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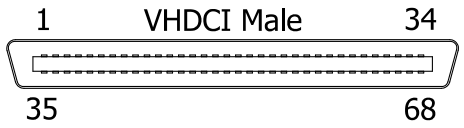
CBVH68M-x Datasheet

Product Revision: Rev B
VHDCI 68-pin Male-Male Cables

CBVH68M-x Rev B Specifications

Wire	30 AWG, 34 twisted pairs
Wire shielding	Alum-Mylar foil and copper braid with drain wire
Wire outer diameter	9.8mm nominal
Wire jacket color	Black
Connectors (both)	VHDCI 68-pin Male, Metal shell, offset, 10.6mm typ. thickness (offset design allows connectors to fit back-to-back onto a stacked connector, 10.6mm thickness could conflict on NI cards if several stacked connector pairs are adjacent)
Termination	IDC (Insulation Displacement Contact)
Pin mapping	All 1:1
Standard lengths	CBVH68M-1 (1ft), CBVH68M-1.33 (1.33ft), CBVH68M-3 (3ft), CBVH68M-6 (6ft), CBVH68M-10 (10ft)

Pin Numbering



Twisted Pairs and Color Code

Each row below indicates twisted pairing, for example 1 & 35 are a pair.

Pin 1: Brown	Pin 35: Brown / White
Pin 2: Brown / Red	Pin 36: Brown / Blue
Pin 3: Brown / Black	Pin 37: Black / Yellow
Pin 4: Red	Pin 38: Red / White
Pin 5: Red / Yellow	Pin 39: Red / Black
Pin 6: Red / Green	Pin 40: Red / Brown
Pin 7: Red / Blue	Pin 41: Orange / Red
Pin 8: Orange	Pin 42: Orange / White
Pin 9: Orange / Yellow	Pin 43: Orange / Black
Pin 10: Orange / Green	Pin 44: Orange / Brown
Pin 11: Orange / Blue	Pin 45: Blue / Red
Pin 12: Yellow	Pin 46: Yellow / White
Pin 13: Yellow / Red	Pin 47: Yellow / Blue
Pin 14: Yellow / Green	Pin 48: Green / Brown
Pin 15: Yellow / Brown	Pin 49: Brown / Green
Pin 16: Yellow / Black	Pin 50: Brown / Yellow
Pin 17: Green	Pin 51: Green / White
Pin 18: Green / Red	Pin 52: Green / Blue
Pin 19: Green / Yellow	Pin 53: Green / Black
Pin 20: Blue	Pin 54: Blue / White
Pin 21: Blue / Yellow	Pin 55: Blue / Black
Pin 22: Blue / Green	Pin 56: Blue / Brown
Pin 23: Purple	Pin 57: Purple / White
Pin 24: Purple / Red	Pin 58: Purple / Blue
Pin 25: Purple / Yellow	Pin 59: Purple / Black
Pin 26: Purple / Green	Pin 60: Purple / Brown
Pin 27: Grey	Pin 61: Grey / Brown
Pin 28: Grey / Red	Pin 62: Grey / Blue
Pin 29: Grey / Yellow	Pin 63: Grey / Black
Pin 30: White / Red	Pin 64: White / Blue
Pin 31: White / Yellow	Pin 65: White / Black
Pin 32: Black	Pin 66: Black / White
Pin 33: Black / Red	Pin 67: Black / Blue
Pin 34: Black / Green	Pin 68: Black / Brown
Shell-Shell: Drain wire	

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Datasheet Revisions

- 06/20/2024: Added explanation of offset connectors.
- 06/19/2024: Added VHDCI connector diagram for pin numbering; added Termination (IDC).
- 07/03/2024: Added note regarding stacked connectors on NI cards.

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