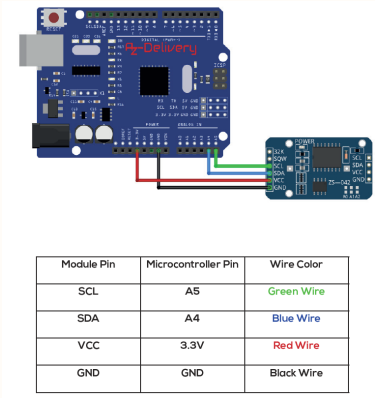
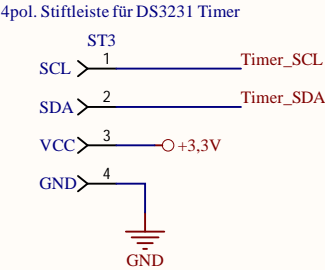
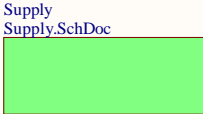
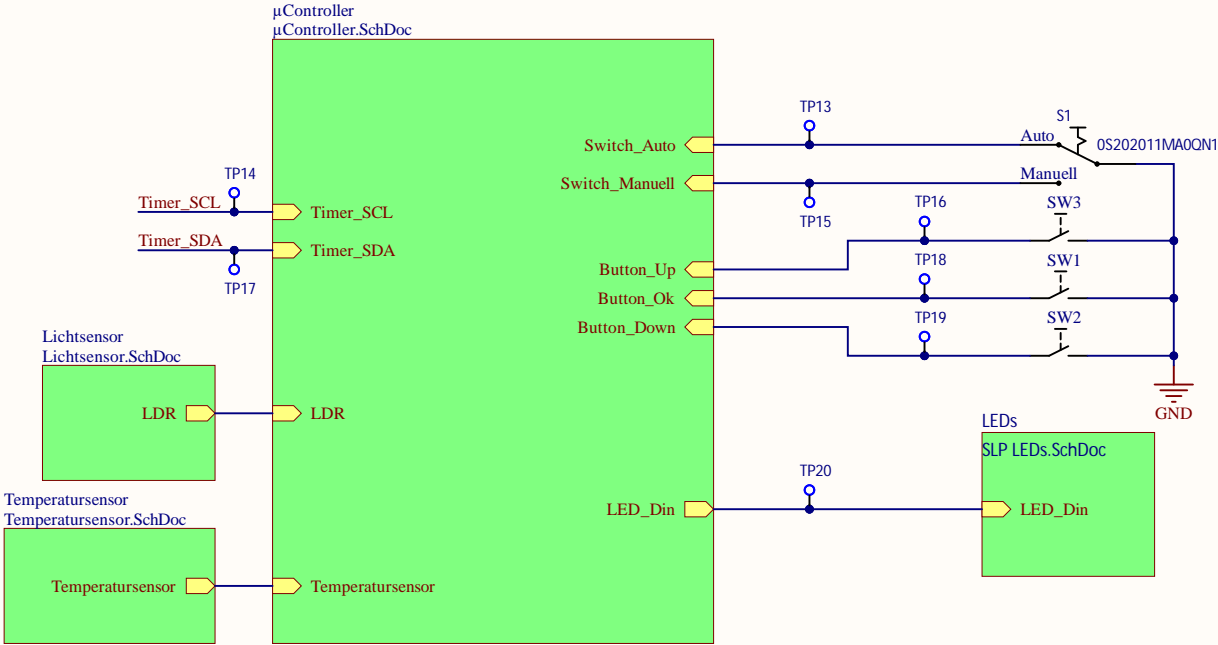


Word Clock



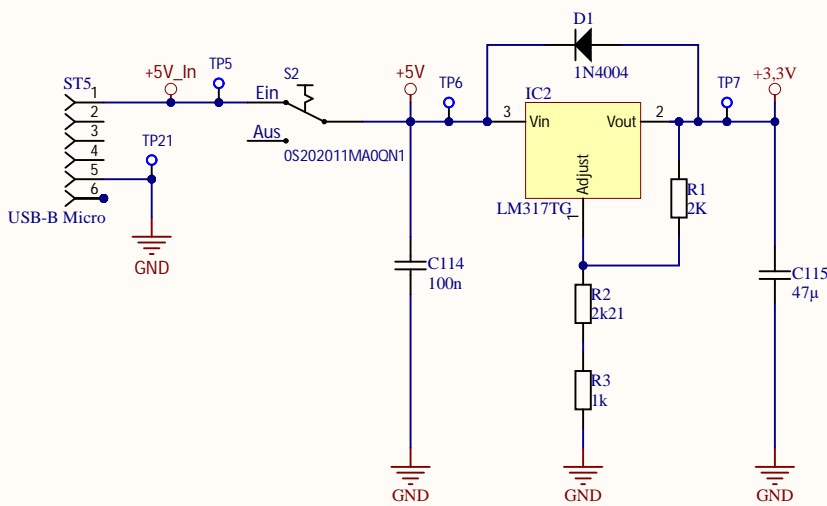
Module Pin	Microcontroller Pin	Wire Color
SCL	A5	Green Wire
SDA	A4	Blue Wire
VCC	3.3V	Red Wire
GND	GND	Black Wire



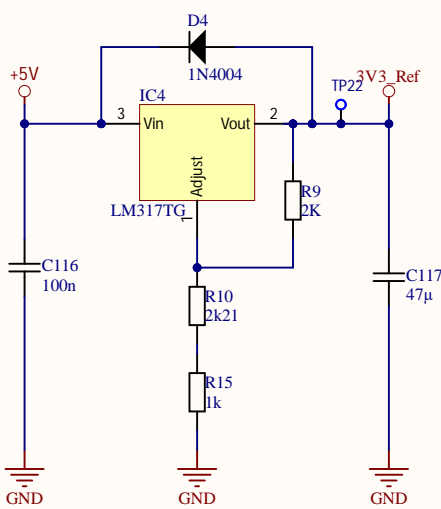


Eingang für Versorgungsspannung

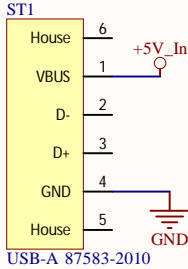
3V3 Spannungsversorgung



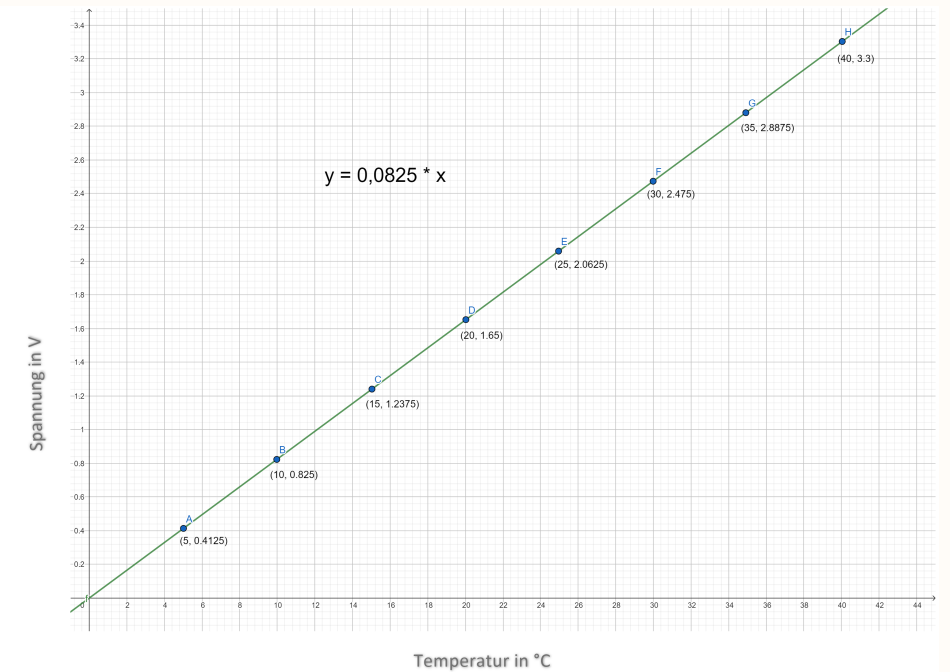
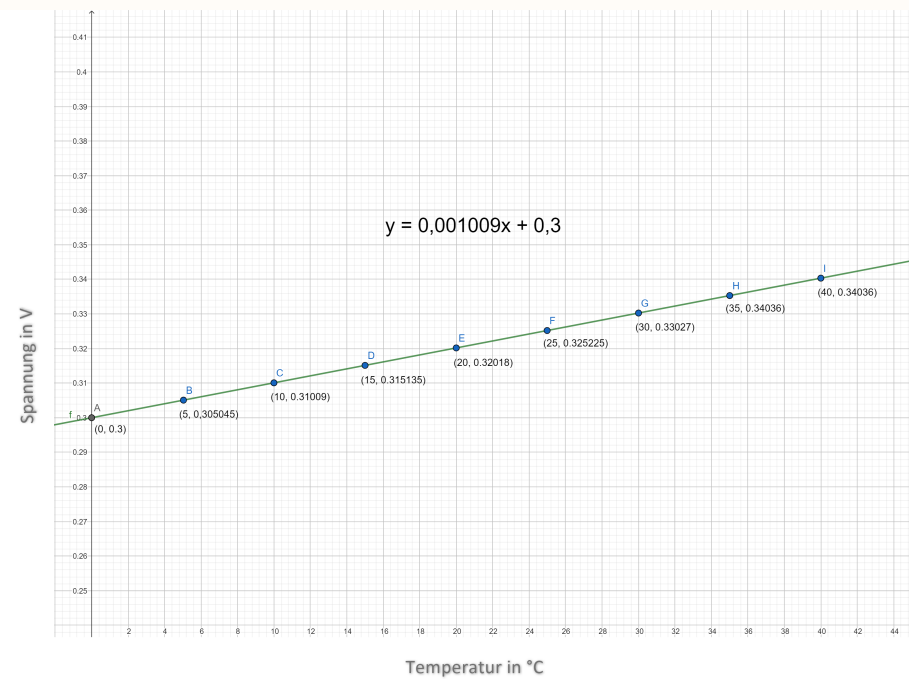
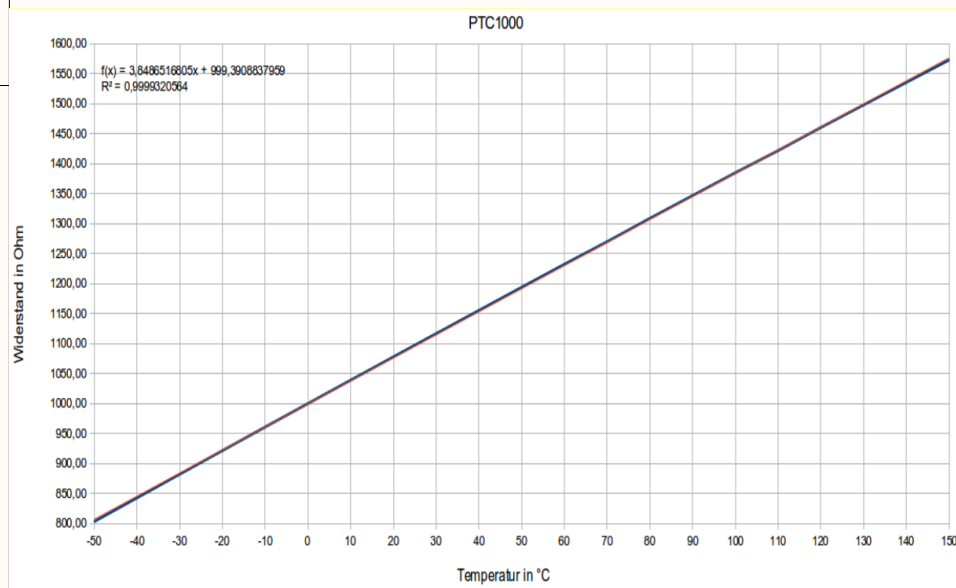
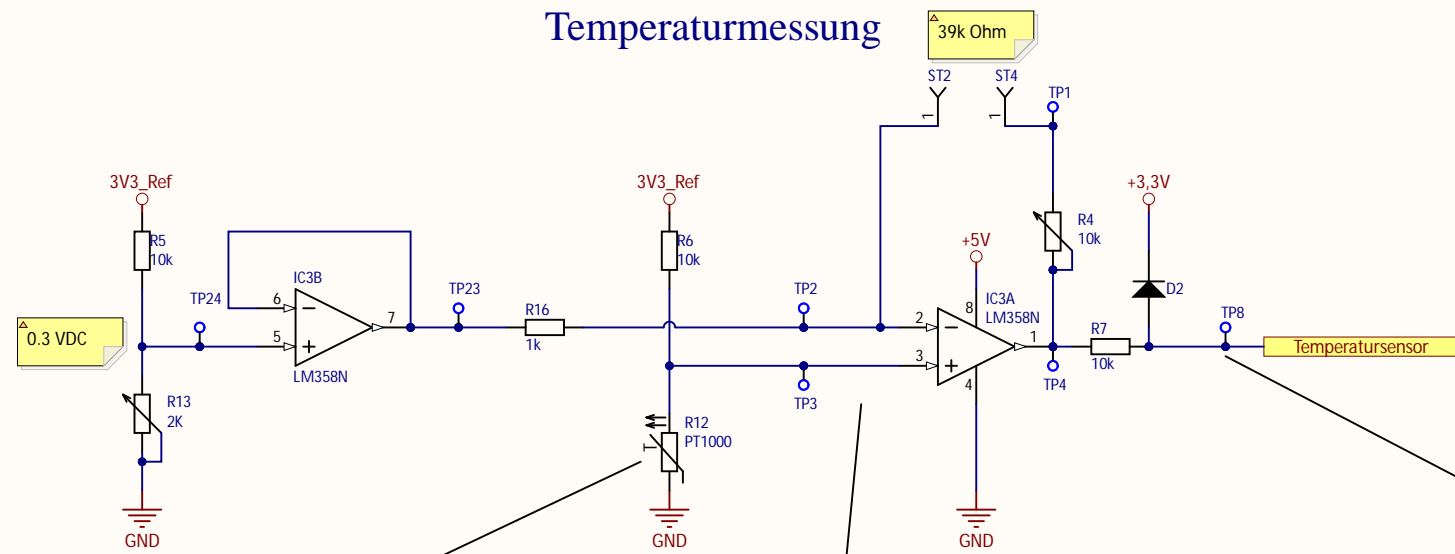
3V3 Referenzspannung



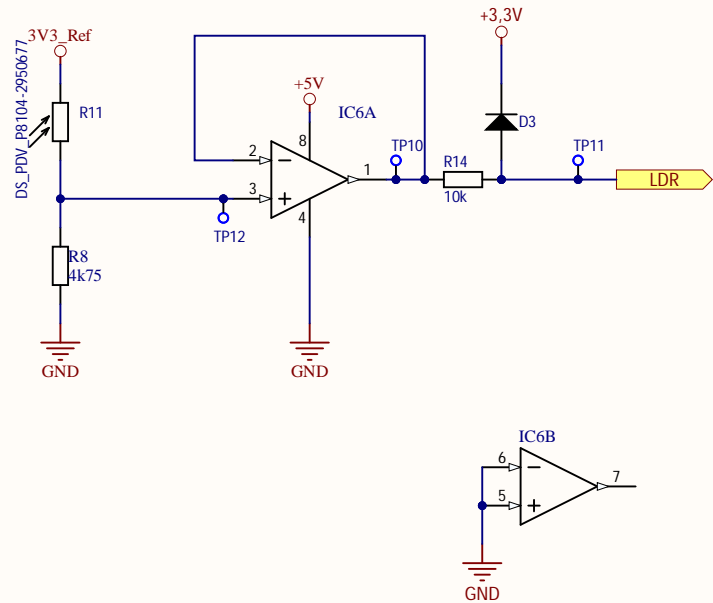
Ausgang z.B für Handy laden



Temperaturmessung

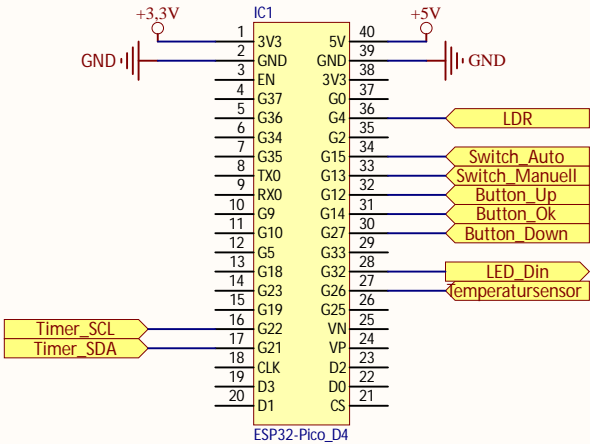


Lichtsensor



Typical Electro-Optical Specifications at T_A=23 °C

Parameter	Test Conditions	Symbol	Min	Typ	Max	Unit
Dark Resistance	After 10 sec. @10Lux @2856°K	R _D	2	-	-	MΩ
Illuminated Resistance	10 Lux @ 2856°K	R _{IL}	27	-	60	KΩ
Sensitivity	$\frac{\text{Log (R100) - Log (R10)**}}{\text{Log (E100) - Log (E10) ***}}$	S	-	0.8	-	Ω/Lux
Spectral Application Range	Flooded	λ	400	520	700	nm
Rise Time	10Lux @ 2856°K	T _R	-	60	-	ms
Fall Time	After 10Lux @ 2856°K	T _F	-	25	-	ms



Title <i>Schematics</i> <i>Word Clock</i>			intelligent electronics	FSM [®]
Number: <i>17862</i>	Version: <i>V2_1</i>	Sheet: <i>6</i> of <i>6</i>		
Variant: <i>A Default</i>		<i>FSM AG</i>		
Author: <i>M.Faller</i>	Date: <i>24.05.2024</i>	<i>Erich-Rieder-Straße 2</i>		
Approved: <i>not yet released</i>		<i>79199 Kirchzarten</i>		
Doc. Name: <i>µController.SchDoc</i>		Size: <i>A4</i>	<i>+49 7661 9855 0</i>	<i>www.fsm.ag</i>