

Title (en)  
ELECTRICAL CABLE CONNECTOR

Publication  
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Application  
**EP 88301490 A 19880222**

Priority  
• US 2376087 A 19870309  
• US 4051087 A 19870420  
• US 13678587 A 19871222

Abstract (en)  
[origin: EP0282194A1] A connector (10) adapted to couple stripped electrically conductive wires (20, 22, 24) of a flat cable (12) with the traces of a printed circuit board (16) through a mating connector (14) upstanding from the printed circuit board (16). The connector (10) comprises a housing (62) formed with a longitudinal central slot (90) adapted to receive an electrically conductive ground bus (72). The upper end of the bus (72) is adapted to retain stripped ground wires (20) of the flat cable (12) by crimping. The lower end of the bus (72) is adapted to be received within the mating connector (14). A plurality of parallel apertures (94) are formed in the housing (62) on opposite sides of the bus (72) to receive signal contacts (60), the upper ends of which are adapted to retain stripped signal wires (22, 24) of the flat cable (12) by soldering. The lower ends of the signal contacts (60) are adapted to be received within the mating connector (14). The connector also includes front and rear cover halves (64, 66) couplable between the housing (62) and the mating connector (14) and adapted to receive and support therebetween the flat cable (12) above its stripped wires (20, 22, 24). Also disclosed is the method of using the connector (10) and the method of assembling the connector (12).

IPC 1-7  
**H01R 23/66; H01R 43/28**

IPC 8 full level  
**H01R 12/70** (2011.01); **H01R 13/639** (2006.01); **H01R 24/00** (2006.01); **H01R 43/00** (2006.01); **H01R 43/28** (2006.01); **H01R 12/79** (2011.01)

CPC (source: EP)  
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Cited by  
US5114362A; EP0603757A3; US5651695A; US7306479B1; EP0741919A4; US9791634B2

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