立威科技股份有限公司 Attend Technology Inc.
新北市汐止區新台五路一段81號10樓之六
10F-6, No.81, Sec.1, Xintai 5th Rd., Xizhi-Dist., New Taipei City 221, Taiwan, R.O.C.
TEL 886 2 2698 7028 FAX 886 2 2698 7078 WEBSITE www.attend.com.tw

SPECIFICATION AND PERFORMANCE

Series	115T-series2	File	115T-series2-spec_1	Date	2021/04/01

Scope:

This specification covers the requirements for product performance, test methods and quality assurance provisions of below table

P/N	Descriptions
115T-AAA1	SIM Card Socket, Bar Push w/switch, w/o post, 1u", Reel, 6 Pin
115T-BAA1	SIM Card Socket, Bar Push w/switch, w/o post, 1u", Reel, 8 Pin
115T-AAB1	SIM Card Socket, Bar Push w/switch, 1u", Reel, 6 Pin
115T-BAB1	SIM Card Socket, Bar Push w/switch, 1u", Reel, 8 Pin
115-00004	SIM Card Tray for 115T Series, Nylon Black

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	
HOUSING	LCP, UL94V-0, Black
CONTACT	Phosphor Bronze, selective 1u" min. Gold Plating on contact area, 50u" min. Tin plating on solder tails, under plating 50u" min. Nickel plating
HOOK	Stainless Steel
SPRING	Stainless Steel
KNOB	LCP, UL94V-0, Yellow
LINK	Stainless Steel
RIVET	Brass, Nickel plating
TRAY of SIM card (P/N:115-00004)	Insulator: Thermoplastic, UL94V-0, Black Shield: Copper alloy, Gold plating over Nickel

Rating	Current Rating: 1A max Voltage Rating: 50VAC max. Operating Temperature Range: -40°C to +85°C Storage Temperature Range: -40°C to +85°C

ELECTRICAL		
Item	**Requirement**	**Test Condition**
Contact Resistance	50mΩ (Initial) ΔR = 40 mΩ Max.	Mate connectors with dry circuit (20 mV, 100mA Max.) EIA-364-23
Insulation Resistance	1000MΩ MIN. (Initial)	After 500 VDC for 1 minute, measure the

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	500MΩ MIN. (Final)	insulation resistance between the adjacent contacts of mated and unmated connector assemblies. EIA-364-21
Dielectric Withstanding Voltage	No shorting, breakdown, flashover or other damage.	Apply 500 VAC for one minute at sea level on unmated connectors, less than 0.5 mA leakage current. EIA-364-20

MECHANICAL		
Item	**Requirement**	**Test Condition**
Durability	No evidence of damage The electrical performances should meet the spec. specified	Mating/ un-mating: 5000 cycles Cycle Rate: 400 to 600 cycles per hour. EIA-364-09
Contact Normal Force	0.5N Min. per pin	0.10mm gap to housing surface test speed: 25±3mm/minute

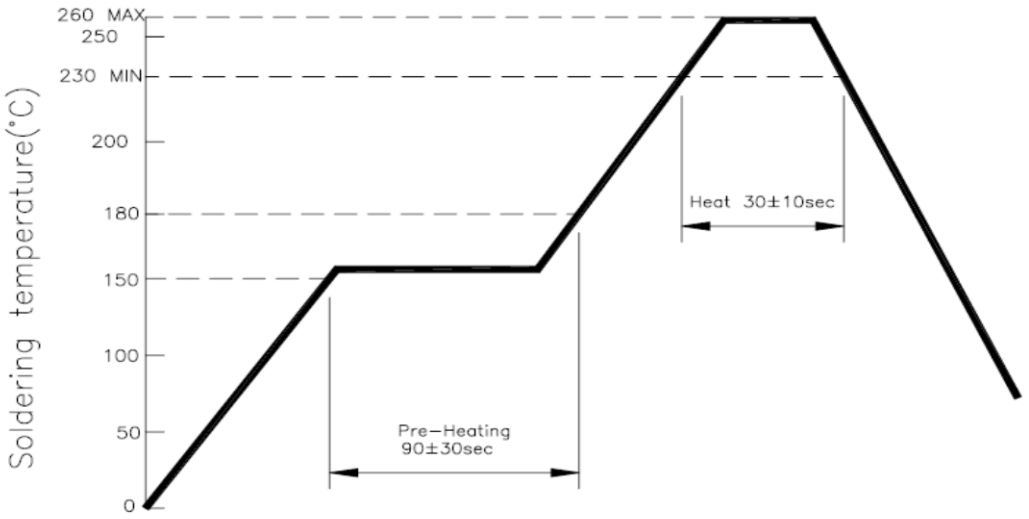
ENVIRONMENTAL		
Item	**Requirement**	**Test Condition**
Humidity	No evidence of damage The electrical performances should meet the spec. specified	Ambient Temp.: 40 ±2 °C Relative humidity: 90 to 95%RH Duration time: 96 hours EIA-364-31
Salt Spray	No mechanical damage; No harmful corrosion occurs on contact.	Temperature: 35±2°C NaCl: 5% Duration: 48H EIA-364-26
Low Temperature Resistance	No evidence of damage The electrical performances should meet the spec. specified	Chamber Temperature: -40±3°C Duration: 96 hours Dummy card engaged during test EIA-364,TP-59
Temperature Life	No evidence of damage The electrical performances should meet the spec. specified	Chamber Temperature: 85±3°C Duration: 96 hours Dummy card engaged during test EIA-364,TP-17
Vibration	No electrical discontinuity greater than 100n sec. shall occur.	Frequency Range: 10-55-10 Total Amplitude: 1.52 mm pp or 98.1m/s Duration: 2 hrs tree axes (6 hrs in total) EIA-364,TP-28
Shock	No electrical discontinuity greater than 100n sec. shall occur.	Accelerated Velocity: 50 G (490 s/m) Waveform: Semi Sine Duration: 11 m sec. No of Shocks: 3/dir., 3 axis,(18 in total), EIA-364,TP-27

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SOLDER ABILITY

Item	Requirement	Test Condition
Solderability	Wet Solder Coverage: 90% Min.	Solder Temperature: 245±3°C Immersion Duration: 3±0.5 sec. Solder: Sn-3Ag-0.5Cu Flux: RMA 25%
Solder Heat Resistance	No evidence of deformation or fusion of housing and no physical damage.	Test connector on PC Board. Pre-heat: 150 to 180°C for 90 sec. Solder Heat 230°C for 30 sec. Peak Temp.: 255°C±5°C, 10 sec.



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