



Main Board

Project: SmartBoard

Size: A4 Rev.: v1

Drawn by: M. Schwegler

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File: MainBoard.SchDoc

Comment	Description	Designator	Footprint	LibRef	Quantity
PHOTO				PHOTO	1
4 x AA		BAT		BATTERY	1
Adafruit Bluefruit		BLE1	SIP8	Bluefruit	1
1u	Normaler Kondensator	C1	0805	C?	1
2.2u	Normaler Kondensator	C2	0805	C?	1
100n	Normaler Kondensator	C3	0805	C?	1
33n	Normaler Kondensator	C4	0805	C?	1
MCP6561R		K1, K2	SOT23	OPAMP	2
LED1		LED1		LED	1
LED2		LED2		LED	1
LED		LED3, LED4, LED5		LED	3
TinyK20		MC1	DIP32	TinyK20	1
MCP6001R		OP1	SOT23	OPAMP	1
ZVP2106	MOSFET-P 1G,2D,3S (Diode)	Q1		MOSFET-P 1G,2D,3S (Diode)	1
150k	Normaler Widerstand	R1	0805	R?	1
330k	Normaler Widerstand	R2, R11	0805	R?	2
3.3M	Normaler Widerstand	R3	0805	R?	1
1k	Normaler Widerstand	R4, R5, R6, R7, R8	0805	R?	5
10M	Normaler Widerstand	R9, R10	0805	R?	2
10k	Normaler Widerstand	R12	0805	R?	1
200k	Variabler Widerstand	R13		R? {RPAR}	1
SW SPST		S1		SW SPST	1
TMR 0510		U1	SOT23_LP2985	VOLTREG	1