

User Guide

INF4202-Pinout





INF4202: Rebel FlexRay/CAN Breakout Cable

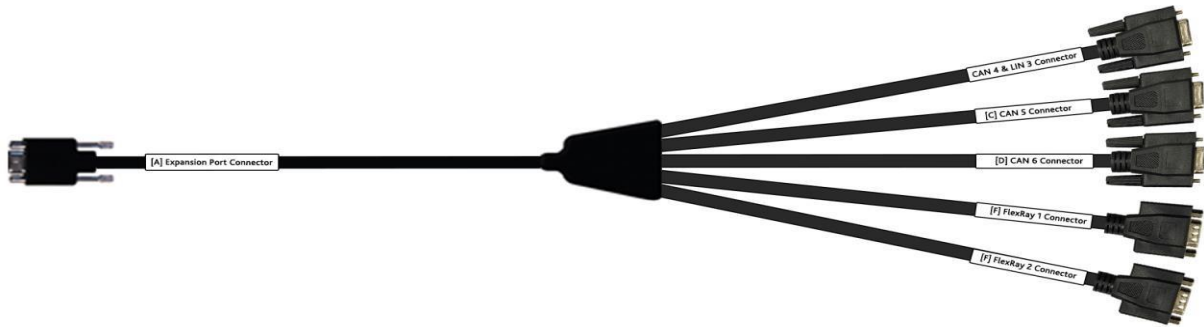


Description:

Connects to the expansion port of the Rebel CT FlexRay and Rebel CT 7 data logger. The LIN bus, CANbuses and FlexRay channels are connected to separate 9 Way D Sub moulded connectors. This cable consists of two FlexRay connectors, three CAN buses connectors and one LIN connector.

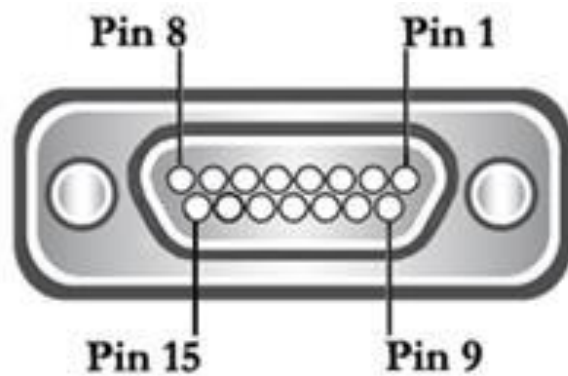
Tech Specs:

Cable Length	700 mm
Cable Thickness	22 AWG 0.6 mm
Connector A	Micro D (DB15) socket, compatible with the Rebel CT FlexRay and Rebel CT 7 dataloggers communication expansion port.
Connector B	9-pin D-sub (DB9) socket, pins compatible with CiA 303-1 (CAN 4 & LIN3)
Connector C	9-pin D-sub (DB9) socket, pins compatible with CiA 303-1 (CAN 5)
Connector D	9-pin D-sub (DB9) socket, pins compatible with CiA 303-1 (CAN 6)
Connector E	9-pin D-sub (DB9) plug, FlexRay channel A
Connector F	9-pin D-sub (DB9) plug, FlexRay channel B
Temperature	Operating temperature: -20degC to +80degC
Weight	236 g
Colour	Black



Expansion Port Connector

Female 15-pin 1.27mm pitch micro-D connector

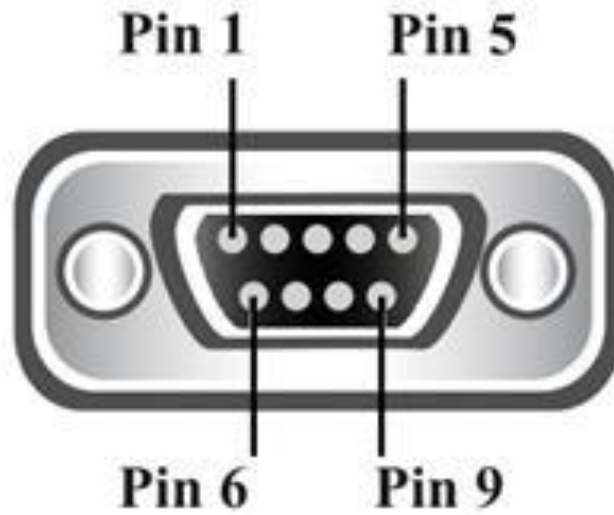


Pin No	Pin Function
Pin 1	CAN Bus 4 (Ext 1) Low Signal
Pin 2	CAN Bus 4 (Ext 1) High Signal
Pin 3	CAN Bus 5 (Ext 2) Low Signal
Pin 4	CAN Bus 5 (Ext 2) High Signal
Pin 5	CAN Bus 6 (Ext 3) Low Signal
Pin 6	CAN Bus 6 (Ext 3) High Signal
Pin 7	LIN (Local Interconnect Network) Bus
Pin 8	+Vin Supply Voltage
Pin 9	FlexRay Bus 1 BP Signal
Pin 10	FlexRay Bus 1 BM Signal
Pin 11	FlexRay Bus 2 BP Signal
Pin 12	FlexRay Bus 2 BM Signal
Pin 13	Ground for the FlexRay Buses
Pin 14	Ground for the CAN and LIN Buses
Pin 15	Power Ground



FlexRay 1 Connector

Male 9-pin standard D-type connector

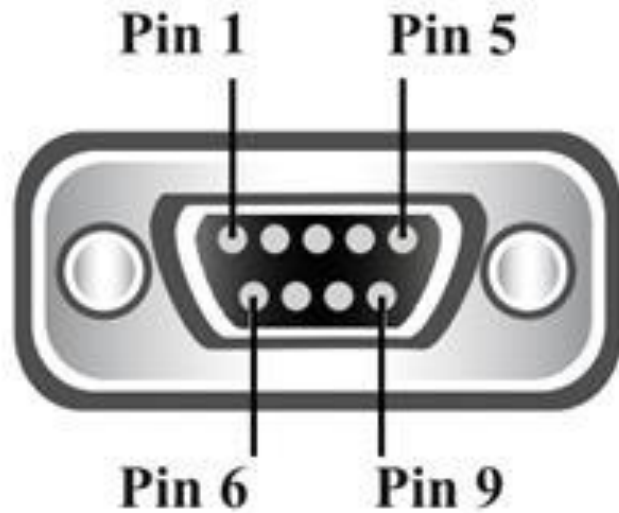


Pin No	Pin Function
Pin 2	FlexRay Bus 1 BM Signal
Pin 3	Ground for the FlexRay Buses
Pin 5	Power Ground
Pin 7	FlexRay Bus 1 BP Signal



FlexRay 2 Connector

Male 9-pin standard D-type connector

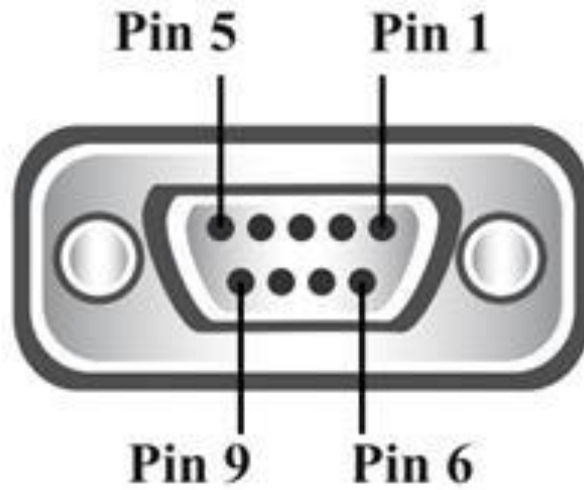


Pin No	Pin Function
Pin 2	FlexRay Bus 2 BM Signal
Pin 3	Ground for the FlexRay Buses
Pin 5	Power Ground
Pin 7	FlexRay Bus 2 BP Signal



CAN 4 and LIN 3 Connector

Female 9-pin standard D-type connector

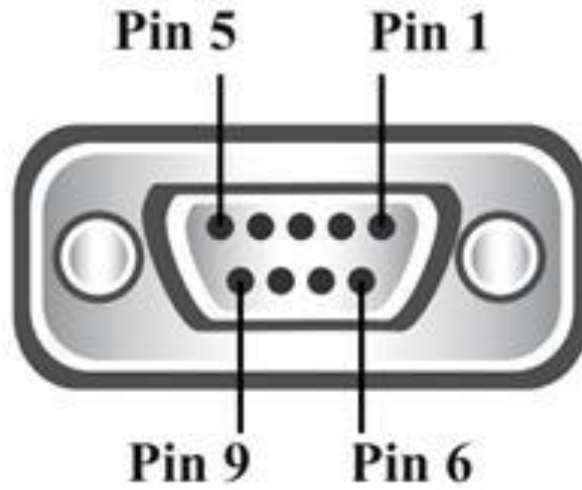


Pin No	Pin Function
Pin 2	CAN Bus 4 (Ext 1) Low Signal
Pin 3	Ground for the CAN and LIN Buses
Pin 4	LIN 3 (Local Interconnect Network) Bus
Pin 5	Power Ground
Pin 7	CAN Bus 4 (Ext 1) High Signal



CAN 5 Connector

Female 9-pin standard D-type connector

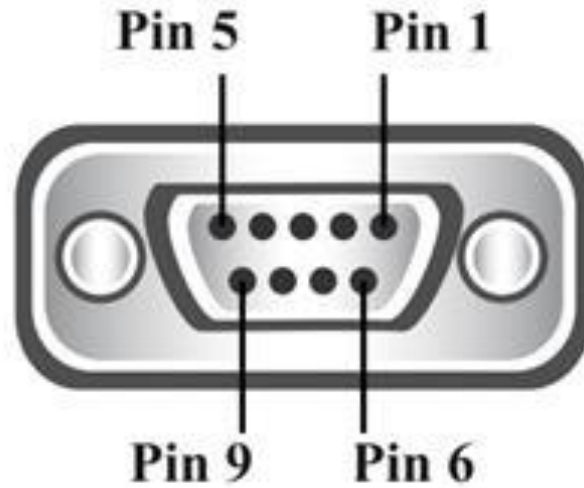


Pin No	Pin Function
Pin 2	CAN Bus 5 (Ext 2) Low Signal
Pin 3	Ground for the CAN and LIN Buses
Pin 5	Power Ground
Pin 7	CAN Bus 5 (Ext 2) High Signal



CAN 6 Connector

Female 9-pin standard D-type connector



Pin No	Pin Function
Pin 2	CAN Bus 6 (Ext 3) Low Signal
Pin 3	Ground for the CAN and LIN Buses
Pin 5	Power Ground
Pin 7	CAN Bus 6 (Ext 3) High Signal

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