

Infinitybox inMOTION Pinout Documentation
inMOTION PCB P/N 852-062 REV 3.0
Release Date: 2012_08_21
Revision 2.4

Note: All pin references relate to Aptiv standard cavity identification for the mating connector.

inMOTION CAN Connector Details:

BOTH CAN PORTS ARE IDENTICAL

Component	Delphi Part Number
Connector	15357036
Retainer	15318138
Seal	15318139
Strain Relief	15318140
Cavity Plugs	12129557
Terminal	15435885

inMOTION CAN Connector Pinouts:

BOTH CAN PORTS ARE IDENTICAL

Cavity Identification	Function	Reference Wire Color
1	Charge Pump (Not Used)	N/A
2	CAN LOW	Green
3	CAN HIGH	Blue
4	Battery Voltage (Not Used)	N/A
5	Ground	Black
6	CAN LOW	Green
7	CAN HIGH	Blue
8	Battery Voltage (Not Used)	N/A

inMOTION Power/Ground Input Connectors

- Both Power/Ground ports must be used

BOTH PORTS ARE IDENTICAL

Component	Delphi Part Number
Connector/Seal	12085030
Terminal	12033997

inMOTION Power/Ground Input Connectors Pinout

BOTH PORTS ARE IDENTICAL

Cavity Identification	Function
A	Battery Voltage
B	Ground

inMOTION Output Connectors

BOTH OUTPUT CONNECTORS ARE IDENTICAL

Component	Delphi Part Number
Connector/Seal	12084891
TPA	15324857
Wire Seal	12015323
Terminal	12129493

inMOTION A Connector Pinouts

Cavity Identification	Function	Reference Wire Color
A	Output 1b	Green
B	Output 1a	Light-Green
C	Output 2b	Blue
D	Output 2a	Light-Blue
E	Output 3b	Brown

inMOTION B Connector Pinouts

Cavity Identification	Function	Reference Wire Color
A	Output 3a	Tan
B	Output 4b	Orange
C	Output 4a	Yellow
D	Output 5b	Grey
E	Output 5a	White