

Infinitybox inMOTION Pinout Documentation  
 inMOTION PCB P/N 852-062 REV 3.0  
 Release Date: 2012\_08\_21  
 Revision 2.1

Note: All pin references relate to Delphi 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
CPA	15318141
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

<b>Component</b>	<b>Delphi Part Number</b>
<b>Connector/Seal</b>	12085030
<b>Terminal</b>	12033997

*inMOTION Power/Ground Input Connectors Pinout*

BOTH PORTS ARE IDENTICAL

<b>Cavity Identification</b>	<b>Function</b>
<b>A</b>	Battery Voltage
<b>B</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