

# RJ45 SINGLE PORT

## 100/1000/2.5G/5G BASE-T MAGNETICS

IoT (Ethernet) | IP cameras, surveillance, and phone |  
 Network Interface Cards (NIC) | Multifunction Printers  
 Power over Ethernet (PoE) | Broadcast Video | Test  
 and Measurement | Access Points



21.30 x 15.90 x 13.60mm  
 21.30 x 15.90 x 13.80mm

The ARJM11 series of RJ45 jacks with internal magnetics supports a wide range of configurations in 10/100Base-T, 1000Base-T, 2.5GBase-T and 5GBase-T applications. This series offers the ability to mix and match physical orientation of the tab, pin layouts, EMI fingers, LED colors and plating options while providing PoE and PoE+ options for 10/100Base-T rates. All configurations in the product series support paste-in-hole (PIH), a technology that allows through-hole components to be compatible with surface mount reflow assembly processes. All devices are rated to 0°C to 70°C or -40°C to 85°C operating temperature range.

### Features

- Broad set of configurations
- Low MOQ — 700pcs
- Supports 10/100Base-T, 1000Base-T, 2.5GBase-T or 5GBase-T
- Supports PoE and PoE+ (10/100Base-T)
- Compatible with surface mount with Paste-in-hole (PIH) technology
- -40°C to 85°C or 0°C to 70°C operating temperature range
- Combinations of green, yellow, orange, and red LED

### Applications

- Internet of Things (Ethernet)
- IP cameras, surveillance, and phone
- Access points
- Industrial computers
- Network interface cards (NIC)
- Industrial process control
- Networking and communications
- Broadcast video
- Storage
- Set top box and video
- Power over Ethernet (PoE)
- Test and Measurement
- Multifunction Printers (MFP)

Manufacturer Part Number	Applications	Orientation	Height Above Board	LED Color	# of Cores per Jack	Shielding	Tab Direction
ARJM11C7-502-AB-EW2	10/100/1000 Base-T, AutoMDIX	90° Angle (Right)	0.543" (13.80mm)	Left: Green, Right: Yellow	8	Shielded, EMI Finger	Up
ARJM11D7-104-NN-EW2	10/100 Base-T, AutoMDIX, Power over Ethernet (PoE+)	90° Angle (Right)	0.543" (13.80mm)	Does Not Contain LED	4	Shielded	Up
ARJM11D7-114-NN-EW2	10/100 Base-T, AutoMDIX, Power over Ethernet (PoE)	90° Angle (Right)	0.543" (13.80mm)	Does Not Contain LED	4	Shielded	Up
ARJM11B1-805-AB-EW2	2.5GBase-T, AutoMDIX	90° Angle (Right)	0.536" (13.61mm)	Left: Green, Right: Yellow	8	Shielded	Down
ARJM11C7-809-NN-EW2	2.5GBase-T, AutoMDIX	90° Angle (Right)	0.543" (13.80mm)	Does Not Contain LED	8	Shielded, EMI Finger	Up
ARJM155D7-811-KK-ER4-T	5GBase-T, AutoMDIX	90° Angle (Right) Through Hole	0.543" (13.80mm)	Left: Orange - Yellow, Right: Orange - Yellow	8	Shielded PIH reflow compatible	Up