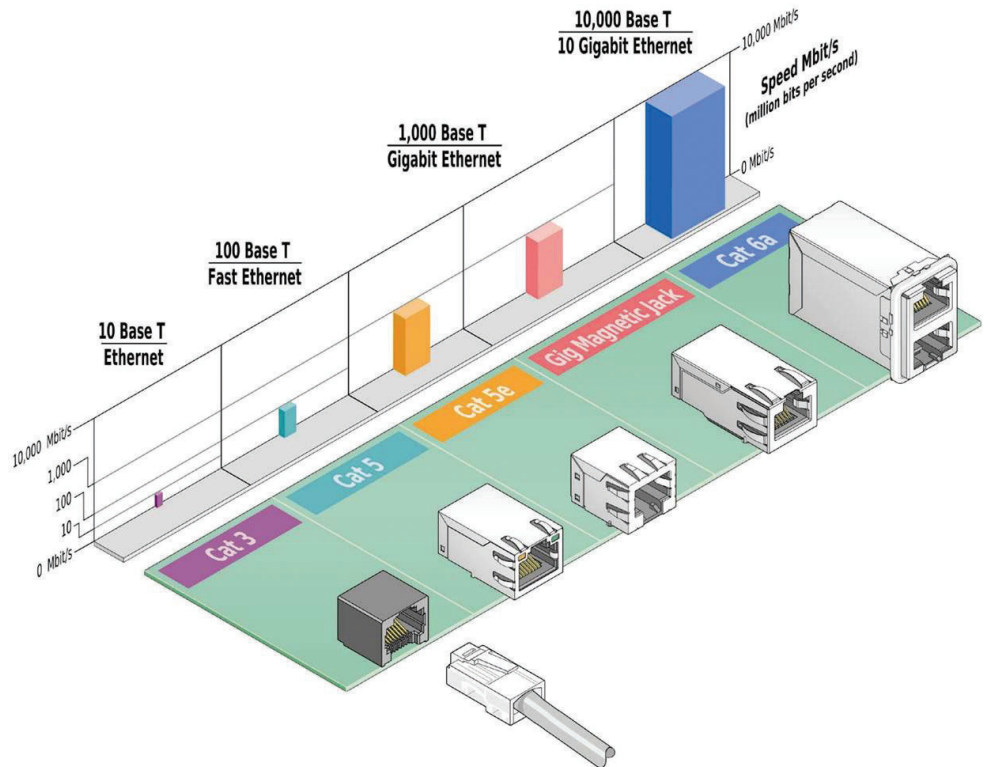# molex®

Magnetic Jacks

Molex magnetic jacks are available supporting 10/100 and Gigabit transmission. Additionally Molex offers Power over Ethernet (PoE) magnetic jacks. These are offered with and without PoE controllers for both power source equipment or power device applications.

Cat5/5e

Molex's broad range of Modular Jacks and Plugs, with more than 1000 different parts, provides versatile solutions to meet today's increasing demand for information flow with greater bandwidth requirements.

Cat3

The extensive breadth of products offer exceptional performance and reliability for voice, data and high-speed networking applications and are the ideal solution for consumer, office, medical, commercial and industrial applications.

10,000 Base T
10 Gigabit Ethernet

10,000 Mbit/s

Speed Mbit/s
(million bits per second)

0 Mbit/s

1,000 Base T
Gigabit Ethernet

100 Base T
Fast Ethernet

10 Base T
Ethernet

10,000 Mbit/s
1,000
100
10
0 Mbit/s

Cat 6a

Gig Magnetic Jack

Cat 5e

Cat 5

Cat 3

Reference Information

Circuit sizes: 4, 6, 8 contacts

Mating direction:
    Right angle, vertical

Shielding: With and without

Number of ports: Single, multiport

Soldering: Through hole, SMT

Magnetics: LEDs, light pipes

Speeds: Cat3, Cat5, Cat5E, Cat6a

Large variety of modular jacks
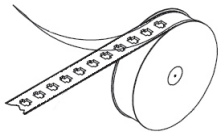   in the industry

Quality/Price competitive

Competitive prices within
    most ranges

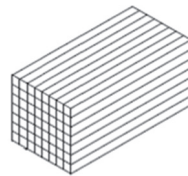Fully automated manufacturing
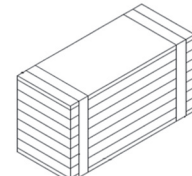   plant in Lincoln, NE, USA

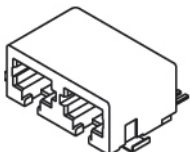### Delivery

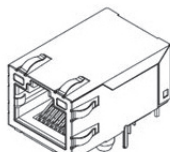Short lead time

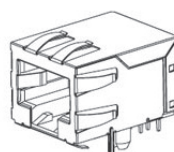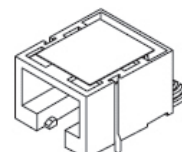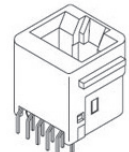## Packaging Types

Tape and reel

Tube

Tray

Orientation Types

2 ports

Right angle with LED

Right angle

SMT

Vertical

molex®

Ordering Information

	Series	Orientation	Ports	Category	PCB attachment Signal tails	PCB attachment Body tails	Shielding	LED		Height (mm)	Description
	95502	Bottom entry		3	Through hole	Through hole	X		4/4 6/4 6/6 8/8	12.58	Bottom entry
	44915	N/A		6	N/A	N/A	None		8/8	N/A	Long body plug
	48253			5e			External			16.15	In-line coupler
	90075	Plug		3			X		4/4 6/4 6/6 8/8		
	95043			5			External shield		8/8		
	95009	Right angle	1	3	Through hole	Through hole	X	No	4/4 6/4 6/6 8/8	14.99	Flush or flange
	95501									11.50	Optional Key
	95622				Through hole, SMT		External shield		8/8	13.00	Shield tabs and solder pins
	95540						Internal shield			11.50	SMT or through hole shield tabs/nails
	85502				SMT	Through hole, SMT	X				
	85542				Through hole, SMT		External shield			13.00	Shield tabs
	93242				SMT	Through hole					Through hole shield nails
	85543					SMT					Shielded SMT with optional EMI tabs
	85503			5			X			11.50	Unshielded through hole
	85504						Internal shield				Internally shielded
	85505						External shield			13.00	Optional EMI tabs
	85791			Gig Magnetic	Through hole	Through hole	External shield	Yes		13.87	Gig magnetic PoE+ PDjack
	85793										Gig magnetic jack
	85789										Gig PoE+ enabled magnetic jack
	43202			3			External, none	No	4/2, 4/4, 6/2, 6/4, 6/6, 8/2, 8/4, 8/6, 8/8, 8/10	11.58/ 11.81.12.09	Ultra-low profile
	43249								6/2, 6/4, 6/6, 8/6, 8/8, 8/10	12.83/13.00	Shield option on 8-circuit only
	43743				SMT	SMT	None		6/2, 6/4, 6/6, 8/4, 8/6, 8/8	11.74	Outboard fitting nails

Ordering Information

	Series	Orientation	Ports	Category	PCB attachment		Shielding	LED		Height (mm)	Description
					Signal tails	Body tails					
	43860	Right angle	1		Through hole	Through hole	External, none	Lightpipes & N	6/2, 6/4, 6/6, 8/4, 8/8	13.21/ 13.53/13.54	Inverted, available with or without lightpipes
	44144				SMT	SMT	None	No	6/2, 6/4, 6/6, 8/2, 8/4, 8/6, 8/8	11.73	Inboard fitting nails
	44282								8/8	12.19	Low profile
	44380				Through hole	Through hole	External, none	Lightpipes & N	6/4, 6/6, 8/4, 8/6, 8/8	13.21/ 13.53	Mini PCIe available with or without lightpipes
	44620							1 Lightpipe		13.21/13.46	RJ-11 keep-out feature, single lightpipe
	44050							No		12.83/ 13.06	Option to omit side tabs for side-to-side stacking
	44661			5e				No	8/8	9.19/ 9.53	Three different shielding options
	48146						External	LED		13.21	Shortened leads
	48074			5, Magnetics	SMT			Yes		13.45	10/100
	48025						External, none	Yes, No		26.6/13.3	10/100
	43814		2	3			None	No	6/2, 6/4, 6/6	12.70	Inverted flangeless
	43841								6/2, 6/4, 6/6, 8/4, 8/6, 8/8	11.80	Outboard fitting nails
	44193					Through hole					Inboard fitting nails
	43223		2, 3, 4, 5, 6, 8	3			External, none	No	6/2, 6/4, 6/6, 8/4, 8/6, 8/8, 8/10	12.83/13.31	Multi-port, low profile
	44560		2, 4	5e					8/8	9.19/9.53	Low profile
	44150	Right angle	2, 4, 6, 8	5e	Through hole		External, none	No	8/8	12.83/13.31	Press-fit or snap-fit pegs
	44248		2, 4	3				Lightpipes	6/4, 6/6, 8/8	13.21/13.45	Inverted
	67838			3			External	Lightpipes		27.20	Press-fit or snap-fit pegs
	44170	Right angle	8, 12, 16	5e				Lightpipes		25.41	Press-fit or snap-fit pegs
	44520							No	8/8	25.41	
	85726										
	85727										Ganged Gig magnetic jack

Ordering Information

	Series	Orientation	Ports	Category	PCB attachment		Shielding	LED		Height (mm)	Description
					Signal tails	Body tails					
	85735	Right angle	8	Gig Magnetic	Through hole	Through hole	External shield	Yes	8/8	25.46	Ganged Gig PoE+ integrated magnetic jack
	85734										Ganged Gig magnetic jack
	85717		12								Ganged Gig PoE+ enabled magnetic jack
	85718										
	85728										Ganged Gig magnetic jack
	85732		8 or 12								Ganged Gig PoE+ enabled magnetic jack
	85731										
	95503	Vertical	1	3	Through hole, SMT	Through hole	X	No	4/4 6/4 6/6 8/8	12.7 or 15.7	Flush or flange. Low or high profile
	95522				Through hole		X				Flush or flange
	95551								6/6	16.25	Offset plug latch
	95552						Internal shield		8/8		Internally shielded flush or flange
	95623						External shield			16.50	Shielded top entry
	85510			5	SMT	SMT	X		4/4 6/4 6/6 8/8	15.70	SMT solder tabs
	85513									12.70	
	85506				Through hole	Through hole			8/8	16.30	Unshielded through hole
	85507						Internal shield			16.25	Flush or flange
	85508						External shield			16.50	Shielded top entry
	85511						X			12.70 or 15.70	Low and high profile
	42410			3	Through hole	Through hole	External		4/2, 4/4, 6/2, 6/4, 6/6, 8/2, 8/4, 8/6, 8/8	16.38	Flush/flangeless
	42878						None		8/2, 8/4, 8/6, 8/8, 8/10	12.70	
	43090					No			8/8, 8,10		Radius housing