



ATTEND
Connect to Your Success

SPECIFICATION AND PERFORMANCE

SERIES:
115H-BA00 Series

FILE:
115H-BA00_spec

DATE:
2013/08/05

Scope:

This specification covers the requirements for product performance, test methods and quality assurance provisions of 115H-BA00.

Performance and Descriptions:

The product is designed to meet the electrical, mechanical and environmental performance requirements specification. Unless otherwise specified, all tests are performed at ambient environmental conditions.

RoHS:

All material in according with the RoHS environment related substances list controlled.

MATERIAL AND FINISH

INSULATOR	Material	Housing: LCP UL94 V-0 Black
CONTACT	Material	Contact: Phosphor Bronze C5210
	Plating	Contact Area: Gold Flash Tin Plating on Solder Tail
SHELL OR COVER	Material	Shell: Stainless Steel SUS304
	Plating	Shell: Nickel Plating Gold Flash Plating on Solder Tail
RATING		Current Rating: 0.5A Voltage Rating: 100VAC Operating temperature : -40°C to +85°C Storage temperature : -40°C to +85°C



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ELECTRICAL		
Item	Requirement	Test Condition
Contact Resistance	30 m Ohm Max(Initial) 60 m Ohm Max (Final)	Subject mated contacts assembled in housing to 20mV Max open circuit at 100mA Max. EIA-364-6B.
Insulation Resistance	500 M Ohm Min.	Impressed voltage 500 VDC. Test between adjacent circuits of unmated connector. EIA-364-21C.
Dielectric withstanding Voltage	No creeping discharge or flashover shall occur. Current leakage: 1.0 mA Max	500VAC for 1minute Test between adjacent circuits of unmated connector. EIA-364-20B

MECHANICAL		
Item	Requirement	Test Condition
Durability	5000Cycle	Operation Speed : 100 cycle/min. Durability Cycles : 5,000 Cycles EIA-364-9C
Contact Retention Force	200 gf/ Per Pin Min.	Measure the contact retention force with Tensile strength tester.



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ENVIRONMENTAL

Item	Requirement	Test Condition
Thermal Shock	No Damage	Mated Connector -40+/-3°C (30minutes), +85+/-2°C (30 minutes)Perform this a cycle, repeat 5 cycles EIA-364-32C
Humidity-Temperature Cycle	No Damage	Mated Connector 25~65°C ,90~95% RH, 10 Cycles EIA-364-31B.
Temperature Life (Heat Aging)	No Damage	Mated Connector 85°C , 250hours, EIA-364-17B.
Salt Spray	No detrimental corrosion allowed in contact area and base metal exposed.	Subject mated connectors to 35+/-2 °C and 5+/-1% salt condition for 24hours. After test, rinse the sample with water and recondition the room temperature for 1 hour. EIA-364-26B.

SOLDER ABILITY

Item	Requirement	Test Condition
Solder ability	The inspected area of each lead must have 95% solder coverage.	Steam Aging Preconditioning : 93+3/-5°C 、100%HR 、8hrs. <J-STD-002 category 3 aging> Solder pot temperature: 260±5°C , 3sec