

SIM Card Sockets

SIM COMPLIANT FOR 2FF AND 3FF

Amphenol ICC is a leader in SIM card sockets. These connectors saves space and are user-friendly. The push-push eject feature ensure smooth extraction of the card. It is ideal for use in switches, wifi router and mobile phone.

- Plug operation includes a snap in catch with tactile feedback ensuring an easy connection
- Reliable card detection and write protection
- Safe ejector mechanism
- Simple card lock mechanism and card scrape prevention



TARGET MARKETS



FEATURES

- Micro SIM card capable to meet ultra slim height of 1.42mm connector
- Compatible with second reflow process
- Extremely low camber after reflow process
- Shielded design for superior Electromagnetic Interference (EMI) and Electromagnetic Discharge (ESD)
- Simple card lock mechanism

BENEFITS

- Saves space
- Used for PCB 2 sided SMT
- Superior solderability performance
- Superior signal integrity (SI) performance
- Prevents card from ejecting and card scrape prevention

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic, complies with UL 94V-0
- Contact: Copper Alloy
- Shell: Stainless Steel

MECHANICAL PERFORMANCE

- Insertion Force: 14.0N max. (Lock force)
- Extraction Force: 14.0N max. (Lock force release)
- Durability: 3000 mating cycles

ELECTRICAL PERFORMANCE

- Current Rating: 0.5A
- Voltage Rating: 15V DC
- Contact Resistance: 100mΩ max.

ENVIRONMENTAL

- Cold Resistance: Solder connectors on PCB and mate them together, expose to $-25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ for 96hrs
- Heat Resistance: $+80^{\circ}\text{C}$ for 96 hours; recovery period 1-2hours under ambient atmospheric conditions
- Salt Spray Test: EIA-364-26 condition 5 \pm 1% salt solutions, at $35 \pm 2^{\circ}\text{C}$ duration 48 hours

PACKAGING

- Tape and Reel

SPECIFICATION

- Amphenol Product Specification: PS-7616 (Micro SIM)

TARGET MARKETS/APPLICATIONS



Switch
Wifi Router



Mobile Phone
Tablet



Router



POS System

PART NUMBERS

Description	Position	Part Numbers
Micro SIM, Push-Push, Slim Type (1.42mm height)	8 Positions	G85B23102B1HR
Micro SIM, Push-Pull (Non-Push)	6 Positions	G85B2X10XA1HR
Mini SIM, Push-Push	8 Positions	G85A10082154EU
Mini SIM, Hinge Type	6 Positions	G85C1152X242AEU