

Movement 5037 - REV.A

Reference	Qty	Value
BT1	1	CR3032 Holder
C1, C2	2	22p (0805)
C3, C4, C5, C6, C7	5	100nF (0805)
C8	1	10uF (1206)
D1, D2, D3	3	1N5817 (2010)
J1	1	Pin 1x5 Vertical Female
J4, J6	1	Pin 1x6 Vertical Female
R1, R2, R3	3	10K (0805)
U2	1	DS1307 (SOIC-8)
U3	1	ATmega328PB-QFP
Y1	1	16MHz (TH)
Y2	1	32.768KHz (TH)

100nF

C3

10uF

C8

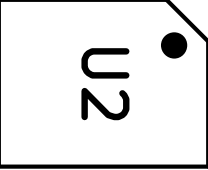
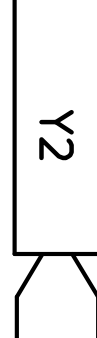
R2 10K

R3

10K

Pin 1x6 – Pins sticking up this way

32.768KHz



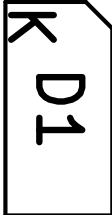
1N5817



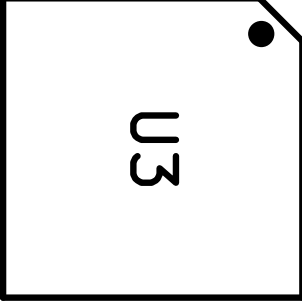
DS1307

C7

1N5817



100nF



100nF

C4

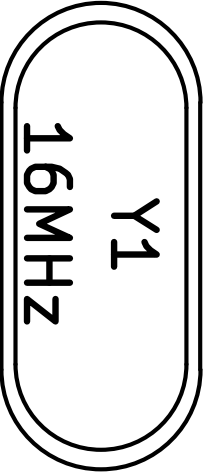
100nF

C5

100nF

C6

ATmega328



R1

10K

C1

22p

C2

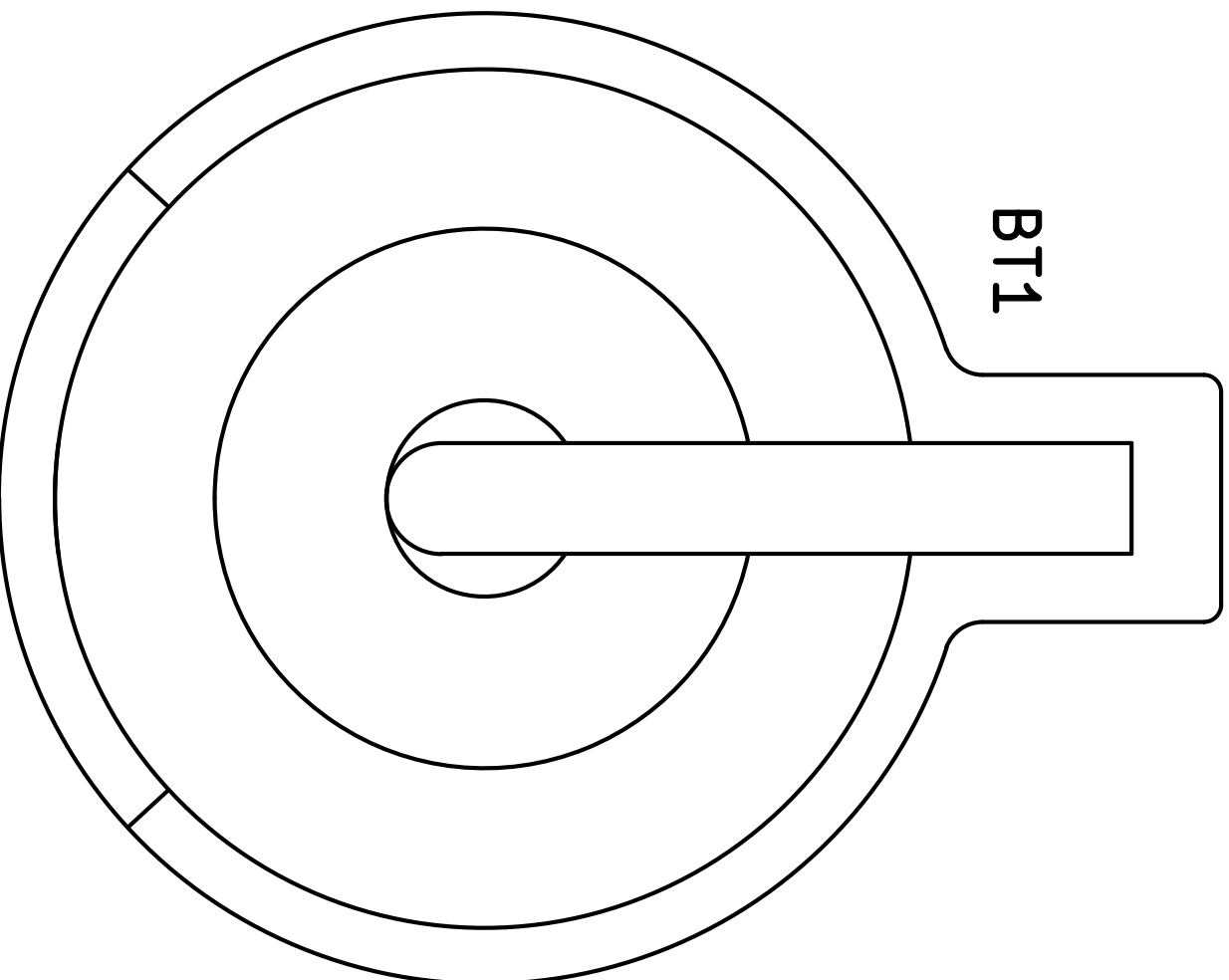
22p



1N5817

TokeiDigital
Movement 5037 REV.A

Pin 1x5 – Pins sticking up this way



BT1



Not Needed

Not Needed

TokeiDigital
Movement 5037 REV.A

CR3032 Holder

GND +5

Battery Holder is the only component on this side