

Watch v1.2 - Bill of Materials

Part	Value	Package	Description	Qty	Distributor	Order Number
C1,C5,C6,C7,C8,C	100n	0805	CAP 100n, 0805	8	MOUSER	80-C0805C104K9R
C2,C3,C9	1u	0805	CAP 1u, 0805	3	MOUSER	603-CC0805KR5BB105
C4	4.7u	0805	CAP 4.7u, 0805	1	MOUSER	77-VJ0805G475KXYTBC
C10,C11	10p	0805	CAP, 10p, 0805	2	MOUSER	710-885012007010
D1	LED	0805	LED, any, 0805	1	MOUSER	604-APT2012SGC
L1	1k	0805	FERRITE, 1k, 0805	1	MOUSER	963-BK2125HS102-T
P1		FPC-10-0.5	10-pin, 0.5mm-pitch FPC connector	1	MOUSER	538-505110-1092
PB1,PB2,PB3		4.46x3.5x3.3	Tact switch	3	MOUSER	688-SKRTLA
R1,R2,R3,R4	10k	0805	R, 10k, 0805	4	MOUSER	588-AS08J1002ET
R6	510	0805	R, 510, 0805	1	MOUSER	71-CRCW0805510RJNEA
SB1,SB2,SB3	0	0805	R, 0, 0805	3	MOUSER	667-ERJ-6GEY0R00V
U1	STM32L051K8T6	LQFP-32	STM32L0 MCU	1	MOUSER	511-STM32L051K8T6
U2			Keystone 3003	1	MOUSER	534-3003
X1	32.768kHz	3.2x1.5	3.2x1.5 32.768kHz 10ppm 7pF	1	MOUSER	815-S07AIG-32.76871T
	LS013B7DH03		1.28" Sharp Memory LCD	1	MOUSER	852-LS013B7DH03

MISC PARTS

QTY	PART
3	M3x12 countersunk screws
2	M3x8 countersunk screws
4	M2x12 pan head screws
1	20mm watch strap
	3D printed parts

DETAILED ASSEMBLY INSTRUCTIONS

[https://github.com/ramonimbao/stm32_watch/
blob/master/BUILDING.md](https://github.com/ramonimbao/stm32_watch/blob/master/BUILDING.md)