

User Guide

INF4203-Pinout





INF4203: Rebel LT CAN Bus Breakout Cable



Description:

This 230 mm breakout cable is supplied with each Rebel LT data logger making it suitable to connect devices that are compliant with the standard CIA 9 PIN D-Sub pinout directly to the data loggers.

The cable has one 25 Way D-Sub connector, which connects directly to the Rebel LT data logger and two 9 Way D-Sub connectors as described here:

- POWER/CAN0 enables power and a CAN bus to be connected to the Rebel data logger. Type - 9Way D-Sub (Plug)
- AUX/CAN 1 enables a CAN bus to be connected to the Rebel data logger. This cable can also be used to supply auxiliary power from the Rebel data loggers to other devices that will be powered from the data logger. Type - 9 Way D-Sub (Socket)

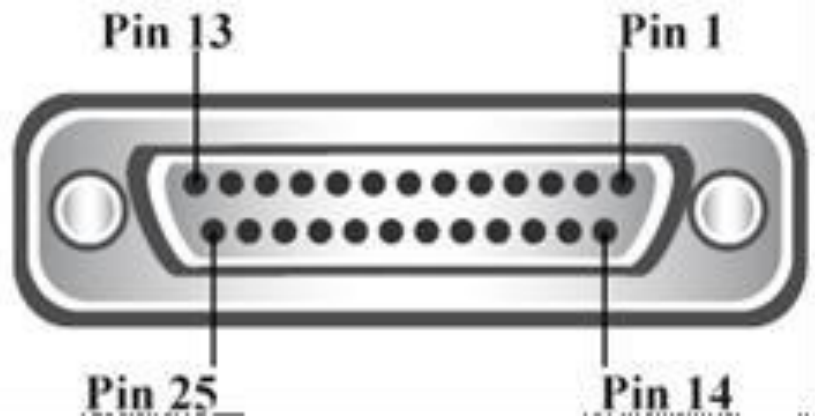
This cable is suitable for LT Data Loggers and can also be used to supply power directly to the K-series modules or the Rebel Dash from the Rebel data loggers. This helps to make the installation of our data loggers and instrumentation modules easy and with less cables required.

Tech Specs:

Cable Length	230mm
Cable Thickness	24 AWG 0.5 mm
Connector A	25-pin D-sub (DB25) socket, compatible with Rebel CT and Rebel LT data loggers
Connector B	9-pin D-sub (DB9) plug/nuts, pins compatible with CiA 303-1 (CAN 0 and Power)
Connector C	9-pin D-sub (DB9) socket, pins compatible with CiA 303-1 (CAN 1 and LIN)
Temperature	Operating temperature: -20degC to +80degC
Weight	142 g
Colour	Black



OBD and INST Connector

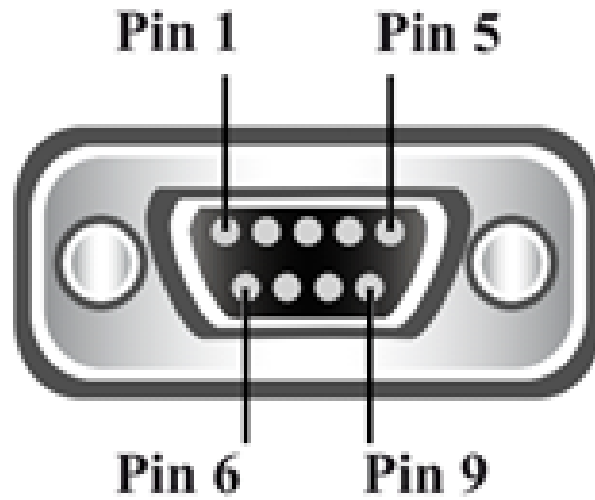


Pin No	Pin Function
Pin 5	Wake-Up pin to wake logger from sleep mode (for use see Appendix 1)
Pin 6	CAN Bus 1 (Medium Speed Bus) Low Signal
Pin 7	CAN Bus 0 (High Speed Bus) Low Signal
Pin 8	K-Line (1 wire bus) of ISO 9141
Pin 9	4.5-36V Supply Voltage
Pin 12	Digital Input or Output 0 - When used as an input do not apply voltages outside of the 0 to +12V range, when used as an Output ensure that current draw is not more than 50mA. More information on use of this pin can be found in Appendix 2 and 3
Pin 19	CAN Bus 1 (Medium Speed Bus) High Signal
Pin 20	CAN Bus 0 (High Speed Bus) High Signal
Pin 21	Ground
Pin 22	Power Ground
Pin 23	Digital Input or Output 3 (can also be used as a switched power supply +Vd)



CAN0/PWR/K-Line Connector

Male 9-pin standard D-Type connector with nuts

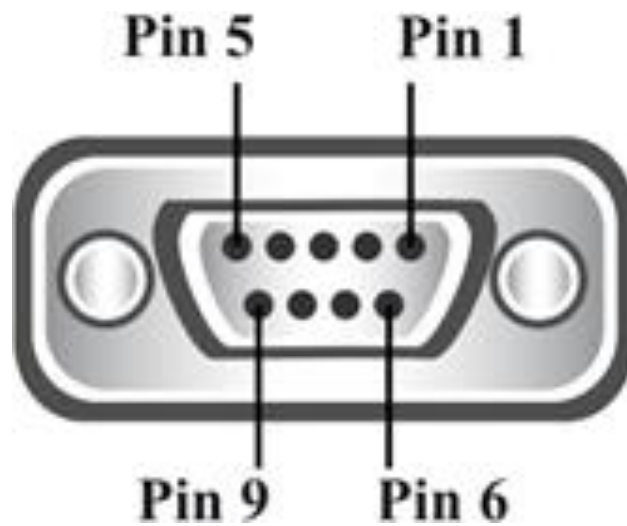


Pin No	Pin Function
Pin 2	CAN Bus 0 (High Speed Bus) Low Signal
Pin 3	Ground
Pin 4	K-Line (1 wire bus) of ISO 9141
Pin 5	Power Ground
Pin 7	CAN Bus 0 (High Speed Bus) High Signal
Pin 9	4.5-36V Supply Voltage



AUX/CAN 1/LIN Connector

Female 9-pin standard D-Type connector with screws



Pin No	Pin Function
Pin 2	CAN Bus 1 (Medium Speed Bus) Low Signal
Pin 3	Ground
Pin 5	Ground
Pin 6	Digital Input or Output 0 - When used as an input do not apply voltages outside of the 0 to +12V range, when used as an Output ensure that current draw is not more than 50mA. More information on use of this pin can be found in Appendix 2 and 3
Pin 7	CAN Bus 1 (Medium Speed Bus) High Signal
Pin 9	Power Supply Switched

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