

Infinitybox L1 POWERCELL Pinout Documentation  
 POWERCELL PCB P/N 852-012 REV 10.3  
 Release Date: 2012\_08\_21  
 Revision 2.3

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

*POWERCELL 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

*POWERCELL 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	Red
5	Ground	Black
6	CAN LOW	Green
7	CAN HIGH	Blue
8	Battery Voltage	Red

*POWERCELL Power Input Connectors*

- All three connector ports are electrically identical
- Do not draw more than 60-amps continuously from a single connector port.

**ALL THREE PORTS ARE IDENTICAL**

<b>Component</b>	<b>Delphi Part Number</b>
<b>Connector</b>	12129380
<b>Seal</b>	12129382
<b>TPA</b>	12129384
<b>Wire Seal</b>	12129381
<b>Terminal</b>	12129414

*POWERCELL Output Connectors*

**BOTH OUTPUT CONNECTORS ARE IDENTICAL**

<b>Component</b>	<b>Delphi Part Number</b>
Connector/Seal	12110295
TPA	12059195
Wire Seal	12015323
Terminal	12129493

## *POWERCELL A Connector Pinouts*

Cavity Identification	Function	Reference Wire Color
A	Ground	Black
B	Output 10	Tan
C	Output 9	Orange
D	Output 8*	Green
E	Output 7*	Blue
F	Output 6*	Yellow

## *POWERCELL B Connector Pinouts*

Cavity Identification	Function	Reference Wire Color
A	Ground	Black
B	Output 1*	Brown
C	Output 2*	Violet
D	Output 3*	Light-Green
E	Output 4*	Light-Blue
F	Output 5*	White

\* Only Outputs 1 through 8 can be Pulse-Width Modulated