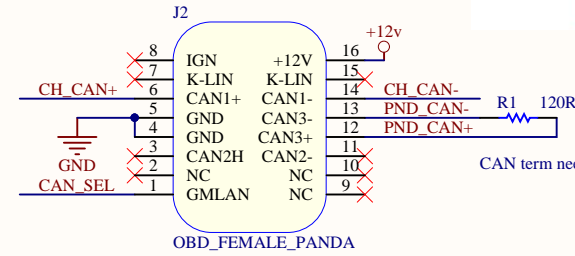
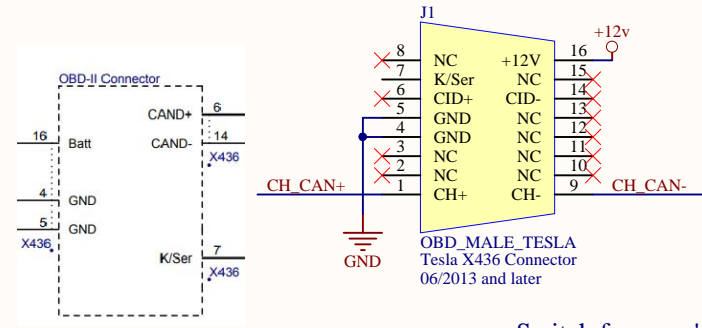
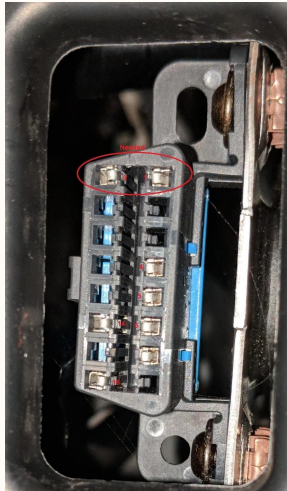


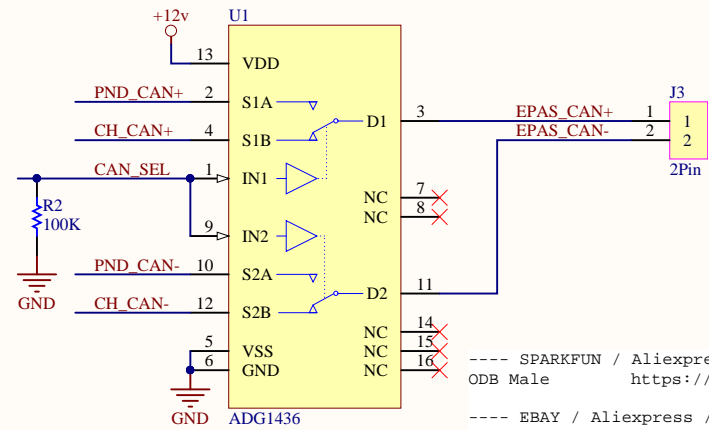
Tesla Giraffe

For AP0 (not equipped with Autopilot)

- Cars built after May 31, 2013 use OBD port (shown here)

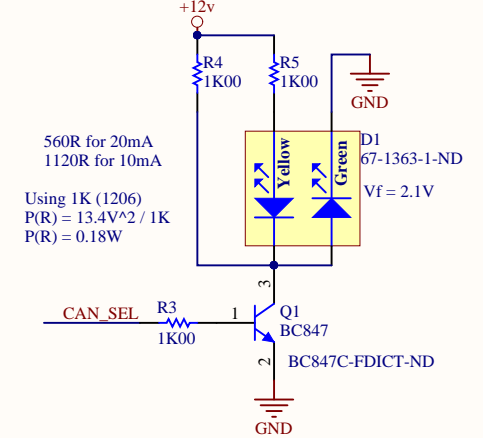


Switch from car's or Panda's Chassis CAN

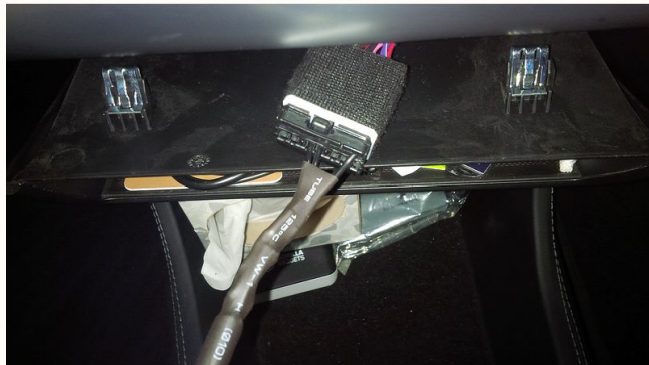


Switch state monitoring

Green: Car's Chassis CAN
Yellow: Panda's version of Chassis CAN



- Cars built before May 31, 2013 use diagnostic port (X437)
because they do not have pins 1/9 (chassis CAN) present on OBD



Diagnostic Connector Pinout

Pin	Can Bus
1	Can 3 +
2	Can 4 Body Fault Tool +
3	K Line (ISO9141 or LIN Bus)
4	Can 6 Chassis +
5	Can 2 +
6	Can 3 -
7	Can 4 Body Fault Tool -
8	NA
9	Ground
10	+12V
11	Can 6 Chassis -
12	Can 2 Body -

---- SPARKFUN / Aliexpress / Alibaba ----
ODB Male <https://www.sparkfun.com/products/9911>

---- EBAY / Aliexpress / Alibaba ----
ODB Female <https://i.ebayimg.com/images/g/CN8AAOSwgdlaqheI/s-11600.jpg>
<https://goo.gl/Q1ZMab>

---- DIGIKEY ----
120R (1206) 541-4193-1-ND
1K00 (1206) 541-2245-1-ND
100K (1206) 541-4173-1-ND
BC847 BC847C-FDICT-ND
ADG1436 ADG1436YRUZ-REEL7CT-ND
JST 2Pins 455-1704-ND
Bicolor LED 67-1363-1-ND

Title Tesla Giraffe		
Size Letter	Number	Revision A
Date:	19/06/2018	Sheet 1 of 1
File:	D:\Documents\Tesla_Giraffe.SchDoc	Drawn By: JCT