

**Source** /home/pozsarzs/Git/mm7d/cad\_files/mm7d/mm7d.sch

**Kicad Rev** Eeschema 4.0.5+dfsg1-4

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**Title** MM7D Air quality measuring device

**Company** Pozsar Zsolt - <http://www.szerafingomba.hu>

**Revision** 200620

**Date Issue** 2020-06-20

**Comment** Draw no.: 59/10/2

Ref.	Value	Type	Name
C1	100 nF		ceramic capacitor
C2	1000 µF 10V		electrolyt capacitor
D1		1N4001	diode
D2		1N4001	diode
D3	Ø 3mm white		LED
D4	Ø 3mm blue		LED
D5	Ø 3mm green		LED
D6	Ø 3mm yellow		LED
D7	Ø 3mm red		LED
F1	500 mA F		fuse
K1		RSY-5	relay
L1			ferrite ring
P1	Ø 2.1/5.5 mm	SN10M	power connector
P2		DB9F	connector
Q1		2N4401	transistor
R1	470 Ω 0.1 W		resistor
R2	360 Ω 0.1 W		resistor
R3	360 Ω 0.1 W		resistor
R4	1 kΩ 0.1 W		resistor
R5	360 Ω 0.1 W		resistor
R6	360 Ω 0.1 W		resistor
R7	39 kΩ 0.1 W		resistor
R8	9.1 kΩ 0.1 W		resistor
R9	4.7 kΩ 0.1 W		resistor
U1		Adafruit ESP8266 Huzzah Breakout	microcontroller
U2		MQ-135M	gas quality sensor modul
U3		DHT11	temperature and humidity sensor