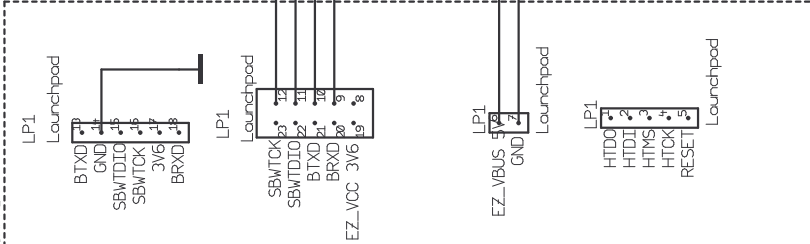


# Legende

▲	SMD 0603
■	SMD 0805
*	optional

Maßstab	101,39%	Firma	Zeichner	hb	Blatt	1
Änderung	08.03.12	14:31	Titel Controller			
Ausgabe	23.03.12	12:07				
Datei	ESE_µC-PRAK_TSSOP_V2.T3001		Projekt	SA1101231_EMP_ESE_µC-PRAK		

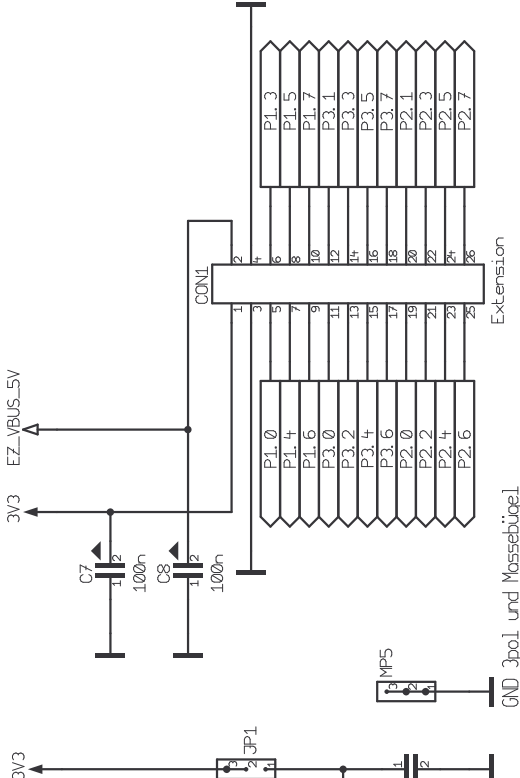
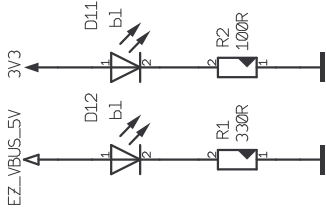
TEXAS INSTRUMENTS  
MSP430\_XXXX  
LAUNCHPAD



LED b1ou OVS-0803 6mA 2.9V C100mcd  
LED g1 OVS-0804 2mA 2.6V -sehr hell!!!! C300mcd  
LED r1 OVS-0808 2mA 1.8V -hell C300mcd  
LED ge OVS-0806 3mA 1.9V C400mcd

Legende

▲	SMD 0603
■	SMD 0805
*	optional

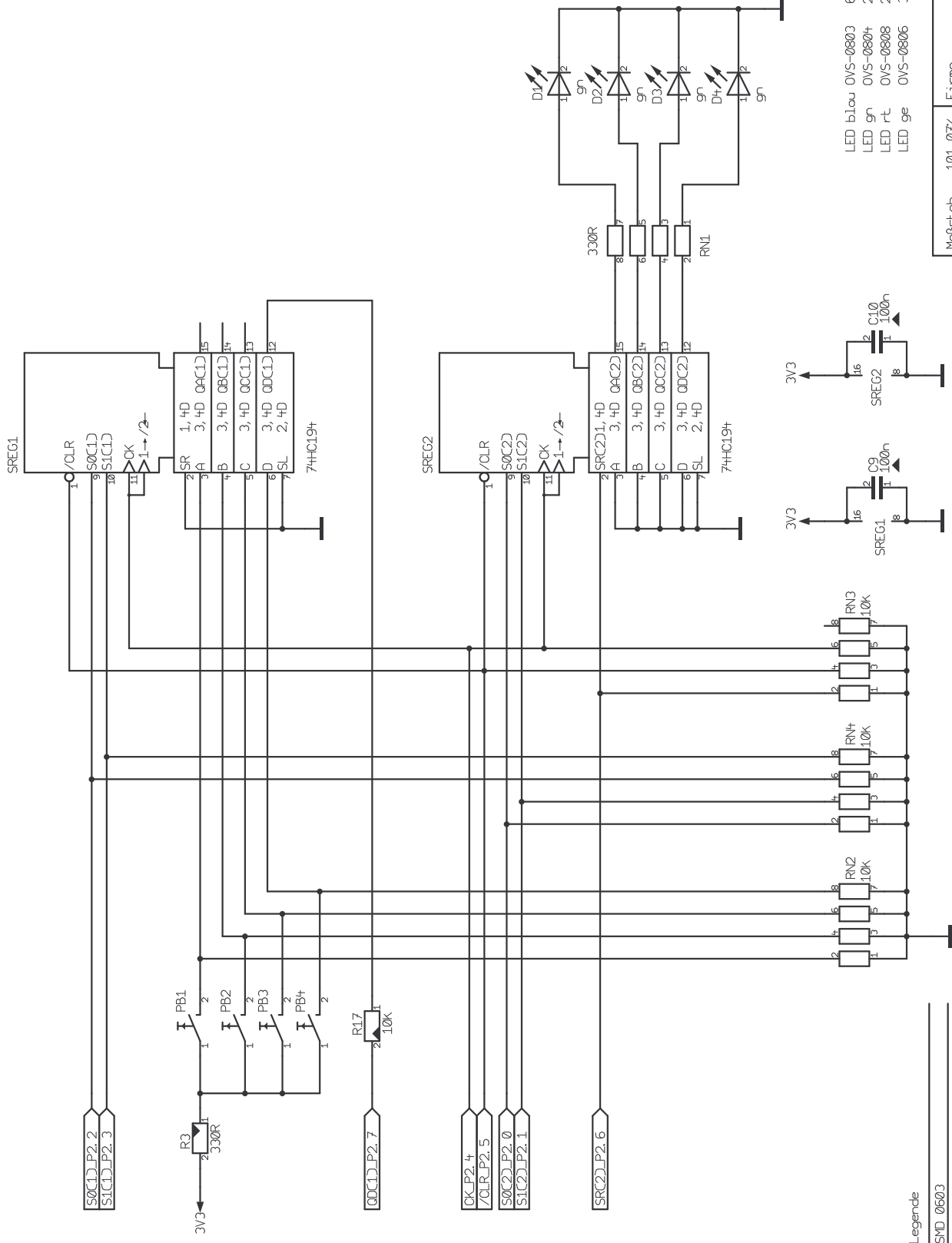


Launchpad

GND 3pol und Massebügel

Extension

Maßstab	101, 39%	Firma	Zeichner hb	Blatt 2
Änderung	08.03.12	14:31	Launchpad, Spannungsregler	
Ausgabe	23.03.12	12:07	Extension Connector	
Datei	ESE_µC-PRAK_TSSOP_V2_T3001	Projekt	SA1101231 EMP ESE_µC-PRAK	

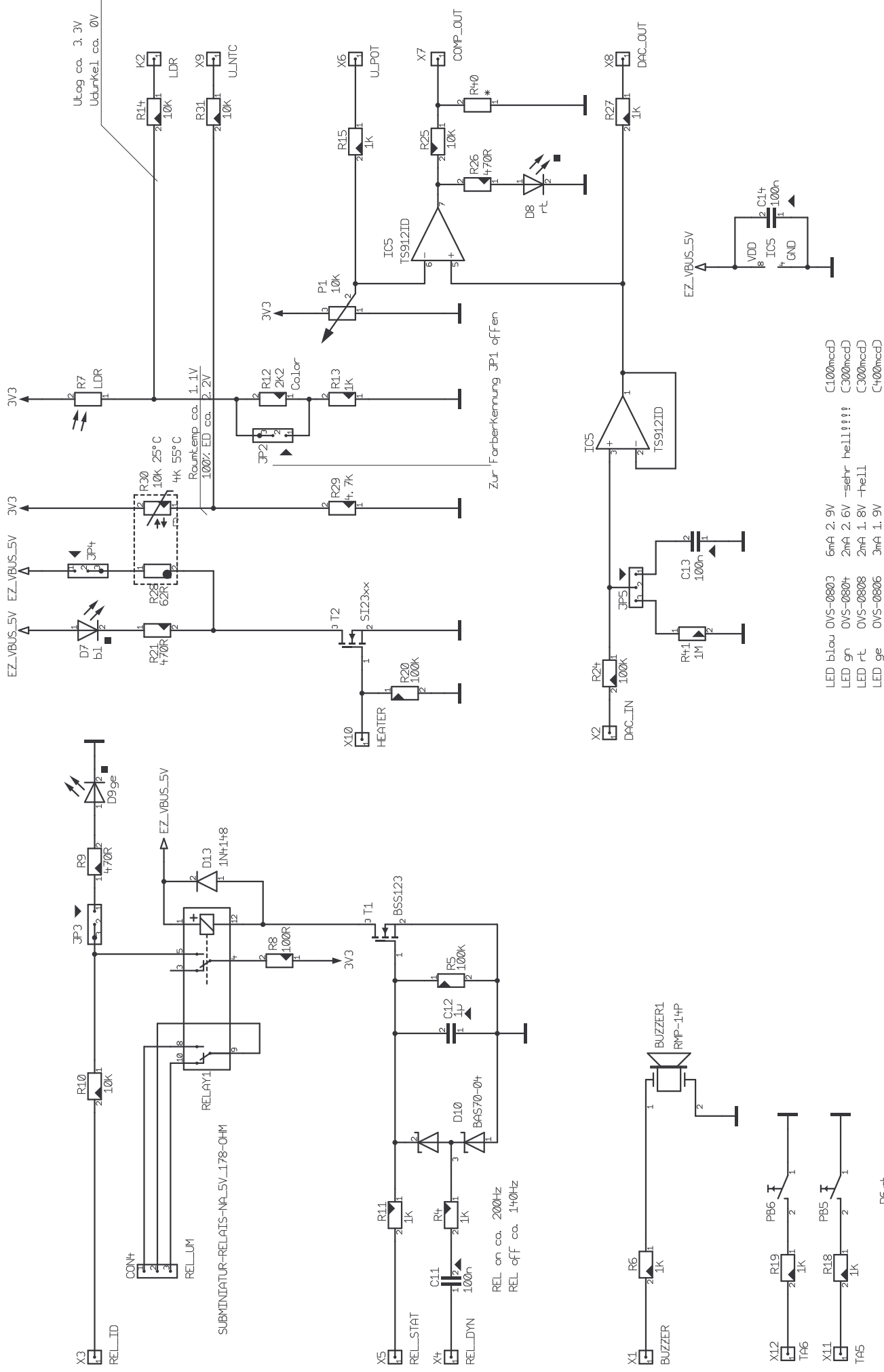


- LED blau OVS-0803 6mA 2.9V (100mcd)
- LED gr OVS-0804 2mA 2.6V -sehr hell!!!! (300mcd)
- LED rt OVS-0808 2mA 1.8V -hell (300mcd)
- LED ge OVS-0806 3mA 1.9V (400mcd)

Legende

▲	SMD 0603
■	SMD 0805
*	optional

Maßstab	101,07%	Firma	Zeichner	hb	Blatt	3
Änderung	08.03.12	14:31	Schieberegister			
Ausgabe	23.03.12	12:07				
Datensatz	ESE_μC-PRAK_TSSOP_V2.T3001	Projekt	SA1101231 EMP ESE_μC-PRAK			

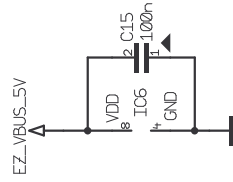
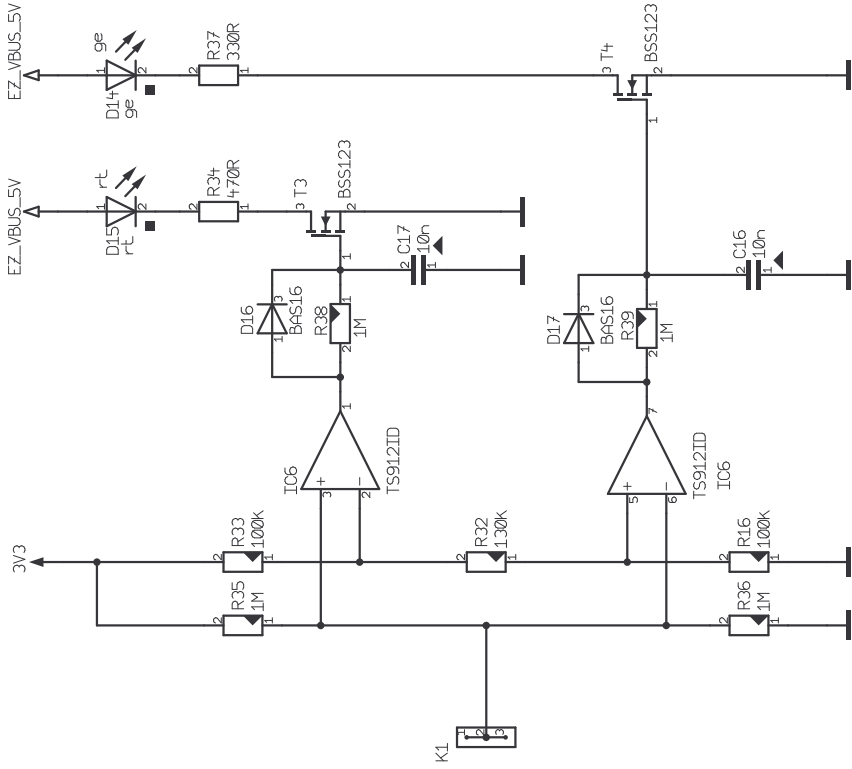


- LED blau OVS-0803 6mA 2.9V (C100mcd)
- LED gn OVS-0804 2mA 2.6V -sehr hell!!!! (C300mcd)
- LED rL OVS-0808 2mA 1.8V -hell (C300mcd)
- LED ge OVS-0806 3mA 1.9V (C400mcd)

Legende

▲	SMD 0603
■	SMD 0805
*	optional
●	SMD 1206

Maßstab	101, 39%	Firma	Zeichner	Hb	Blatt	4
Änderung	08.03.12	14: 31	Titel			
Ausgabe	23.03.12	12:07	Piezo, Relais, Taster, LED			
Dateti	ESE_LC-PRAX_TSSOP_V2.T3001	Projekt	S01101231_EMP_FSE_LC-PRAX			



LED blaw OVS-0803 6mA 2.9V (C100mcd)  
 LED gn OVS-0804 2mA 2.6V -sehr hell!!!! (C300mcd)  
 LED rt OVS-0808 2mA 1.8V -hell (C300mcd)  
 LED ge OVS-0806 3mA 1.9V (C400mcd)

#### Legende

▲	SMD 0603
■	SMD 0805
*	optional
●	SMD 1206

Maßstab	101,39%	Firma	Zeichner	Hb	Blatt	5
Änderung	08.03.12	14:31	Logikpegel-Tester			
Ausgabe	23.03.12	12:07				
Datei	ESE_µC-PRAK_TSSOP_V2.T3001	Projekt	SA1101231_EMP_FSE_µC-PRAK			