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## HyperJack™ 1000 (Gigabit) stacked In Line Power 85576

Molex's new HyperJack 1000 In Line Power is designed for Ethernet 1000 BaseT applications such as switches, hubs and line cards which support Power over Ethernet (PoE). The product is compliant with IEEE 802.3 af and allows a powered device to draw up to 12.95 W. 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 FCC 68 and IEC 603-7. LED integration is prepared and will be released soon.

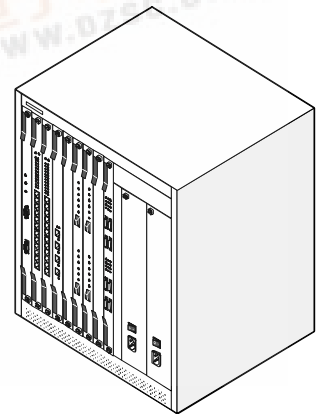
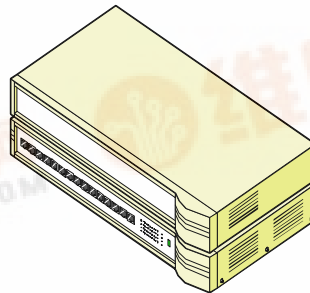
### Features and Benefits

- IEEE 802.3 af compliance enables to run Power over Ethernet over the two extra pins.
- 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... 12/12.
- Excellent EMV performance due to high shield effectiveness and special magnetic configuration
- Industry standard footprint



### Markets and Applications

- Telecom and Networking equipment with PoE function
- Ethernet adapter cards
- Enterprise switch
- Hub
- Line cards





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## Reference Information

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

## Electrical

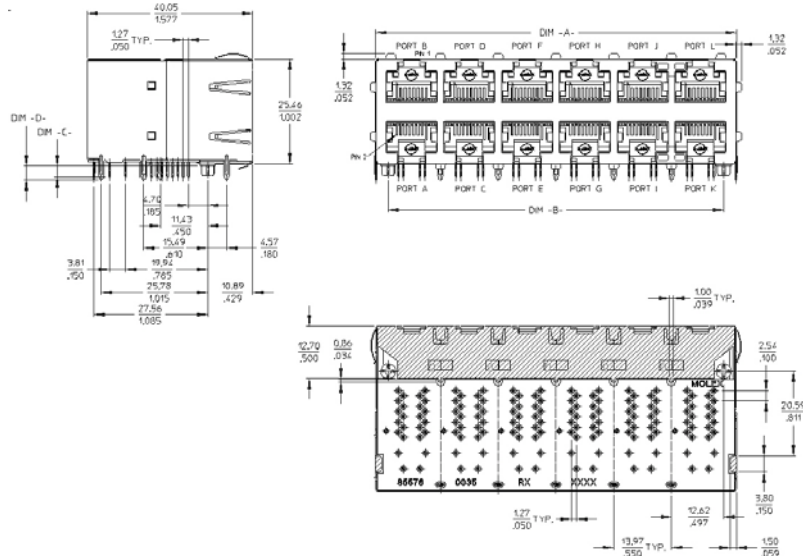
Voltage: 57 Volts DC max  
Current: 350 miliamps permanent  
Contact Resistance: 20 miliohms  
Dielectric Withstanding Voltage: 2250 Volt DC, 60 sec.  
Insertion loss: -1.20 dB  
Return loss: -18 dB  
Crosstalk: -40 dB  
Common Mode Rejection: -30 dB

## 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
85576-0003	1/1	85576-0002	2/2	85576-0007	3/3	85576-0004	4/4	4.00 mm
85576-0005	1/1	85576-0006	2/2	85576-009	3/3	85576-0014	4/4	2.70 mm
85576-0015	5/5	85576-0001	6/6	85576-0018	7/7	85576-0008	8/8	4.00 mm
85576-0016	5/5	85576-0017	6/6	85576-0019	7/7	85576-0020	8/8	2.70 mm
85576-0021	9/9	85576-0023	10/10	85576-0025	11/11	85572-0027	12/12	4.00 mm
85576-0022	9/9	85576-0024	10/10	85576-0026	11/11	85572-0028	12/12	2.70 mm

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