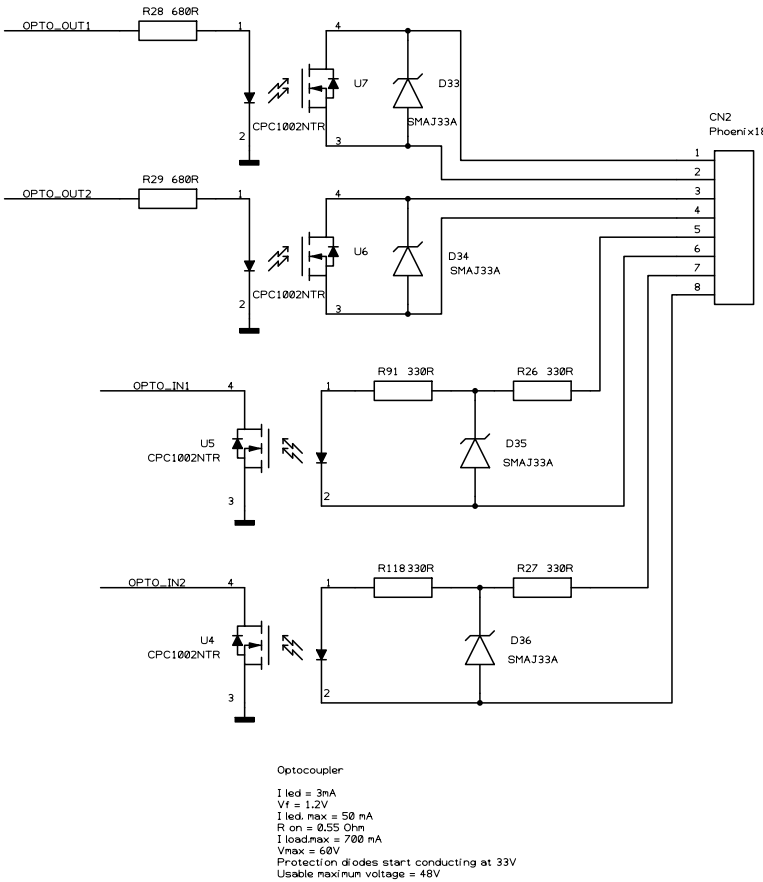


Optocoupler

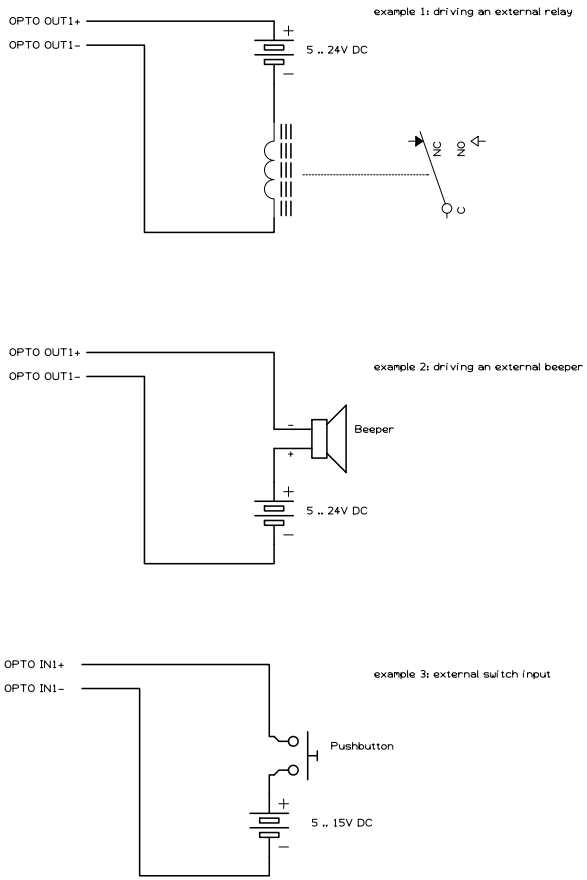
I led = 3mA
Vf = 1.2V
I led. max = 50 mA
R on = 0.55 Ohm
I load.max = 700 mA
Vmax = 60V
Protection diodes start conducting at 33V
Usable maximum voltage = 48V

1 = OPTO OUT1+ 2 = OPTO OUT1- 3 = OPTO OUT2+ 4 = OPTO OUT2-	max current: 600 mA max open voltage: 30 V
5 = OPTO IN1+ 6 = OPTO IN1- 7 = OPTO IN2+ 8 = OPTO IN2-	max input voltage: 24 V (typ. 12 V) minimum voltage to activate: 3.5 V

Phoenix Contact
1844278 pcb header 3.5mm pitch MC series
1840421 cable plug

Typical voltage for inputs is 5-15V
For >15V, it is recommended to include a series resistor
e.g for 24V, a 1000 Ohm/0.5W resistor is recommended
for 48V, a 3300 Ohm/1W resistor is recommended

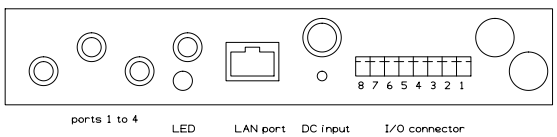
some examples



Sense & Control logic definitions

port \ logic	0	1 *
in1	Vin1 < 1 V	Vin1 > 3.5 V
in2	Vin2 < 1 V	Vin2 > 3.5 V
out1	switch off	switch on *
out2	switch off	switch on *

* An output may also be switched on by any non-zero number



DESIGN TITLE: I/O connector pinning			
PROJECT NAME			
COMPANY: Intellifi BV Keplerlaan 16 6716 BS Ede		DRAWING NO.	REVISION: 4
AUTHOR: Reinier Gerritsen		DATE: 2-8-2019	SHEET 1 OF 1