

Infinitybox L1 POWERCELL Pinout Documentation
 POWERCELL PCB P/N 852-012 REV 10.3
 Release Date: 2012_08_21
 Revision 2.1

Note: All pin references relate to Delphi 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

Component	Delphi Part Number
Connector	12129380
Seal	12129382
TPA	12129384
Wire Seal	12129381
Terminal	12129414

POWERCELL Output Connectors

BOTH OUTPUT CONNECTORS ARE IDENTICAL

Component	Delphi Part Number
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