DIY Thru-hole Version 4.2 OpenEVSE Connections

AC High Voltage Connections

Low Voltage Data, Control, and Ground Connections

J1772 Cable

Proximity N/C

Pilot

Tubular Ferrite Inductor At Cable Entry

Line 2
Line 1
GND

OpenEVSE DIY Thru-hole board V4.2

L1 / L2 sense

AC1 G AC2

Pilot

G P

Power DCIN

G 12

LCD Display I2C

SDC SDA 5 G

SPI_PRG_connector

MISO	1	2	+5
SCK	3	4	MOSI
RESET	5	6	GND

FTDI

GND
CTS
VCC
TXO
RXI
DTR

Ground Fault CT1

Relay1

LED1

REDLED
RLY2
D7

Blue

Charge LED

GF Coil CT1

A1

Coil

A2

12V RELAY

14   34

11   31

Power Supply >= 5 watts

12 vdc +
         _

110-240 vac

L2 L1 Gnd

Ground Bus Bar

1 2 3 4

PE

F2   F1

Fuses or Circuit Breaker

RGB Display board V4.2 with DS3231 RTC

JP1

SDC SDA 5 V Gnd

Display I2C

D-1 D-2 D-3 D-4 D-5 D-6 D-7 D-8 D-9 D-10 D-11 D-12 D-13 D-14 D-15 D-16 D-17 D-18

RGB LCD 16X2 Display

JP3

Push Buttons

5
4
3
2
Gnd 1

Optional S3

Optional S2

Optional S1

Select PB S0

1 2

Tubular Ferrite Inductor At Power Inlet

GND L2 L1

2   2   2

1   1   1

Ground Line 2 Line 1