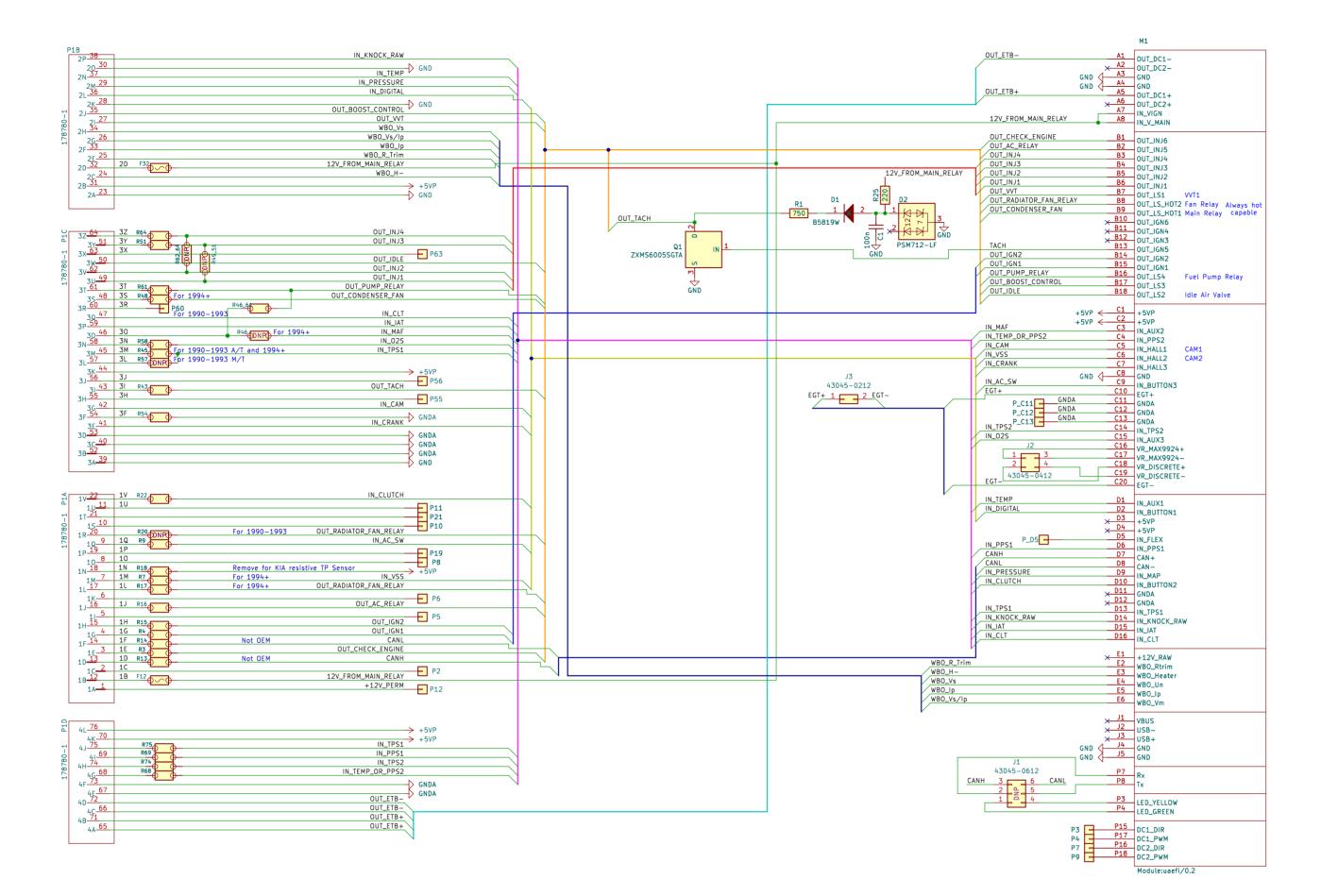
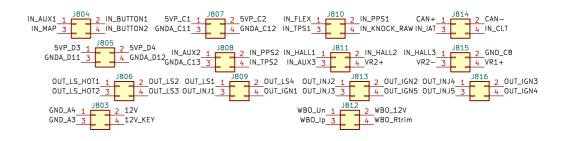
General purpose bus
Ignition
Injection
Analog inputs (sensors)
Discrete inputs
LS & HS outputs
DC Motor

Install R25 for 1990–1993 manual models with KIA TPS Also remove R22 for KIA TPS WARNING: Installing R25 with stock 1990–1993 TP switch will lead to short of 5V-GND!



+5VP	12V_FROM_MAIN_RELAY	Prototype area
1 2 3 4 6 7 8 9 11 12 13 14 PROTO_AREA	5 10 15	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
1 2 3 4 6 9 11 12 13 14 PROTO_AREA	5 10 15	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

M801 Module:uaefi/0.2 P806 - 1 OUT_DC1-P807 - 1 OUT_DC2-P808 - 1 GND_A3 P809 - 1 GND_A4 1 OUT_DC1+ P811 - 1 OUT_DC2+ P812 - 1 12V_KEY OUT_DC1-A2 OUT_DC2-GND A5 GND GND OUT_DC1+
A6 OUT_DC2+
IN_VIGN A8 IN_V_MAIN B1 OUT_INJ6 P825 1 0UT_IGNS
P826 1 0UT_IGNS
P827 1 0UT_IGN1
P828 1 0UT_IGN1
P829 1 0UT_LS4
P830 1 0UT_LS3
1 0UT_LS2 P831 __ 1 OUT_LS2 B18 OUT_LS2 Idle Air Valve CAM2 P852 1 IN_AUX1
P853 1 IN_BUTTON1
P854 1 5VP_D3
P856 1 IN_FLEX
P858 1 CAN+
P868 1 CAN-D1 IN_AUX1 IN_BUTTON1 +5VP D3 +5VP +5VP +5VP D5 IN_FLEX IN_PPS1 CAN+ CAN- IN_MAP IN_BBUTTON2 GNDA GNDA GNDA IN_TPS1 IN_KNOCK_RAW IN_LT IN_CLT P858 - 1 CAN-P859 - 1 CAN-P860 - 1 IN_MAP 1 IN_BUTTON2 P862 - 1 GNDA_D11 P863 - 1 IN_PS1 P863
P864
1 IN_TPS1
1 IN_KNOCK_RAW
1 IN_IAT
1 IN_IAT P867 1 IN_CLT +12V_RAW E2 WBO_Rtrim
E3 WBO_Heater
WBO_Un
E5 WBO_IP
WBO_Vm P873 1 WB0_Vm VBUS J2 J3 USB-USB+ GND J801 2 3 Conn_01x05_Pin - 4 J5 GND P801 - 1 P7 P8 Tx P802 - 1 P3 LED_YELLOW LED_GREEN P803 - 1 P15 P17 P16 P18 DC1_DIR DC1_PWM DC2_DIR DC2_PWM J802 - 2 P805 - 1



Sheet: / File: hellen1-uaefi.kicad_sch Title: UAEFI module Date: 2024-02-13 Rev: 0.2 KiCad E.D.A. kicad 7.0.10