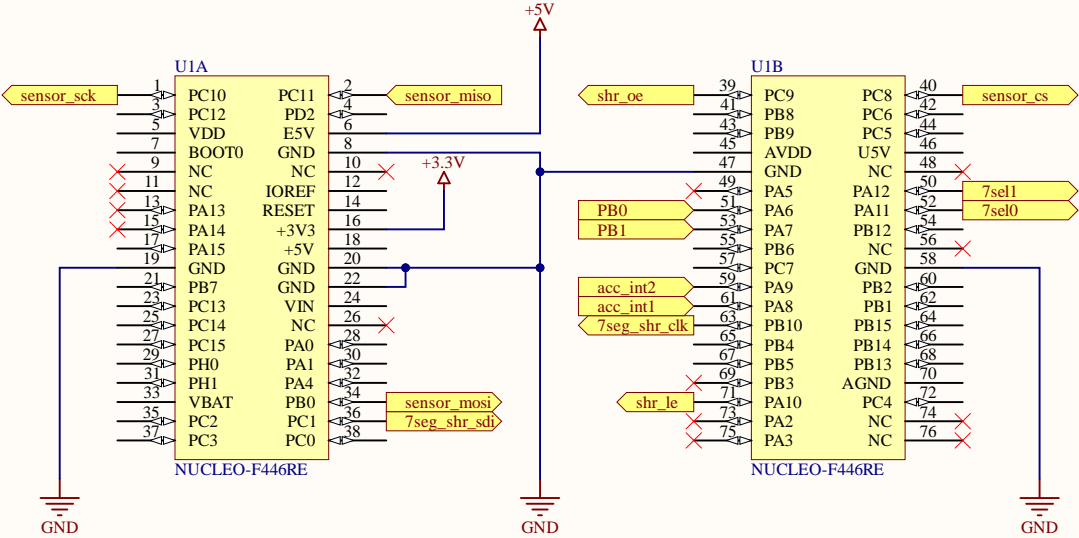

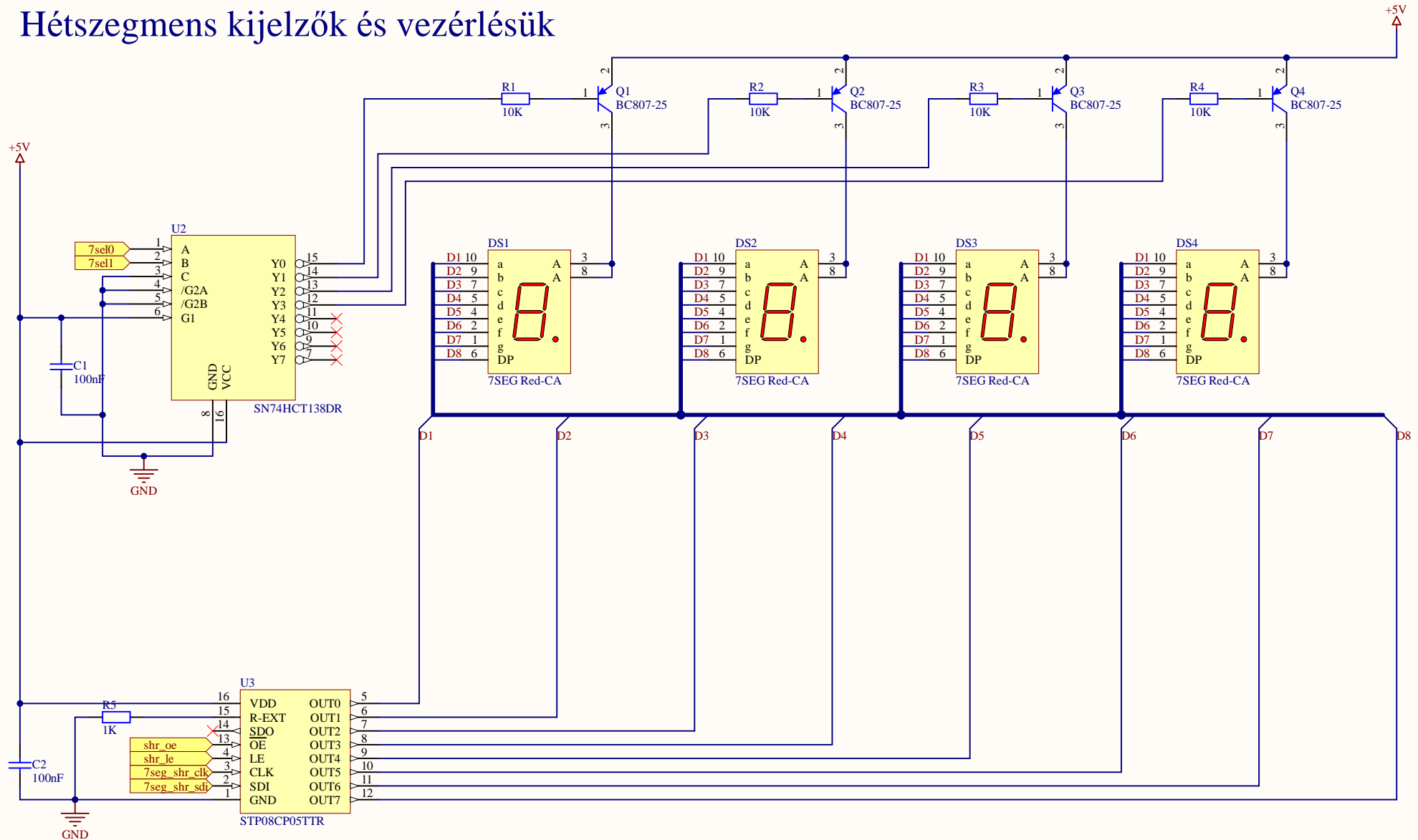


Nucleo



Title: Nucleo kártya			Debreczeni László BME-AUT	
Size: A4	Number: 1	Revision: A27		
Date: 2022.04.17.	Time: 18:59:10	Sheet 1 of 5		
File: E:\uclab_hfpcb\hallglib\hazi_kiindulas\Nucleo.SchDoc				

Hétszegmens kijelzők és vezérlésük

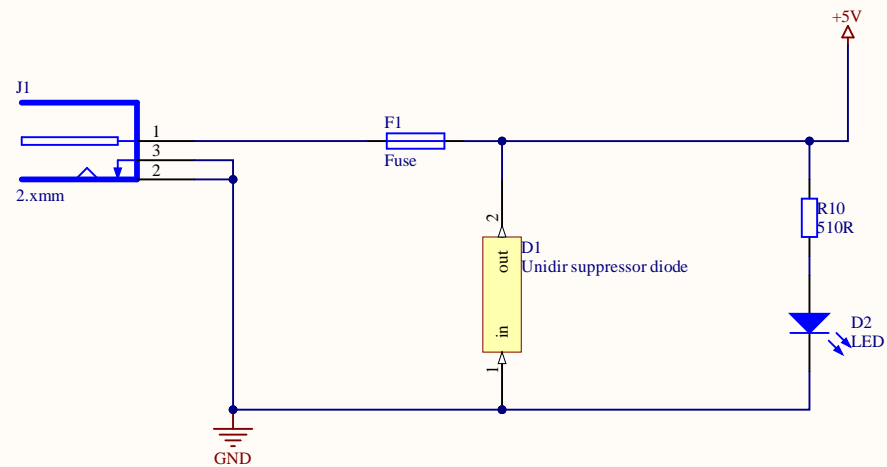



Title 7 szegmens kijelzők		
Size: A4	Number: 2	Revision: A27
Date: 2022.04.17.	Time: 18:59:11	Sheet 2 of 5
File: E:\uclab_hfpcb\hallglib\hazi_kiindulas\7segment.SchDoc		

Debreczeni László
BME-AUT

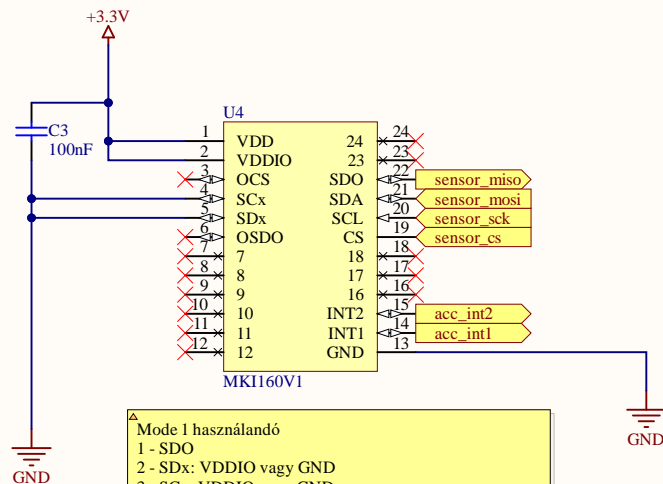


Tápvédelmi áramkör




Title <i>Tápellátás</i>			Debreczeni László BME-AUT	
Size: A4	Number:3	Revision:A27		
Date: 2022.04.17.	Time: 18:59:11	Sheet 3 of 5		
File: E:\uclab_hf\pcb\hallglib\hazi_kiindulas\Power.SchDoc				

Gyorsulásérzékelő modul

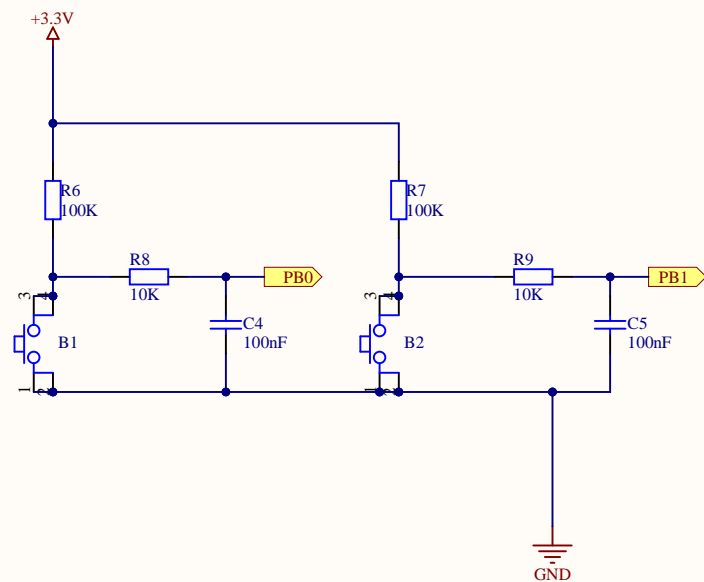



Mode 1 használandó

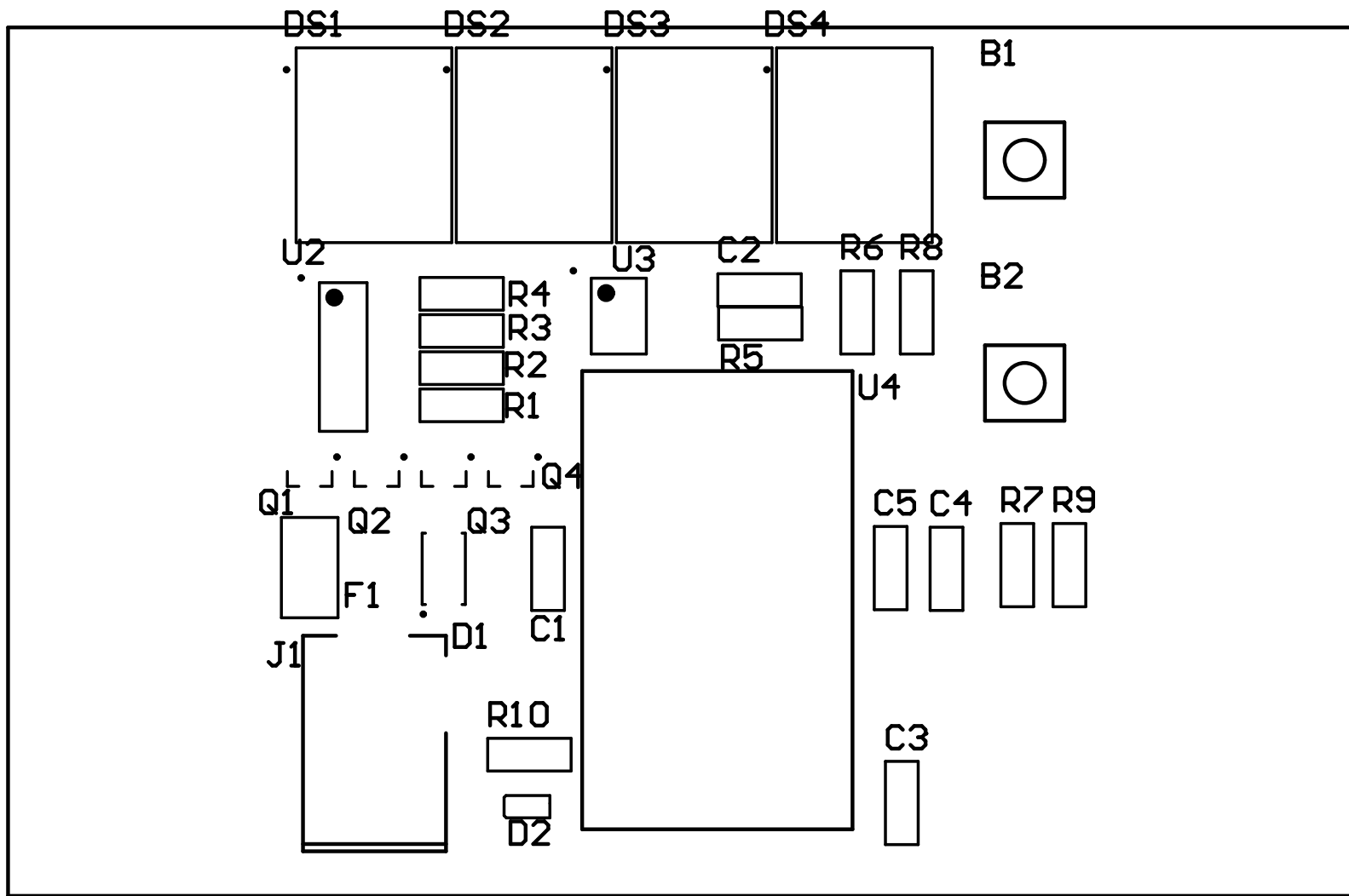
- 1 - SDO
- 2 - SDx: VDDIO vagy GND
- 3 - SCx: VDDIO vagy GND
- 4 - INT1 programozható interrupt
- 5 - VDDIO
- 6 - GND
- 7 - GND
- 8 - VDD
- 9 - INT2 programozható interrupt/data enable (DEN)
- 10 - OCS_Aux hagy bekötetlenül
- 11 - SDO_Aux kösd VDDIO-ra vagy hagy bekötetlenül
- 12 - CS 1=SPI Idle, 0=SPI communication mode
- 13 - SCL: SPI serial port clock
- 14 - SDA: SDI/3-wire interface SDO

Title <i>Gyorsulásérzékelő modul</i>			Debreczeni László BME-AUT	
Size: A4	Number:4	Revision: A27		
Date: 2022.04.17.	Time: 18:59:11	Sheet 4 of 5		
File: E:\uclab_hf\pcb\hallglib\hazi_kiindulas\Acceleration_module.SchDoc				

Nyomógombok



Title <i>Nyomógombok</i>			Debreczeni László BME-AUT	<i>BME</i> 
Size: A4	Number: 5	Revision: A27		
Date: 2022.04.17.	Time: 18:59:12	Sheet 5 of 5		
File: E:\uclab_hf\pcb\hallglib\hazi_kiindulas\Pushbuttons.SchDoc				



U1

CN7

CN10

Designator	Reference	Name	Quantity	Footprint	Supplier
B1, B2	45-05-43	4P Pushbutton	2	FP_BTN_SMD	Lomex
C1, C2, C3, C4, C5	82-14-64	100nF 1206 Capacitor	5	FP_1206_CAP_125	Lomex
D1	96-03-85	Suppressor diode	1	DIOM4426X23M	Lomex
D2	95-02-77	Green LED	1	FP_0805_LED_RE D	Lomex
DS1, DS2, DS3, DS4	35-03-94	FYS-3911BUHR-21	4	FP_7SEG	Lomex
F1	44-04-71	SMD Fuse	1	FP_MULTIFUSE	Lomex
J1	43-07-67	TÁP DC ANYA 5.5/2.1/9.5mm DCS-5521-5	1	FP_DC_TAP_ANYA	Lomex
Q1, Q2, Q3, Q4	86-05-63	BC807-25	4	SOT95P240X115- 3M	Lomex
R1, R2, R3, R4, R8, R9	81-11-59	10K 1206 Resistor	6	FP_1206_RES	Lomex
R5	81-11-47	1K 1206 Resistor	1	FP_1206_RES	Lomex
R6, R7	81-11-71	100K 1206 resistor	2	FP_1206_RES	Lomex
R10	81-12-04	1206 Resistor	1	FP_1206_RES	Lomex
U1	NUCLEO	Nucleo F446RE	1	FP_NUCLEO-64	Tanszék
U2	87-06-49	SN74HCT138DR	1	SOIC127P600X175- 16M	Lomex
U3		STP08CP05TTR	1	TSOP65P640X120- 16M	ST, Tanszéki forrás
U4	511-STEVAL- MKI160V1	MKI160V1 LSM6DS3 inertial module adapter	1	FP_DIL24	Mouser