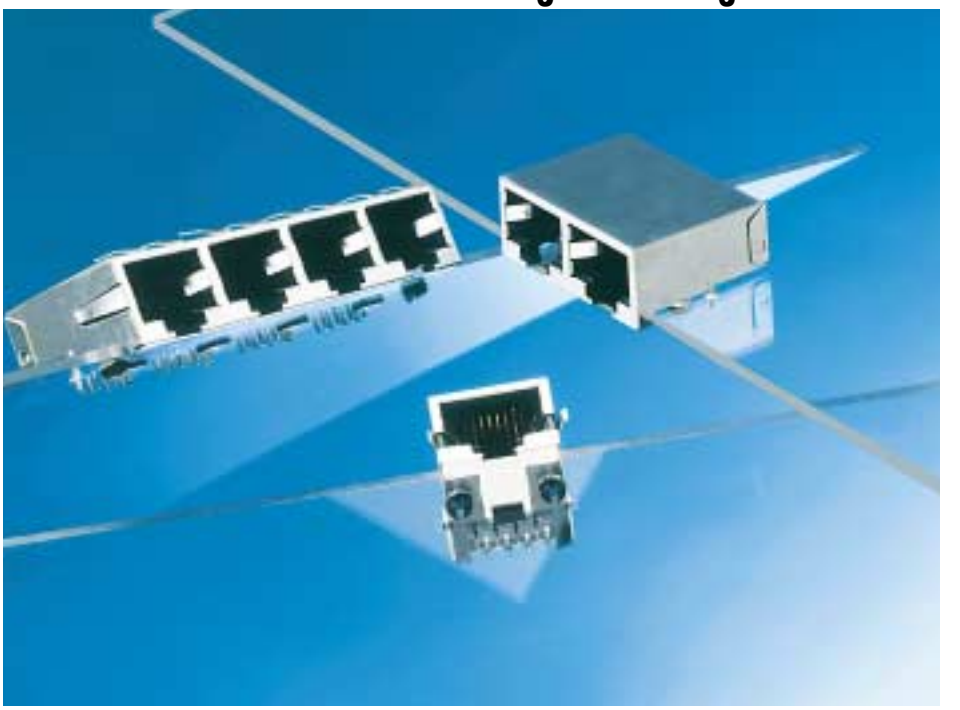
Modular Jacks Category 5e

44661, 44560
Right Angle Compact Profile Single and Ganged

Category 5e Compact Modular Jacks Provide Low Profile of 9.53mm (.375") for Optimal Board Stacking



Features and Benefits

- Offers a low profile of 9.53 mm (.375") from the top of the PCB to the top of the modular jack
- Available in one, two and four port configurations for multiple design options
- Enhanced panel grounding tabs on shielded versions offer superior ground paths to the panel or metal bezel for maximum shielding performance
- Snap-fit or press-fit PCB retention options for single-port versions
- Conforms to Compact PCI, Eurocard and Common Mezzanine Card Standards
- Meets Category 5e performance for Gigabit Ethernet applications
- High temperature material allows for Surface Mount Compatibility during solder reflow
- Meets FCC 68.5 specification
- Each modular jack is 100% electronically tested to detect possible shorting conditions before the product is shipped

Molex introduces a new right angle modular jack with a profile of 9.53mm (.375") from the top of the PCB to the top of the jack allowing for optimal board stacking. This unique design allows the bottom of the modular jack to sit flush with the bottom of the PCB, adhering to the 2mm industry specification for creepage and clearance. The compact jack is offered in one, two and four port variations to meet many design configurations.

This RJ-45 jack with through-hole PCB tails features a choice of shielding options:

- Unshielded
- Shield with no grounding tabs
- Shield with enhanced grounding tabs on top and sides
- Shield with side bezel grounding tabs for CompactPCI applications

The compact modular jack meets Category 5e performance for Gigabit Ethernet applications with near-end cross talk (NEXT) loss of 43dB at 100 MHz.

The high-temperature housing material maintains performance at a +260°C reflow soldering temperature for one minute without deforming the modular jack.

The compact profile of this modular jack makes it suitable for use in notebook PCs and other space-conscious devices that call for Category 5 or 5e connection. Other applications include networking equipment such as hubs, routers and switches. The modular jack conforms to Compact PCI, Eurocard and Common Mezzanine Card Standards.

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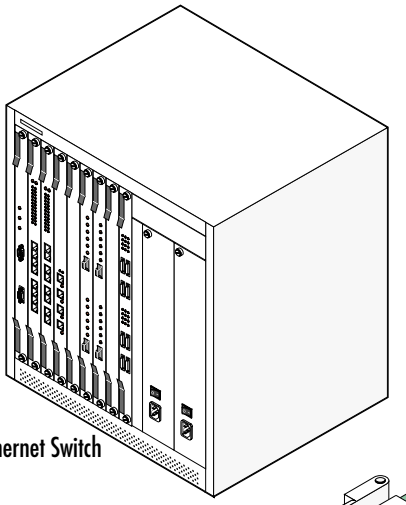
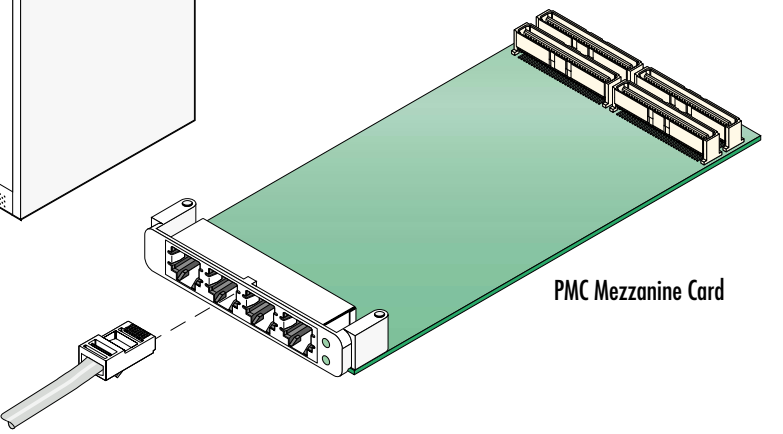
Applications

Applications for the compact modular jack include notebook computers, networking and communications equipment that require Category 5 or 5e connection reliability:

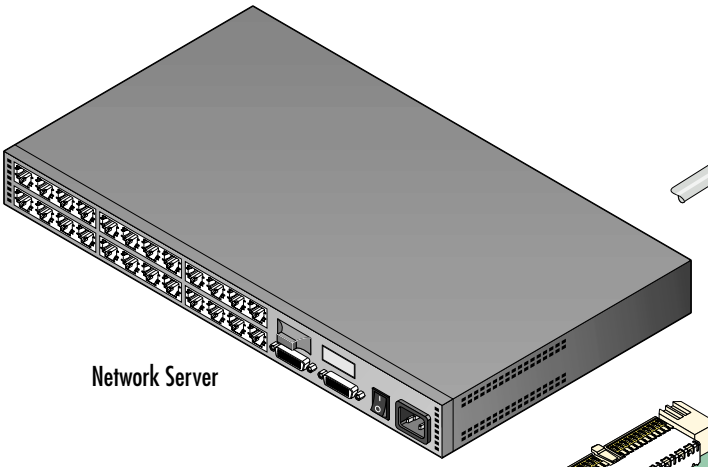
- Network Servers
- Ethernet Switches
- Network Interface Cards
- Bridges
- Routers
- Premise Wiring
- Communications Equipment



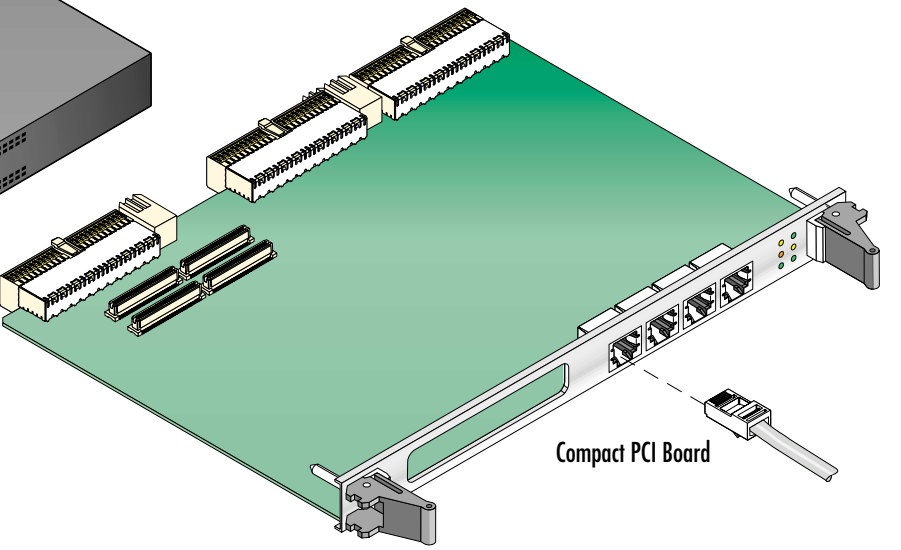
Ethernet Switch



PMC Mezzanine Card



Network Server



Compact PCI Board

ORDERING INFORMATION

Circuits	Loaded Contacts	Number of Ports	PCB Retention	Order Number			
				Unshielded	Shielded		
					No Ground Tabs	Enhanced Ground Tabs	Bezel Ground Tabs
8	8	1	Snap-Fit Peg	44661-0002	44661-0001	44661-0011	44661-0021
			Press-Fit Peg	44661-1002	44661-1001	44661-1011	44661-1021
		2	Snap-Fit Peg	44560-0001	44560-0002	44560-0012	44560-0022
		4	Snap-Fit Peg	44560-0003	44560-0004	44560-0014	44560-0024

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Visit our Web site at http://www.molex.com/cat5.html

Order No. USA-171

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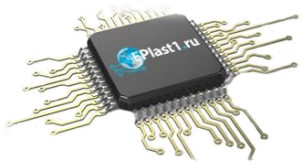
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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