

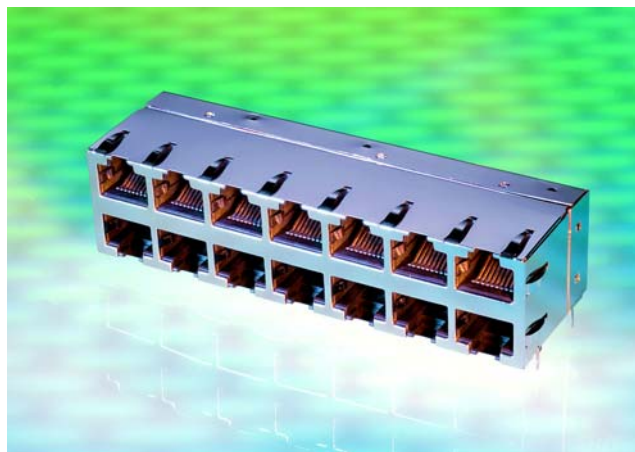


HyperJack™ 1000 (Gigabit) stacked 85572

Molex's new HyperJack 1000 is designed for Ethernet 1000 BaseT applications such as switches, hubs and line cards. Due to its unique modular housing design the product can be offered in various port configurations, from 1/1 to 12/12. The product is compliant with IEEE802.3, FFC 68 and IEC 603-7. LED integration is prepared and will be released soon.

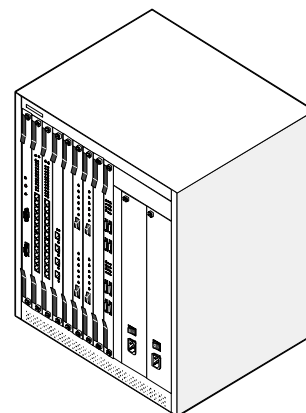
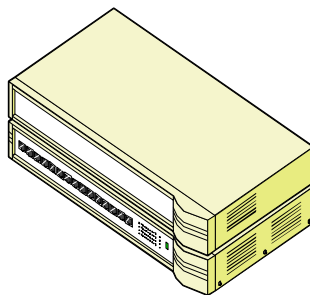
Features and Benefits

- The integrated magnetics provide a high signal integrity
- Standard offer is 8 core solution with various configurations depending on the PHY.
12 core solution is an option.
- The unique modular housing design allows to offer port configurations from 1/1,2/2, 3/3...to 12/12.
- Excellent EMI/RFI performance due to high shield effectiveness and special magnetic configuration
- The IEEE 802.3 compliance assures Ethernet 10/100 backwards compatibility
- Industry standard footprint



Markets and Applications

- Telecom and Networking
- Adapter cards
- Enterprise switch
- Hub
- Line cards





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Reference Information

Packaging: Trays in boxes
UL File No.: pending
CSA File No.: pending
Mates With: FCC 68.5 plugs, Molex 85568, 9043, 90075 series

Electrical

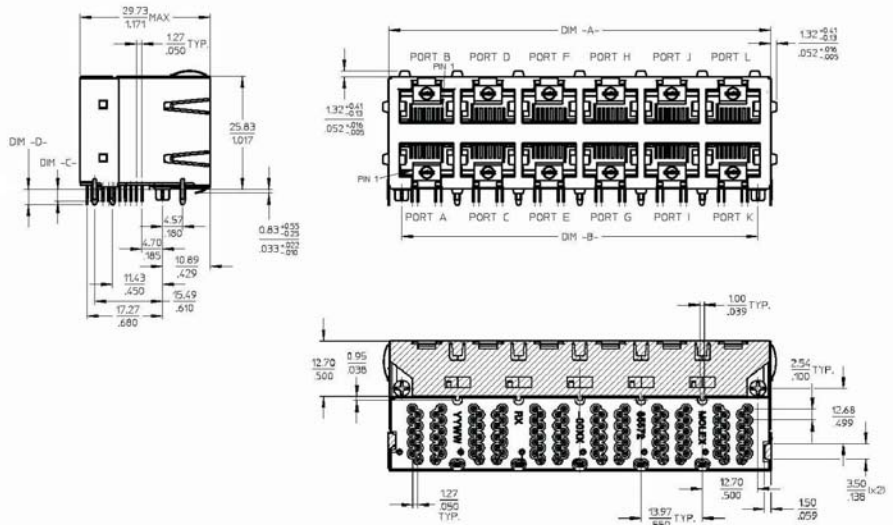
Current: 350 miliamps max
Contact Resistance: 20 miliohms
Dielectric Withstanding Voltage: 2250 Volt DC, 60 sec.
Insertion loss: -1.20 dB
Return loss: 18 dB
Crosstalk: -40 dB
Common Mode Rejection: -30 dB

Physical

Housing: Thermoplast UL 94-V0
Contact: Gold over Nickel
Underplating: Ni
Shield: Brass Ni plated
Durability: 750 cycles

Environmental

Operating Temperature: 0°C to +70°C



Part Number	Number of Ports	Part Number	Number of ports	Part Number	Number of ports	Part Number	Number of ports	Solder tail length
85572-0114	1/1	85572-0102	2/2	85572-0116	3/3	85572-0104	4/4	4.00 mm
85572-0115	1/1	85572-0103	2/2	85572-0117	3/3	85572-0105	4/4	2.70 mm
85572-0118	5/5	85572-0106	6/6	85572-0120	7/7	85572-0108	8/8	4.00 mm
85572-0119	5/5	85572-0107	6/6	85572-0121	7/7	85572-0109	8/8	2.70 mm
85572-0122	9/9	85572-0110	10/10	85572-0124	11/11	85572-0112	12/12	4.00 mm
85572-0123	9/9	85572-0111	10/10	85572-0125	11/11	85572-0113	12/12	2.70 mm

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