



TAOGLAS®

RJ45 INTEGRATED CONNECTORS

Atmos Series

Delivering Digital Transformation



Product Description

Taoglas Magnetics offers an extensive product line of RJ45 Integrated Connectors designed for commercial and industrial grade applications, supporting 10/100 Base-T (Atmos100 Series) and 1G Base-T (Atmos1G Series) speed. These surface mount or through-hole components provide reliable performance and maintain signal integrity that meets IEEE 802.3 standards and UL certified. The Power over Ethernet options are also available including PoE, PoE+ and PoE++.

The majority of Taoglas RJ45 ICMs are being produced with fully automated winding, assembly & testing to ensure consistent performance, quality and reliability while ensuring cost competitiveness for its customers. These products are fully compliant with the REACH and RoHS directive, and compatible with all major PHY vendors.

Features

- 10/100 Base-T, 1G Base-T
- Single port, Dual ports, Quad ports
- 0°C ~ +70°C ; -40°C ~ +85°C
- PoE ; PoE+ ; PoE++
- SMT and THT mounting

Benefits

- Superior EMI suppression
- Suitable for CAT5e and CAT6 UTP
- Wide selection on package size (short, long, low profile)
- Peak wave/reflow temperature 250°C @ 5s

Target Applications



Gateways
Modems
Fax Machines
Copiers/Printers



Security Systems
Video Game Systems
Industrial PCs
IO Panels



Drives
Motherboards
Network Solutions
5G Deployments



Servers
NIC
Routers
Switches



Analysis Equipment
Mass Spectrometers

Ireland
ISO 9001: 2015
Certified



Taiwan
ISO 9001: 2015
Certified



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ATMOS 100 SERIES 10/100 BASE-T

PART NUMBER	DESCRIPTION
TMJ0011ABNL	RJ45 ICM, 10/100Base-T, Single Port, Down, Shielded EMI Finger, w/LED diagonal (G/Y), THT, Commercial, AutoMDIX, Short Body
TMJ0011BBNL	RJ45 ICM, 10/100Base-T, Single Port, Down, Shielded, w/LED diagonal (G/Y), THT, Commercial, AutoMDIX, Short Body
TMJ0026ABNL	RJ45 ICM, 10/100Base-T, Single Port, Down, Shielded EMI Finger, w/LED diagonal (G/Y), THT, Commercial, Auto X'fmr, Short Body
TMJ0277AHNL	RJ45 ICM, 10/100Base-T, Single Port, Down, Shielded EMI Finger, w/LED diagonal (G/Y), THT, Commercial, PoE(350mA), Short Body
TMJ1011ABNL	RJ45 ICM, 10/100Base-T, Single Port, Up, Shielded EMI Finger, w/LED horizontal (G/Y), THT, Commercial, AutoMDIX.
TMJ1011BBNL	RJ45 ICM, 10/100Base-T, Single Port, Up, Shielded, w/LED horizontal (G/Y), THT, Commercial, AutoMDIX
TMJ16611AENL	RJ45 ICM, 10/100Base-T, Single Port, Up, Shielded EMI Finger, w/LED vertical (G/Y), THT, Industrial, AutoMDIX, Short Body
TMJ3011ABNL	RJ45 ICM, 10/100Base-T, Single Port, Up, Shielded EMI Finger, w/LED in-line(G/Y), SMT, Commercial, AutoMDIX
TMJ4011ABNL	RJ45 ICM, 10/100Base-T, Single Port, Down, Shielded EMI Finger, w/LED diagonal (G/Y), THT, Industrial, AutoMDIX, Short Body
TMJ4011BBNL	RJ45 ICM, 10/100Base-T, Single Port, Down, Shielded, w/LED diagonal (G/Y), THT, Industrial, AutoMDIX, Short Body
TMJD0012BENL	RJ45 ICM, 10/100Base-T, Single Port, Vertical, Shielded w/LED horizontal (G/Y), THT, Commercial, AutoMDIX
TMJD4012BENL	RJ45 ICM, 10/100Base-T, Single Port, Vertical, Shielded w/LED horizontal (G/Y), THT, Industrial, AutoMDIX
TMJ166323B10NL	RJ45 Integrated Connector, 10/100Base-T, Tab-UP, Short Body, 10 pin, THT, 3Wire+T, Shielded, LED, Industrial grade, PoE (350 mA)
TMJD4152NENLC	RJ45 Integrated Connector, 10/100Base-T, Vertical, 10 pin, THT, T+CMC, Unshielded, LED, Industrial grade, PoE (400 mA), Reflow soldering

ATMOS 1G SERIES 1G BASE-T

PART NUMBER	DESCRIPTION
TMJD4622BDNL	RJ45 ICM, 1G Base-T, Single Port, Vertical, Shielded w/LED horizontal (Y/G), THT, Industrial
TMJG0820GENL	RJ45 ICM, 1G Base-T, Single Port, Down, Shielded EMI Fingers, w/LED horizontal (G/Y), THT, Commercial, AutoMDIX, Short Body
TMJG16459BDNL	RJ45 ICM, 1G Base-T, Single Port, Up, Shielded w/LED vertical (Y/G), THT, Industrial, AutoMDIX, Short Body
TMJG16470ADNL	RJ45 ICM, 1G Base-T, Single Port, Up, Shielded EMI Finger, w/LED vertical (Y/G), THT, Industrial, AutoMDIX, Short Body
TMJG26945AENL	RJ45 ICM, 1G Base-T, Dual Ports, Down, Shielded EMI Finger, w/LED horizontal (G/Y), THT, Industrial, AutoMDIX, Short Body
TMJG46945AENL	RJ45 ICM, 1G Base-T, Quad Ports, Down, Shielded EMI Finger, w/LED(G/Y), THT, Industrial, AutoMDIX, Short Body
TMJG4820GENL	RJ45 ICM, 1G Base-T, Single Port, Down, Shielded EMI Finger, w/LED horizontal (G/Y), THT, Industrial, AutoMDIX, Short Body
TMJG4933HENL	RJ45 ICM, 1G Base-T, Single Port, Down, Shielded w/LED horizontal (G/Y), THT, Industrial, AutoMDIX, Short Body
TMJK0036AINL	RJ45 ICM, 1G Base-T, Single Port, Up, Shielded EMI Finger, w/LED horizontal (Y-G/G), THT, Commercial, AutoMDIX, Long Body, 3Wire/Phy

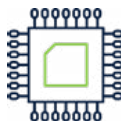


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ATMOS 1G SERIES		1G BASE-T
PART NUMBER	DESCRIPTION	
TMJK6064A9NL	RJ45 ICM, 1G Base-T, Single Port, Up, Shielded EMI Finger, w/LED horizontal (Y-G/G), THT, Industrial, AutoMDIX, Long Body, PoE++(720mA)	
TMJK7003A98NL	RJ45 ICM, 1G Base-T, Single Port, Up, Shielded EMI Finger, w/LED vertical (Y-G/G), THT, Commercial, AutoMDIX, Low Profile, 3Wire CMC/Cable	
TMJK7036-1A98NL	RJ45 ICM, 1G Base-T, Single Port, Up, Shielded EMI Finger, w/LED vertical (O-G/Y), THT, Commercial, AutoMDIX, Low Profile, 3Wire CMC/Chip	
TMJG4944GENL	RJ45 Integrated Connector, 1G Base-T, Tab Down, Short Body, 10 pin, THT, Voltage Drive, T+CMC, Shielded EMI Finger, LED, Industrial grade	
TMJG4887GENL	RJ45 Integrated Connector, 1G Base-T, Tab Down, Short Body, 10 pin, THT, 3Wire+T, Shielded EMI Finger, LED, Industrial grade	
TMJG17747A83NL	RJ45 Integrated Connector, 1G Base-T, 14x2 pins, THT, Shielded EMI Finger, 3Wire+T, Voltage/Current Drive, LED, Industrial grade	
TMJG27037A4NL	RJ45 Integrated Connector, 1G Base-T, 14x4 pins, THT, Shielded EMI Finger, 3Wire + Transformer, Voltage/Current Drive, LED, Industrial grade	
TMJUTG-PW012406625	RJ45 Integrated Connector, 1G Base-T, 14x8 pins, THT, Shielded EMI Finger, 3 Wire + Transformer + 5th Channel-PSE, LED, Industrial grade, PoE (350mA), Board guide, 2x4	
ATMOS 2.5G SERIES		2.5G BASE-T
PART NUMBER	DESCRIPTION	
TMJM6002A9NL	RJ45 Integrated Connector, 2.5G Base-T, Tab Up, Long Body, 20pin, THT, 3Wire+T, Shielded EMI Finger, LED, Industrial grade, PoE++ (720mA)	
TMJUT-VW0021192448	RJ45 Integrated Connector, 5G Base-T, Tab Down, Short Body, 10 pin, THT, 3 Wire + Transformer, Voltage/Current Drive, LED, Industrial grade, Shielded, Board guide	
ATMOS 5G SERIES		5G BASE-T
PART NUMBER	DESCRIPTION	
TMJK9094A9NL	RJ45 Integrated Connector, 5G Base-T, Tab Up, Long Body, 12 pin, THT, 3 Wire + Transformer, Shielded EMI Finger, LED, PoE++ (720mA), Board guide	



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