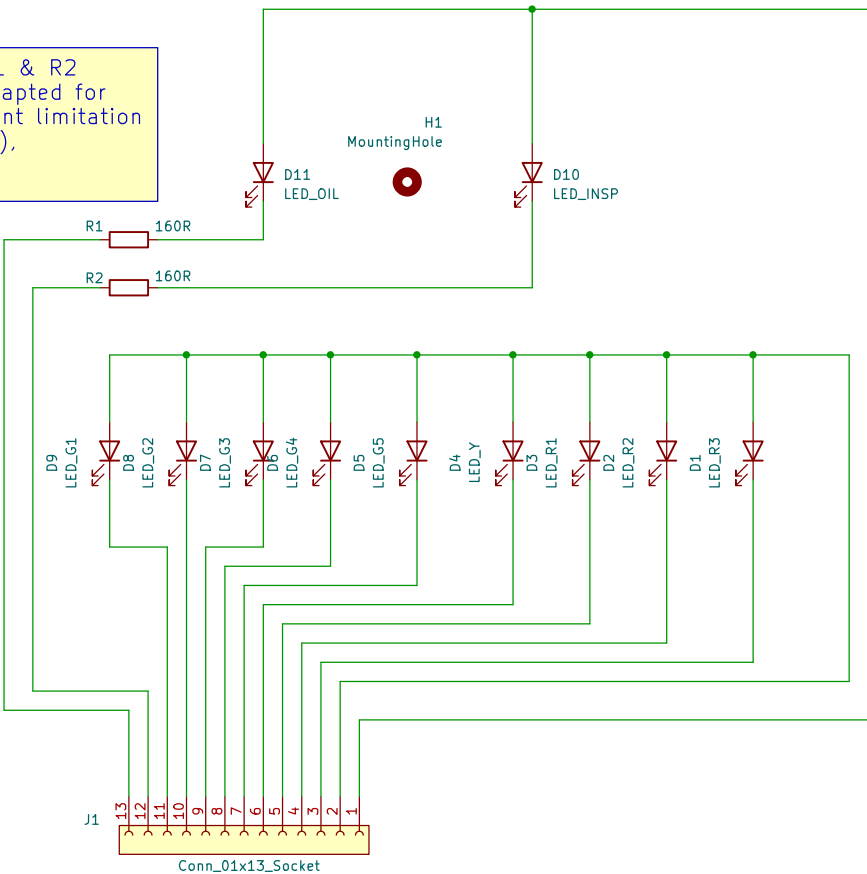


Resistance R1 & R2
needs to be adapted for
5mm LED current limitation
(depends on V_f),
 $V = 12 \dots 14V$

LEDs:
Standard 3mm LEDs,
connected to 12V with 160
Ohm current limiting
resistors

White LEDs to replace:
wide angle 5mm LEDs,
(warm) white, connected to
12V with current limiting
resistors



LED-Version to replace incandescent bulbs. If used with bulbs, replace R1 and R2 with wire bridges or 00hm Resistors		
Sheet: /		
File: BMW_E30_VFL_SI_Indicator_LED.kicad_sch		
Title: E30 VFL SI Indicator Board (9 LED)		
Size: A4	Date: 2024-06-15	Rev: 2
KiCad E.D.A. 8.0.1	Id: 1/1	