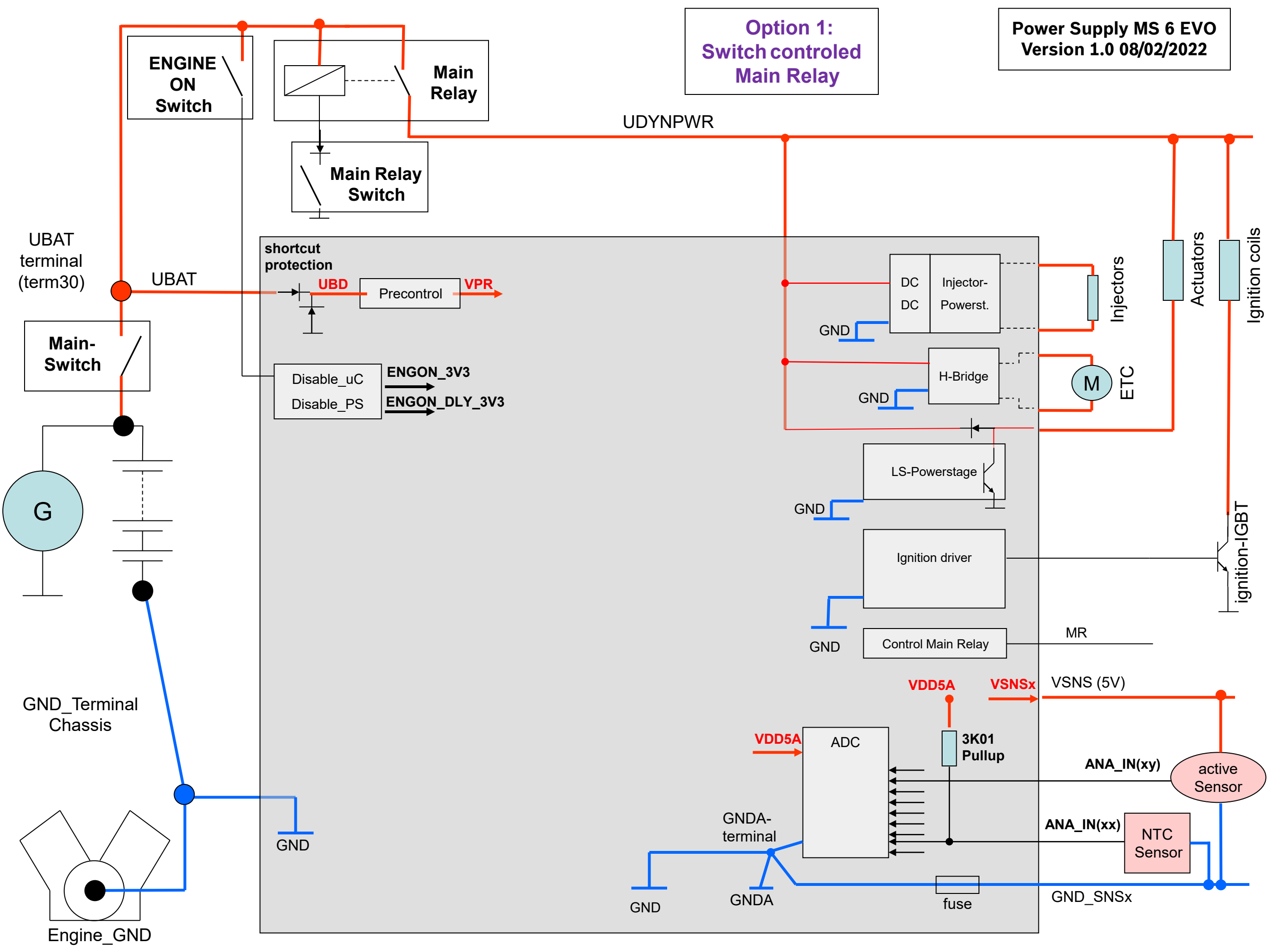


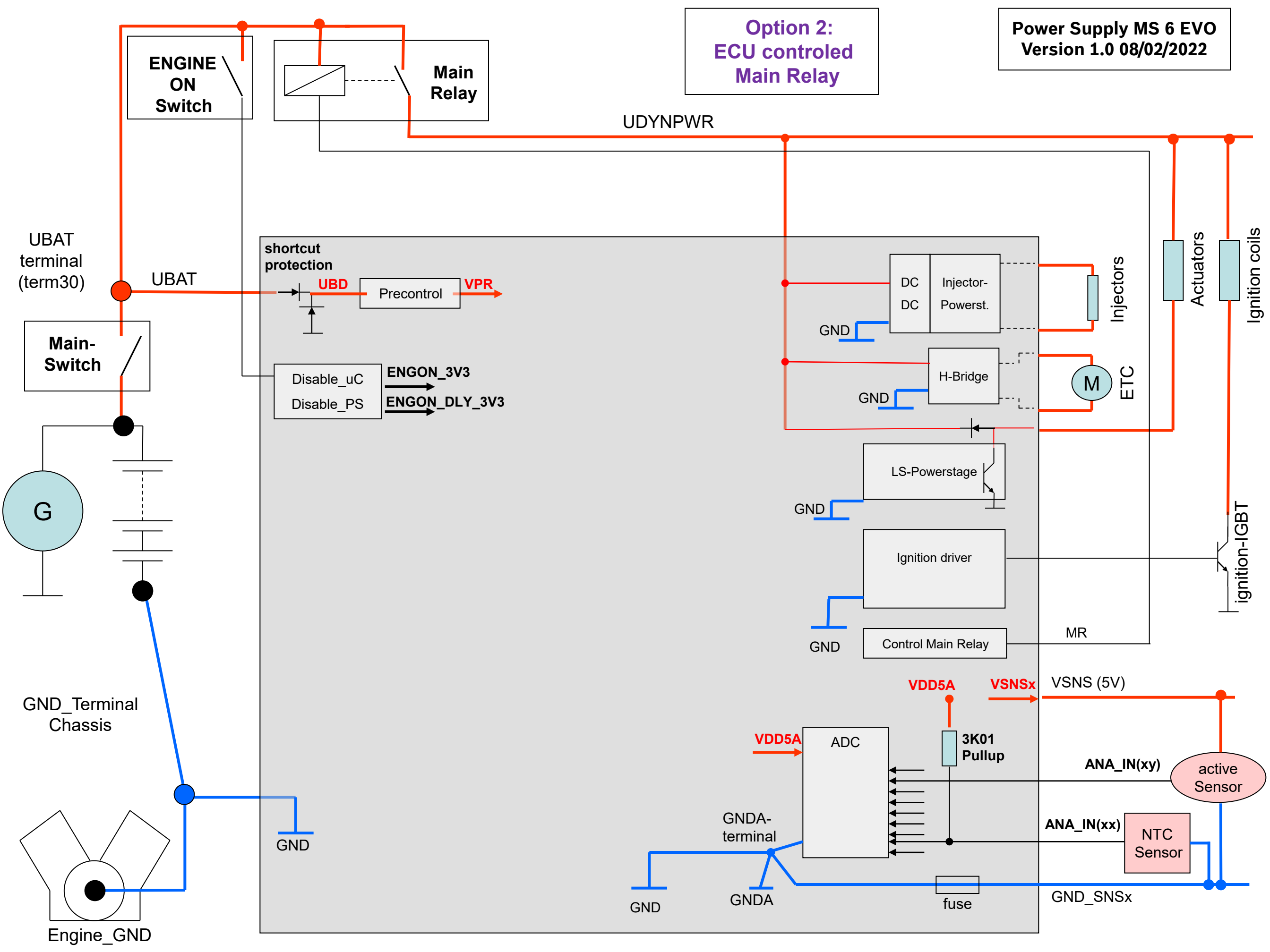
**Option 1:
Switch controlled
Main Relay**

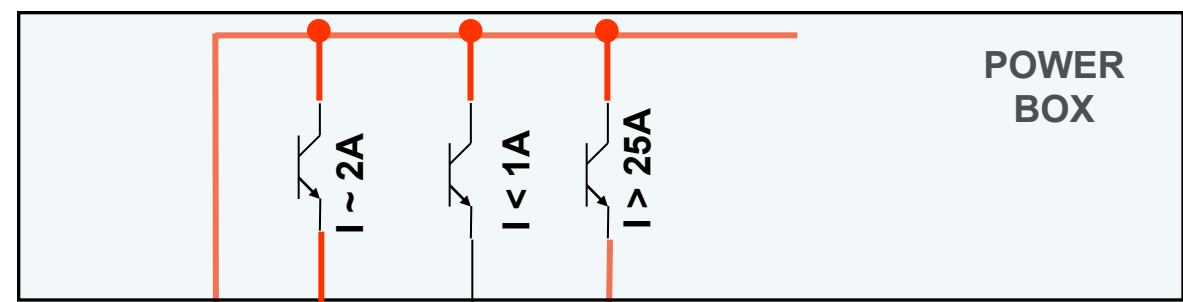
**Power Supply MS 6 EVO
Version 1.0 08/02/2022**



**Option 2:
ECU controlled
Main Relay**

**Power Supply MS 6 EVO
Version 1.0 08/02/2022**

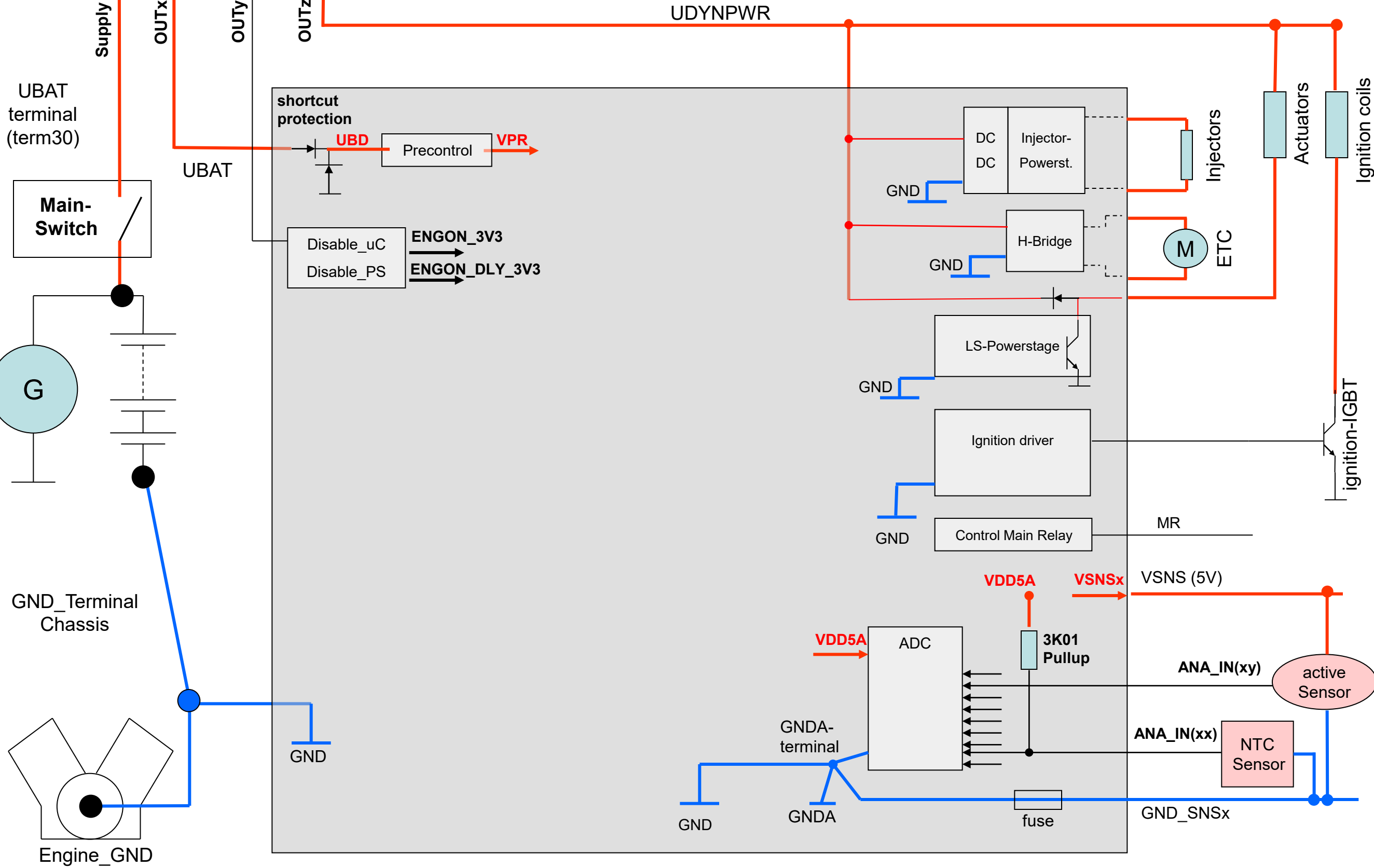




**Option 3:
Powerbox
takes Control**

**Power Supply MS 6 EVO
Version 1.0 08/02/2022**

Remarks:
"ENGINE_ON" has not to be controlled by the powerbox. Switch to Ubat is also allowed.



signal	details
UBAT	Power Supply ECU, shortcut protected; Supply of internal controller like processor, ASICs, CAN ...) If UBAT > threshold -> ECU switch on
UB	UBAT after shortcut- and high voltage protection
UDYNPWR	"DYN_PWR": from main-relay switched supply Supply of 65 V-DC/DC-change, FDI-powerstages, H-bridges, ... Main Relay has to content shortcut protection (not integrated in ECU)
VSNSx	Power supplies (5 V; 150 mA or 50 mA); 3 x 150 mA incl. diagnostics; 4 x 50 mA w/o diagnostics
ENGON_3V3	Input from Engine-ON-switch, detected by ECU functionality to en-/disable powerstages
ENGON_DLY_3V	Input from Engine-ON-switch. Contents Hardware delay, Stops ignition and injection.
GND	Ground ECU
GND_A	Analogue ground, ECU internal terminal near to ADC converter
GND_SNS	sensor ground, connected to analogue ground via board integrated fuse