

Main Board

Project: SmartBoard

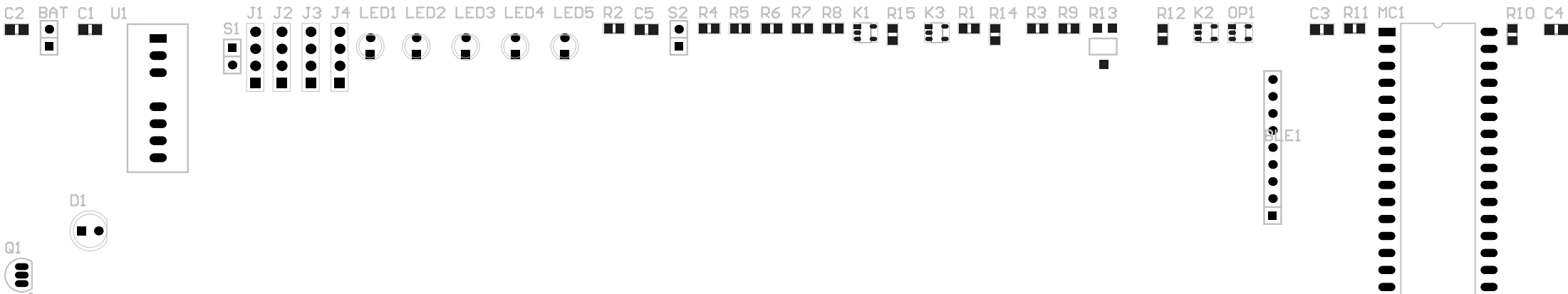
Size: A4 Rev.: v1

Drawn by: M. Schwegler

Sheet 1 of 1

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File: MainBoard.SchDoc



Comment	Description	Designator	Footprint	LibRef	Quantity
4 x AA		BAT	SIP2	BATTERY	1
Adafruit Bluefruit		BLE1	SIP9	Bluefruit	1
1u	Normaler Kondensator	C1	0805_C	C?	1
2.2u	Normaler Kondensator	C2	0805_C	C?	1
100n	Normaler Kondensator	C3, C5	0805_C	C?	2
33n	Normaler Kondensator	C4	0805_C	C?	1
SFH 213 FA	Photo_Diode_1A_2K	D1	LED_THT_5mm_RM_2.54 mm	Photo_Diode_1A_2K	1
Value		J1, J2, J3, J4	CON_THT_4P_RM2.54	CON_4P	4
MCP6561R		K1, K2	SOT23-5	OPAMP	2
SN74LVC1G14		K3	SOT23-5	schmitt	1
Value		LED1, LED2, LED3, LED4, LED5	LED_THT_3mm_RM_2.54 mm	LED	5
TinyK20		MC1	DIP32	TinyK20	1
MCP6001R		OP1	SOT23-5	OPAMP	1
ZVP2106	MOSFET-P 1G,2D,3S (Diode)	Q1	TO-92A	MOSFET-P 1G,2D,3S (Diode)	1
150k	Normaler Widerstand	R1	0805_R	R?	1
330k	Normaler Widerstand	R2, R11	0805_R	R?	2
3.3M	Normaler Widerstand	R3	0805_R	R?	1
1k	Normaler Widerstand	R4, R5, R6, R7, R8	0805_R	R?	5
10M	Normaler Widerstand	R9, R10	0805_R	R?	2
10k	Normaler Widerstand	R12	0805_R	R?	1
200k	Variabler Widerstand	R13	Poti	R? {RPAR}	1
4.7k	Normaler Widerstand	R14	0805_R	R?	1
220k	Normaler Widerstand	R15	0805_r	R?	1
SW SPST		S1	SIP2	SW SPST	1
S2		S2	SIP2	SW-PB	1
TMR 0510		U1	TMR0510	VOLTREG	1