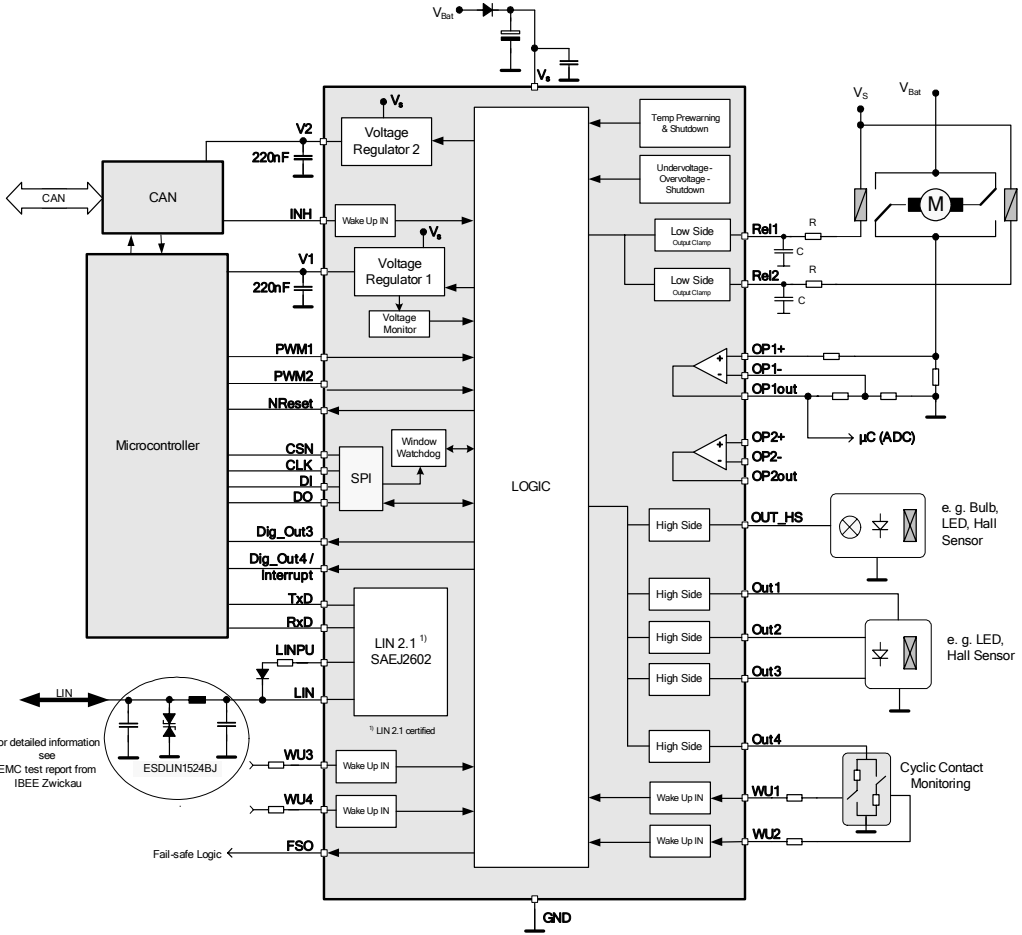

VBat
Vs
Vs
V2
220nF
Voltage Regulator 2
CAN
CAN
INH
Wake Up IN
Vs
V1
220nF
Voltage Regulator 1
Voltage Monitor
Microcontroller
PWM1
PWM2
NReset
CSN
CLK
DI
DO
SPI
Window Watchdog
Dig_Out3
Dig_Out4 / Interrupt
TxD
RxD
LINPU
LIN
LIN 2.1 1) SAEJ2602
1) LIN 2.1 certified
LIN
For detailed information see EMC test report from IBEE Zwickau
ESDLIN1524BJ
WU3
Wake Up IN
WU4
Wake Up IN
FSO
Fail-safe Logic
LOGIC
Temp Prewarning & Shutdown
Undervoltage - Overvoltage - Shutdown
Low Side Output Clamp
Low Side Output Clamp
Rel1
Rel2
R
C
R
C
VS
VBat
M
OP1+
OP1-
OP1out
µC (ADC)
OP2+
OP2-
OP2out
High Side
OUT_HS
e. g. Bulb, LED, Hall Sensor
High Side
Out1
High Side
Out2
High Side
Out3
e. g. LED, Hall Sensor
High Side
Out4
Cyclic Contact Monitoring
Wake Up IN
WU1
Wake Up IN
WU2
GND