



Title: 5.08mm(.200") Pitch Wire to board Connector

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REV:
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Document NO
A5081

Product name & Part number

Product name	Part number
Housing	YY-2900-H-GT
Wafer	YY-2900-WR&WS
Terminal	YY-2500-T

Product Specifications

Item	Standard
Rated Voltage	250V AC,DC
Rated Current	7A
Withstanding Resistance	1500V AC/minute
Insulation Resistance	1000M Ohms/Min
Temperature Range	-25°C ~+85°C

Material

Product name		Material
Housing		Nylon 66 UL 94V-2
Wafer	Body	Nylon 66 UL 94V-2
	Pin	Brass/Tin-plated
Terminal		Brass/Tin/Gold-plated
		Phosphor Bronze/Tin-plate

Mechanical Performance

Item	Test Condition	Requirement
Insertion and Withdrawal Force	Insert and Withdraw connectors at the speed rate of 25±3mm/minute	1.0Kgf(MAX Insertion force) 0.15Kgf(MIN Withdrawal force)
Terminal/ Housing Retention Force	Apply axial pull out force at the speed rate of on the terminal assembled in the housing	3.0Kgf MIN
Contact retention force	Axial pullout force on the terminal in the housing at a rate of 25±3mm per minute	2.5Kgf(Min retention force)
Crimping Pull Out Force	Apply an axial pullout force on the wire at a rate of 25±3mm	AWG #16 13.7Kgf (MIN)
		AWG #18 9.1Kgf (MIN)
		AWG #20 8.2Kgf (MIN)
		AWG #22 4.6Kgf (MIN)
		AWG #24 3.0Kgf (MIN)

Environmental Performance

Item	Test Condition	Requirement
Solderability	Soldering Time:3±0.5sec Solder Temperature:235±5°C	Minimum:95% of immersed area
Resistance to soldering heat	Dip connector terminal tails in solder Soldering Time:5±0.5sec Solder Temperature: 235±5°C	NO Damage

CREATED

CHECKED

APPROVED

DATE

Louis

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2006/8/30