



Part No.	YY-0600 Series	PRODUCT SPECIFICATION		Document No.		SP-0600 ( H&T - 217)													
Title	1.00mm(.039") Pitch Series Connector			Rev.	A0	Page	1 of 4												
<p>1. Scope</p> <p>This specification covers the 1.00mm Pitch Connector series.</p> <p>2. Product &amp; Part Number</p> <table border="1"><thead><tr><th>Product Name</th><th>Product Number</th></tr></thead><tbody><tr><td>Housing</td><td>YY-0600-H**</td></tr><tr><td>Terminal</td><td>YY-0600-TTBP</td></tr></tbody></table> <p>3. Material</p> <table border="1"><thead><tr><th>Product Name</th><th>Material</th></tr></thead><tbody><tr><td>Housing</td><td>PBT UL94V-0</td></tr><tr><td>Terminal</td><td>Phosphor Bronze , Tin - Plated</td></tr></tbody></table> <p>4. Shape, Construction and Dimensions</p> <p>See attached drawings</p>								Product Name	Product Number	Housing	YY-0600-H**	Terminal	YY-0600-TTBP	Product Name	Material	Housing	PBT UL94V-0	Terminal	Phosphor Bronze , Tin - Plated
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Housing	YY-0600-H**																		
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5. Ratings and applicable wires

	ITEM	STANDARD	
5-1	Current Rated (Max.)	1A	AC / DC
5-2	Voltage Rated (Max.)	50V	
5-3	Applicable wire insulation O.D	AWG #28 、 #30 、 #32 Insulation O.D. 0.80mm (Max.)	

6. Electrical Performance

	ITEM	TEST CONDITION	REQUIREMENT
6-1	Contact Resistance	Mate connectors ,measure by dry circuit 20mV Max., 10mA . (EIA 364-06A)	20 mΩ Max.
6-2	Insulation Resistance	Mate connectors , apply 500V DC between adjacent terminal or ground. (EIA 364-21B / MIL-STD-202 Method 302 Cond. B)	100 MΩ Min.
6-3	Dielectric Strength	Mate connectors , applied 500V AC for 1 minute between adjacent terminal or ground. (EIA 364-20A / MIL-STD-202 Method 301)	No Breakdown and Flashover
6-4	Contact Resistance on crimped portion	Crimp the applicable wire on to the terminal measure by dry circuit 20mV Max., 10mA.	10 mΩ Max.



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### 7. Mechanical Performance

	ITEM	TEST CONDITION	REQUIREMENT	
7-1	Terminal / Housing Retention Force	Apply axial pull out force at the speed rate of 25 ± 3 mm / minute on the terminal assembled in the housing	0.5 Kgf Min.	
7-2	Terminal Insertion Force	Insert the crimped terminal into the housing	0.5 Kgf Max.	
7-3	Tensile strength (Crimped connections)	Fix the crimped terminal, apply axial pull out force on the wire. (Do not crimp insulation part)	AWG	Kgf (Min.)
			#28	1.0
			#30	0.8
			#32	0.5
			Note>As for unspecified wire sizes in this specification define values with clients	

### 8. Environmental Performance and Others

	ITEM	TEST CONDITION	REQUIREMENT
8-1	Repeated Insertion / Withdrawal	When mated up to 50 cycles repeatedly by the rate of 10 cycles per minute	Contact Resistance 40 mΩ Max.
8-2	Temperature Rise	Carrying rated current load. (UL1977)	30°C Max.
8-3	Vibration	Amplitude : 1.5mm P-P Sweep time : 10~55~10 HZ in 1 minute Duration : 2 hours in each X. Y. Z. axials (EIA 364-28B / MIL-STD-202 Method 213B Cond. A)	Contact resistance : 40mΩ Max. Appearance : No Damage Discontinuity : 1.0 microsecond Max.
8-4	Shock	50g , 3 strokes in each X.Y.Z. axes (EIA-364-27B/MIL-STD-202 Method 213B Cond.A)	Contact resistance : 40mΩ Max. Appearance : No Damage Discontinuity : 1.0 microsecond Max.



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	ITEM	TEST CONDITION	REQUIREMENT
8-5	Heat Resistance	85 ± 2°C , 96 hours. (MIL-STD-202 Method 108A Cond.A)	Contact resistance : 40mΩ Max. Appearance : No Damage
8-6	Cold Resistance	-25 ± 5°C , 96 hours. (EIA 364-105)	Contact resistance : 40mΩ Max. Appearance : No Damage
8-7	Humidity	Temperature : 40 ± 2 °C Relative Humidity : 90~95% Duration : 96 hours (EIA 364-31A / MIL-STD-202 Method 103B Cond. B)	Contact resistance : 40mΩ Max. Appearance : No Damage Dielectric Strength : To pass para.6-3 Insulation Resistance: 100mΩ Min.
8-8	Temperature Cycling	5 cycles of : (a)-55°C , 30 minutes (b)+85°C , 30 minutes (EIA 364-32B)	Contact resistance : 40mΩ Max. Appearance : No Damage
8-9	Salt Spray	24 ± 1 hours exposure to a salt spray from the 5 ± 1% solution at 35 ± 2°C (EIA 364-26A / MIL-STD-202 Method 101D Cond.B)	Contact resistance : 40mΩ Max. Appearance : No Damage
8-10	Solder ability	Soldering Time : 5 ± 0.5 sec. Solder Temperature : 245 ± 5°C (EIA-364-52)	Minimum : 95% of immersed area must show no voids, pin holes.
8-11	Solder Resistance	Soldering Time : 10 ± 0.5 sec solder Temperature : 260 ± 0.5°C (EIA-364-56A)	No Damage.

9. Ambient Temperature Range : -25 °C ~ + 85°C