

MAP	SPARE_OEM_1
WB02	SPARE_OEM_2
IAT_AFTERMARKET	SPARE_OEM_3
LS12	SPARE_OEM_4
LS13	SPARE_OEM_5
AV9	SPARE_OEM_6
AV10	SPARE_OEM_7
IGN2	SPARE_OEM_8
IGN4	SPARE_OEM_9

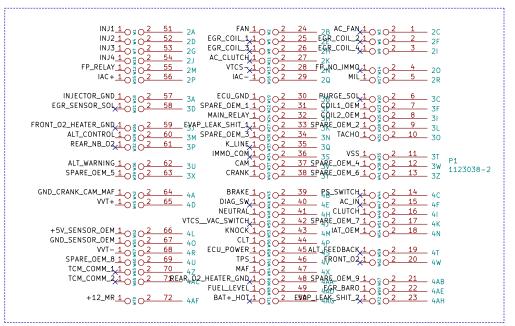
SPARE OEM PIN ASSIGNATION

AV1	_MAP
AV2	_WB02
AT3	_IAT_AFTERMARKE

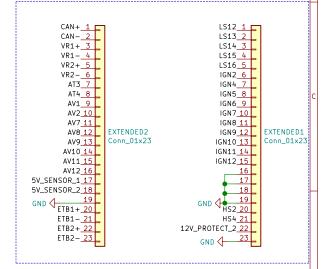
VITAL AFTERMARKET INPLITS

12V_PROTECT_1_

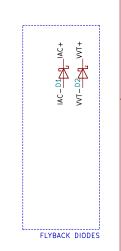
OEM PIN ASSIGNATION

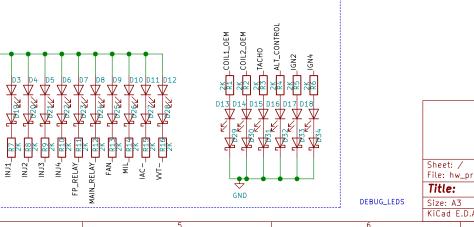


OEM HARNESS SIDE



UNUSED PROTEUS OUTPUTS





Sheet: / File: hw_proteus_72_NB.sch						
	Title:					
	Size: A3	Date:			Rev:	
KiCad E.D.A. kicad (5.1.2)-1 Id: 1/1						
		7			8	

PROTEUS BOARD

```
DIGITAL 2 1

DIGITAL 3 2

VR2 4 4

VR2 4 5

VR3 4 5

VR3 4 5

VR3 4 5

USB D 7 4 4

USB D 7 4

USB D 7 4 4

USB D 7 4

USB D 7 4 4

USB D 7 4

USB D 7 4 4

USB D 7 4

USB D 7 4 4

USB D 7 4
                                                                                                                                                                                                                                                                                                              Conn_01x35
 Conn_01x35
                                                                                                                                                                                                                                                                          GND 1 2 3 4 5 6 7 8
        1 HS2
2 HS1
3 LS1
4 LS3
5 LS5
6 LS6
7 LS7
8 LS9
9 LS11
10 LS13
11 LS14
12 LS15
13 HS3
14 HS4
15 LS2
                                                                                                                                                                                                                                            5V_SENSOR_1_9
                                                                                                                                                                                                                                            5V_SENSOR_2 10
                                                                                                                                                                                                                               12V_PROTECT_1<u>11</u>
12V_PROTECT_2<u>12</u>
                                                                                                                                                                                                                                                                                                     AV3<u>14</u>
AV5<u>15</u>
                                                                                                                                                                                                                                                                                                      AV7_16
                                                                                                                                                                                                                                                                                                      AV9 17
                     18
19 LS8
                                                                                                                                                                                                                                                                                              AV11<u>18</u>
AT1<u>19</u>
                                                                                              GND
                19 LS8
20 LS10
21 LS12
22 IGN3
23 LS16
24
25 IGN12
26 IGN11
27 IGN10
28 IGN9
30 IGN7
31 IGN6
32 IGN5
33 IGN4
34 IGN2
35 IGN1
                                                                                                                                                                                                                                                                                                      AT3 20
                                                                                                                                                                                                                                            5V_SENSOR_1 21
                                                                                                                                                                                                                                               5V_SENSOR_2 22
                                                                                                                                                                                                                                               AV4 25
AV6 26
                                                                                                                                                                                                                                                                                                      AV8<u>27</u>
                                                                                                                                                                                                                                                                                                AV10_28
                                                                                                                                                                                                                                                                                                AV12 29
                                                                                                                                                                                                                                                                                                      AT2 30
                                                                                                                                                                                                                                            5V_SENSOR_1_32
                                                                                                                                                                                                                                            5V_SENSOR_2_33
                                                                                                                                                                                                                                                                            KN0CK1<u>34</u>
                                                                                                                                                                                                                                                                            KNOCK2_35
```