

User Guide

INF4100-Pinout





INF4100: Rebel Start-Up Kit Harness



Description:

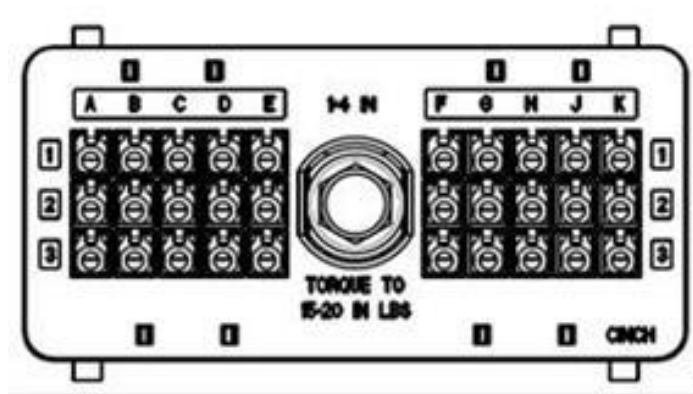
This cable is specifically designed to work with the Rebel 100, making it easier access the data loggerIO during the early engineering development stages. The Rebel 100 is designed to be installed for long term event monitoring on production machinery and therefore the connector type is the same that you would normally find on an ECU. This type of connector is not very convenient for engineering development since these connectors are harder to work with. The Rebel100 start-up harness will enable you to connect to the Rebel 100 using standard 9 PIN D-Sub connectors like the Rebel CT multi-connect cable.

Tech Specs:

Cable Length	890 mm
Cable Thickness	UNKNOWN
Connector A	Automotive Connectors ME ENCLOSURE CINCH 581-01-30-065
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)
Connector D	9-pin D-sub (DB9) socket, pins compatible with CiA 303-1 (CAN 2)
Connector E	9-pin D-sub (DB9) socket, pins compatible with CiA 303-1 (CAN 3)
Connector F	15 pin D-Sub (DB15) socket, digital and analog inputs
Temperature	Operating temperature: -20degC to +80degC (Start-up kit harness only)
Weight	469 g
Colour	Black



Data Logger Socket.

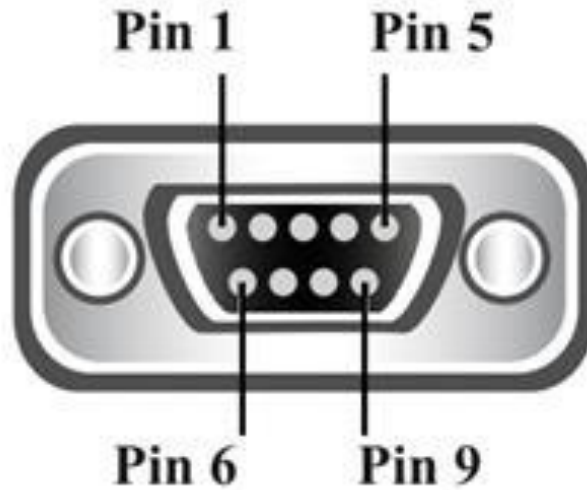


Pin	Pin Function	Pin	Pin Function	Pin	Pin Function
1A	CAN 1-L	2A	CAN 1-H	3A	Dig0
1B	CAN 0-L	2B	CAN 0-H	3B	Dig1
1C	CAN 3-L	2C	CAN 3-H	3C	Dig2
1D	CAN 2-L	2D	CAN 2-H	3D	Dig3
1E	K-Line	2E	Wake-up#	3E	6-41V
1F	Erase#	2F	GND	3F	PowerGND
1G	Ain3_inst	2G	GNDa	3G	usb_+5V
1H	Ain2_inst	2H	GNDa	3H	usb_GND
1J	Ain1_inst	2J	GNDa	3J	usb_D+
1K	Ain0_inst	2K	GNDa	3K	usb_D-



CAN0/CAN1/Kline/PWR Connector

Male 9-pin standard D-type connector with screws

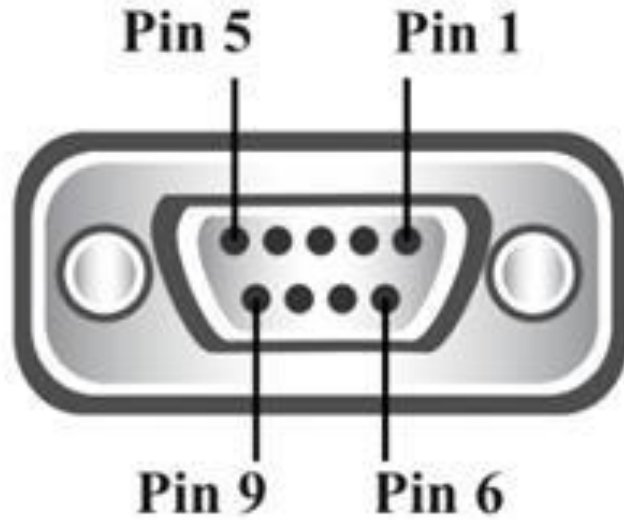


Pin No	Pin Function
Pin 1	CAN Bus 1 (Medium Speed Bus) Low Signal
Pin 2	CAN Bus 0 (High Speed Bus) Low Signal
Pin 3	Ground
Pin 4	K-Line (1 wire bus) of ISO 9141
Pin 5	Power Ground
Pin 7	CAN Bus 0 (High Speed Bus) High Signal
Pin 8	CAN Bus 1 (Medium Speed Bus) High Signal
Pin 9	4.5-41V Supply Voltage



CAN 1 Connector

Female 9-pin standard D-Type connector with screws

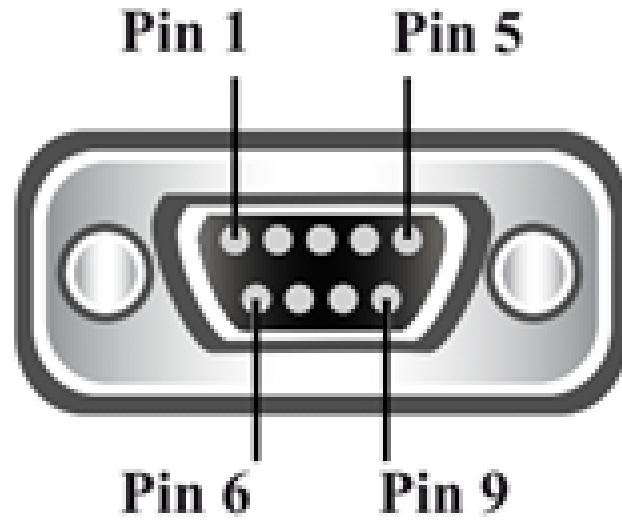


Pin No	Pin Function
Pin 2	CAN Bus 1 (Medium Speed Bus) Low Signal
Pin 3	Ground
Pin 5	Ground
Pin 7	CAN Bus 1 (Medium Speed Bus) High Signal



CAN 2 Connector

Male 9-pin standard D-type connector with nuts

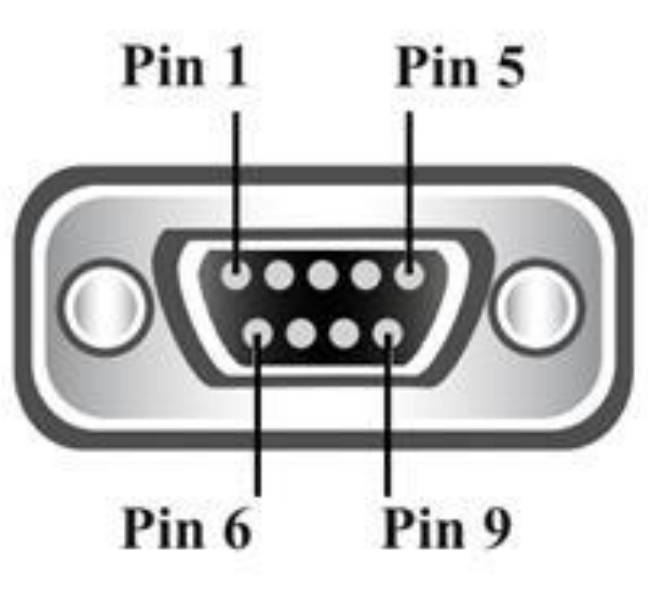


Pin No	Pin Function
Pin 2	CAN 2 Bus Low Signal
Pin 3	Power Ground
Pin 7	CAN 2 Bus High Signal



CAN 3 Connector

Male 9-pin standard D-type connector with nuts

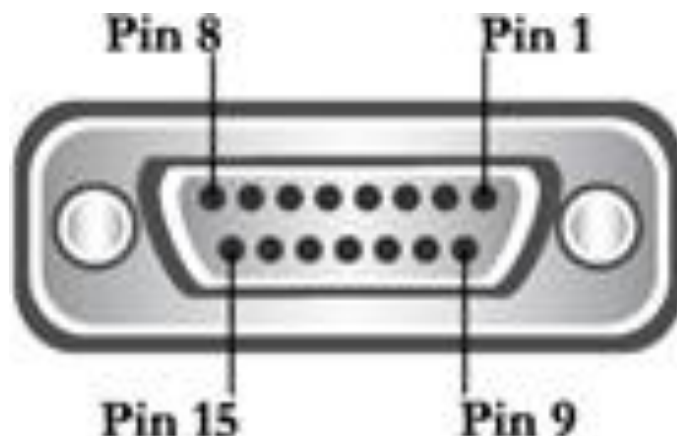


Pin No	Pin Function
Pin 2	CAN 3 Bus Low Signal
Pin 3	Power Ground
Pin 7	CAN 3 Bus High Signal



Digital and Analog Connector

Male 15-pin standard D-type connector with screws



Pin No	Pin Function
Pin 2	Digital Input or Output 1 - 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 4	Ground
Pin 5	Erase
Pin 6	Analog Ground
Pin 7	Analog Input 1 - do not apply voltages outside of the -10 to +10V range
Pin 8	Analog Input 3 - do not apply voltages outside of the -10 to +10V range
Pin 9	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-Normal
Pin 10	Digital Input or Output 2 - 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 11	Ground
Pin 13	Wake-Up pin to wake logger from sleep mode (for use see Appendix 1)
Pin 14	Analog Input 0 - do not apply voltages outside of the -10 to +10V range
Pin 15	Analog Input 2 - do not apply voltages outside of the -10 to +10V range

Influx Technology Headquarters, UK

Office Suite 22,
Building 03 Millbrook Proving Ground,
Station Lane Millbrook
Bedford
MK45 2JQ

Telephone: +44 (0) 1525 842504
Sales: sales@influxtechnology.com

Influx Big Data Solutions Pvt Ltd, India

#2,
Krishvi,
Ground Floor,
Old Airport Road,
Domlur,
Bangalore,
560071

Phone: +91 7337748490
Sales: sales_india@influxtechnology.com

Influx Technology Asia, China

Rm.722,
Flr.7,
Lisheng Tower,
Wangfujing Street 201,
Dongcheng District,
Beijing,
100005,
China

Telephone: 86-10-5718-1640
Email: info@influxasia.com