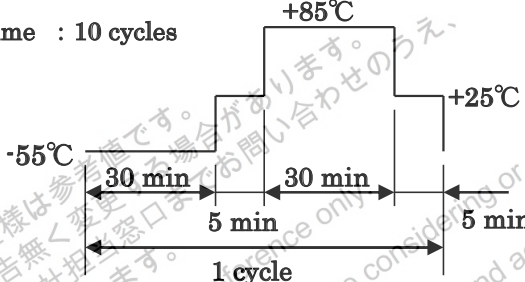


HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN		SHEET	1 OF 3		
		DATE	May.26.2022		
PRODUCT SPECIFICATION 0.8mm SPACING HIGH DENSITY CONNECTOR FOR BOARD TO CABLE.		APPROVED BY	CHECKED BY	WRITTEN BY	
		<i>Y. Kato</i> Y. Kato	<i>T. Sato</i> T. Sato	<i>S. Yoshida</i> S. Yoshida	
RoHS compliant					
		REV.	DATE	CHANGED BY	DESCRIPTION
CONNECTOR PART NO.					
TYPE		PART NO.		NOTE	
Board to Cable	Board side	Female	HDRP-EC26LFDTG2-()+	Right angle dip type connector with locking post and board lock pin Recommended tightening torque of lock screw : 0.18Nm	
	Cable side	Male	HDRP-E26MSG1+	Soldering type connector Wire accommodation size : #28 AWG (7/0.127) O.D 0.58~0.7	
	Cable cover		HDR-E26LPHP+	Shielded cover with shell, boot case and locking screw	
			HDR-E26LPJP+	Shielded cover with shell, boot case and locking clip	
CHARACTERISTICS					
No.	ITEM	SPECIFICATION			
1	Current Rating	1.2 amp DC maximum, per contact			
2	Voltage Rating	125 volts AC (r.m.s.)			
3	Operating Temperature	-55℃~+85℃(Cable cover use condition : -40℃~+70℃)			
4	Storage Temperature	-5℃~40℃			
5	Humidity	90%RH maximum			
6	Insulation Resistance	When tested in accordance with MIL-STD-202F 302, the insulation resistance shall be a minimum of 500 MΩ at 250 volts DC.			
7	Dielectric Withstanding Voltage	When tested in accordance with MIL-STD-202F 301, there shall be no breakdown of insulation or flashover at 350 volts AC (r.m.s.) for a minute.			
8	Contact Resistance	Contact to contact When tested in accordance with JIS C 5402 5.4, the contact resistance shall not exceed 70mΩ including the conductor resistance.			

No.	ITEM	SPECIFICATION												
9	Female Contact Insertion and Pulling Force (Individual)	<p>Insertion Force The force required to insert the test gauge into any contact shall not exceed 2.45 N per contact.</p> <p>Pulling Force The force required to pull the test gauge from any contact shall not be less than 0.294 N per contact.</p> 												
10	Connector Insertion and Withdrawal Force (Overall)	<p>○Insertion Force The force required to insert a connector into the mating one shall not exceed the values in the below table.</p> <p>○Withdrawal Force The force required to withdraw a connector from the mating one shall not be less than the values in the below table.</p> <p style="text-align: right;">UNIT : N</p> <table border="1" data-bbox="673 878 1340 1111"> <thead> <tr> <th>No. of pos.</th> <th>Insertion Force</th> <th>Withdrawal Force</th> </tr> </thead> <tbody> <tr> <td>26</td> <td>39.2 max.</td> <td>3.5 min.</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	No. of pos.	Insertion Force	Withdrawal Force	26	39.2 max.	3.5 min.						
No. of pos.	Insertion Force	Withdrawal Force												
26	39.2 max.	3.5 min.												
11	Durability	<p>When subjected to 500 cycles of insertion and withdrawal forces with mating connector at the rate of 600 cycles per hours, there shall be no evidence damage to the connectors such as cracking. After test, “the contact to contact” resistance shall not exceed 70m Ω.</p>												
12	Vibration	<p>When tested in accordance with MIL-STD-202F 204D, there shall be no physical or mechanical damage to the connector. During vibration, there shall be no discontinuity of the test circuit greater than 1 microsecond. (100 mA DC of current applied for the circuit.)</p> <p>Frequency : 10 ~ 500Hz Amplitude : 1.52mm Direction : X,Y,Z (3 axes) Test Time : 3 hours/1 axis</p>												
13	Physical Shock	<p>When tested in accordance with MIL-STD-202F 213B, there shall be no physical or mechanical damage to the connector. During the test, there shall be no discontinuity of the test circuit greater than 1 microsecond. (100 mA DC of current applied for the circuit.)</p> <p>After test, “the contact to contact” resistance shall not exceed 70m Ω.</p> <p>Acceleration : 490m/s² Test Time : 11nm Direction : +X,-X,+Y,-Y,+Z,-Z (6 directions) Number of times : 3 times/1 direction</p>												

No.	ITEM	SPECIFICATION
15	Humidity Temperature Cycling (Except Cable Cover For Cable Connector)	<p>When tested in accordance with MIL-STD-202G 106G, after the test, the insulation resistance shall be no less than 500 MΩ, there shall be no breakdown of insulation or flashover at 350 volts AC (r.m.s.) for a minute and "the contact to contact" resistance shall not exceed 70mΩ.</p> <p>Test Time : 10 cycles</p> 
15	Thermal Shock (Except Cable Cover For Cable Connector)	<p>When subjected to 10 cycles in such environment as shown below program, there shall be no evidence of cracking or crazing of the body or other physical damage to the connector. After test, "the contact to contact" resistance shall not exceed 70mΩ.</p> <p>Test Time : 10 cycles</p> 
16	High Temperature Life (Except Cable Cover For Cable Connector)	<p>When tested in accordance with MIL-STD-1344 1005, there shall be no evidence of cracking or crazing of the body or other physical damage to the connector. After test, "the contact to contact" resistance shall not exceed 70mΩ.</p> <p>Temperature : +85°C Test Time : 1000 hours</p>
17	Salt Spray	<p>When tested in accordance with MIL-STD-202G 101E, Test condition A, there shall be no any excessive corrosion on the every part of connector. After test, "the contact to contact" resistance shall not exceed 70mΩ.</p> <p>Concentration : 5% Temperature : +35°C Test Time : 48 hours</p>
18	H ₂ S gas (Hydrogen sulfide)	<p>W When tested in accordance with JIS H 8502 10.2, Test condition A, there shall be no any excessive corrosion on the every part of connector. After test, "the contact to contact" resistance shall not exceed 70mΩ.</p> <p>Concentration : 3ppm Temperature : +40°C Test Time : 48 hours</p>
19	Connector Locking Force	<p>When mated with mating connector with the case, and they are locked in place, the minimum retention force shall be no less than 98N.</p>
<p>Precautions when soldering (Recommended Conditions) <u>PC board Connector side</u> Flow soldering (solder tub) : 260±3°C, 5+1/-0 seconds.</p> <p><u>PC board Connector side and Cable Connector side</u> Manual soldering (soldering iron) : 380±10°C, 4 seconds.</p>		