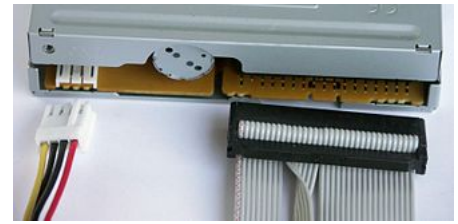


WIKIPEDIA

Berg connector

Berg connector is a brand of electrical connector used in computer hardware. Berg connectors are manufactured by Berg Electronics Corporation of St. Louis, Missouri, now part of Amphenol.



Rear side of 3½-inch floppy drive. Berg connector for power is shown on the left; data cable on right.

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Overview

Berg connectors have a 2.54 mm (0.100 in) pitch, pins are 0.64 mm (0.025 in) square, and usually come as single or double row connectors.

Many types of Berg connectors exist. Some of the more familiar ones used in IBM PC compatibles are:

- the four-pin polarized Berg connectors used to connect 3½-inch floppy disk drive units to the power supply unit, usually referred to as simply a "floppy power connector", but often also referred to as LP4. This connector has a 2.50 mm (0.098 in) pitch (not 2.54 mm).
- the two-pin Berg connectors used to connect the front panel lights, turbo switch, and reset button to the motherboard.
- the two-pin Berg connectors used as jumpers for motherboard configuration.

Floppy drive power connector

The power connector on the 3½-inch floppy drive, informally known as "the Berg connector", is 2.50 mm pitch (distance from center to center of pins).

The power cable from the ATX power supply consists of 20 AWG wire to a 4-pin female connector.^[1] The plastic connector housing is TE Connectivity / AMP 171822-4 with female metal contact pins are choice of TE Connectivity / AMP 170204-* or 170262-*, where * is 1 or 2 or 4.^{[2][3]}

Floppy Drive Power Connector

The male PCB connector on the 3½-inch floppy drive is a polarized right-angle male header, which is a TE Connectivity / AMP 171826-4,^[4] the straight model is AMP 171825-4.^[5]

Company history

In 1998, Berg Electronics was acquired by FCI (Framatome Connectors International) for \$1.85 billion.^[6] In 2016, FCI Asia Pte was acquired by Amphenol.^[7]

See also

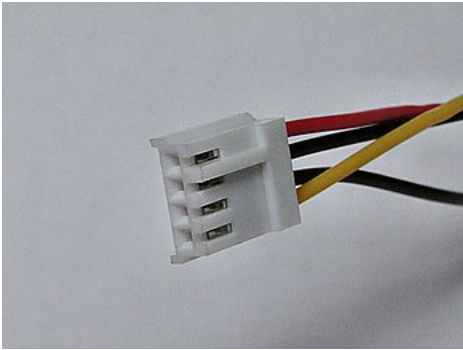
- Electrical connector
- DC connector
- Insulation-displacement connector (IDC)
- JST connector
- Molex connector
- Pin header connector


References

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- AMP 171822-4 Female Housing; TE Connectivity. ([http://www.te.com/usa-en/product-171822-4.ht ml](http://www.te.com/usa-en/product-171822-4.html))
- AMP 170204-1 Female Contact Pin for AWG 20-26 wire; TE Connectivity. (<http://www.te.com/usa-en/product-170204-1.html>)
- AMP 171826-4 Right-Angle Male Connector; TE Connectivity. (<http://www.te.com/usa-en/product-171826-4.html>)
- AMP 171825-4 Straight Male Connector; TE Connectivity. (<http://www.te.com/usa-en/product-171825-4.html>)
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External links

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Type	Electrical	
Production history		
Designer	Berg Electronics Corporation	
General specifications		
Pins	4	
Electrical		
Signal	Yes	
Pin out		
		
Pin	Color	Type
Pin 1	Red	+5 V
Pin 2	Black	Ground
Pin 3	Black	Ground
Pin 4	Yellow	+12 V

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