

# Amphenol

COMMUNICATIONS SOLUTIONS

FCI Basics

Modular Jack

Product presentation

 **FCi Basics**



- FCI Basics Modular Jack solution complies to FCC Part 68F.
- The wide range of FCI Basics Modular Jacks solution includes horizontal or vertical type with 4, 6, 8, 10 Positions, fully or selective loaded.
- FCI Basics Modular Jack comes in through mount and surface mount (SMT), shielded or unshielded, single port or multi ports.
- FCI Basics Modular Jack solution are available in Cat 3 (10BASE-T) and Cat 5 (100BASE-T)
- FCI Basics Modular Jack solution are ideal for POS (point of sale), office equipment, industry equipment, telephone etc.

**Vertical  
SMT**



PN	POS
98432-111LF	6P6C
98435-111LF	8P8C

**Vertical  
Through hole**



PN	POS
61835-0441LF	4P4C
69255-001LF	8P8C
90512-001LF	6P6C
90512-003LF	6P4C

**Right Angle  
SMT**



PN	POS
73306-111LF	4P4C
73305-111LF	6P6C
73304-111LF	8P8C

**Right Angle  
Through hole**



PN	POS
54601-704WPLF	4P4C
54601-906WPLF	6P6C
54601-908WPLF	8P8C
54602-910LF	10P10C

## Specifications

- Pitch: 2.54mm
- Positions: 4/6/8/10, fully or selective loaded
- Termination: SMT/Through Hole

## Electrical Performances

- LLCR: <20mΩ @20mVDC
- Insulation Resistance: >500MΩ @100VDC
- Dielectric Withstanding Voltage: <1mA @100VDC
- Current rating 1.0A,
- Voltage rating 30V DC, 42V AC
- Insertion loss and return loss: refer to the product specification

## Environmental

- Operating Temperature: -40°C to +85°C
- ROHS & Lead free

## Materials

- Housing: High temp thermal plastic
- Terminal: Phosphor bronze alloy or gold wire
- Plating: 50u" nickel under plate with one of below
  - 5u" Au + high performance lubricant
  - 2u" Au or 6u" Au
  - 15u" Au or 15u" GXT
  - 30u" Au or 30u" GXT
  - 50u" Au or 50u" GXT
- Shell (optional) : Cooper Alloy, 100u" bright Tin

## Mechanical Performance

- Durability: 250 ~ 2,500 cycles
- Insertion Force: 35N max.
- Withdrawal Force: 35N Max(With latches)
- Point of contact: 2/4/6/8/10

## Packaging

- Tape and reel
- Tube

Features	Benefits
Modular System: Horizontal or vertical with 4, 6, 8, 10 Positions	Comprehensive range for all the needs
Selective Loading and one piece design assures coplanarity of solder tails and hold down	Easy to use
Stackable side by side	Easy to install
Cat 3 / Cat 5 design	Suitable for various applications
High Temperature resin material	Withstand reflow soldering process
Low Profile version	Accommodate low-profile panel cut-outs
Modular System: Horizontal or vertical with 4, 6, 8, 10 Positions	Comprehensive range for all the needs
Lead-Free and RoHS compliant	Meets environmental, health and safety requirements

Description	Part Number	Cat	POS
SINGLE PORT RIGHT ANGLE SMT	<u>73306-111LF</u>	3	4P4C
SINGLE PORT RIGHT ANGLE SMT	<u>73305-111LF</u>	3	6P6C
SINGLE PORT RIGHT ANGLE SMT	<u>73304-111LF</u>	3	8P8C
SINGLE PORT VERTICAL SMT	<u>98432-111LF</u>	3	6P6C
SINGLE PORT VERTICAL SMT	<u>98435-111LF</u>	3	8P8C
SINGLE PORT RIGHT ANGLE THROUGH HOLE	<u>54601-704WPLF</u>	3	4P4C
SINGLE PORT RIGHT ANGLE THROUGH HOLE	<u>54601-906WPLF</u>	3	6P6C
SINGLE PORT RIGHT ANGLE THROUGH HOLE	<u>54601-908WPLF</u>	3	8P8C
SINGLE PORT RIGHT ANGLE THROUGH HOLE	<u>54602-910LF</u>	3	10P10C
SINGLE PORT VERTICAL THROUGH HOLE	<u>61835-0441LF</u>	3	4P4C
SINGLE PORT VERTICAL THROUGH HOLE	<u>69255-001LF</u>	3	8P8C
SINGLE PORT VERTICAL THROUGH HOLE	<u>90512-001LF</u>	3	6P6C
SINGLE PORT VERTICAL THROUGH HOLE	<u>90512-003LF</u>	3	6P4C
SINGLE PORT RIGHT ANGLE THROUGH HOLE	<u>95678-00100LF</u>	5	8P8C

## Consumer

- POS



- Handled POS



- Printer



- Phone



## Medical

- Ultrasound



## Industrial

- Field PC



- PLC



THANKS