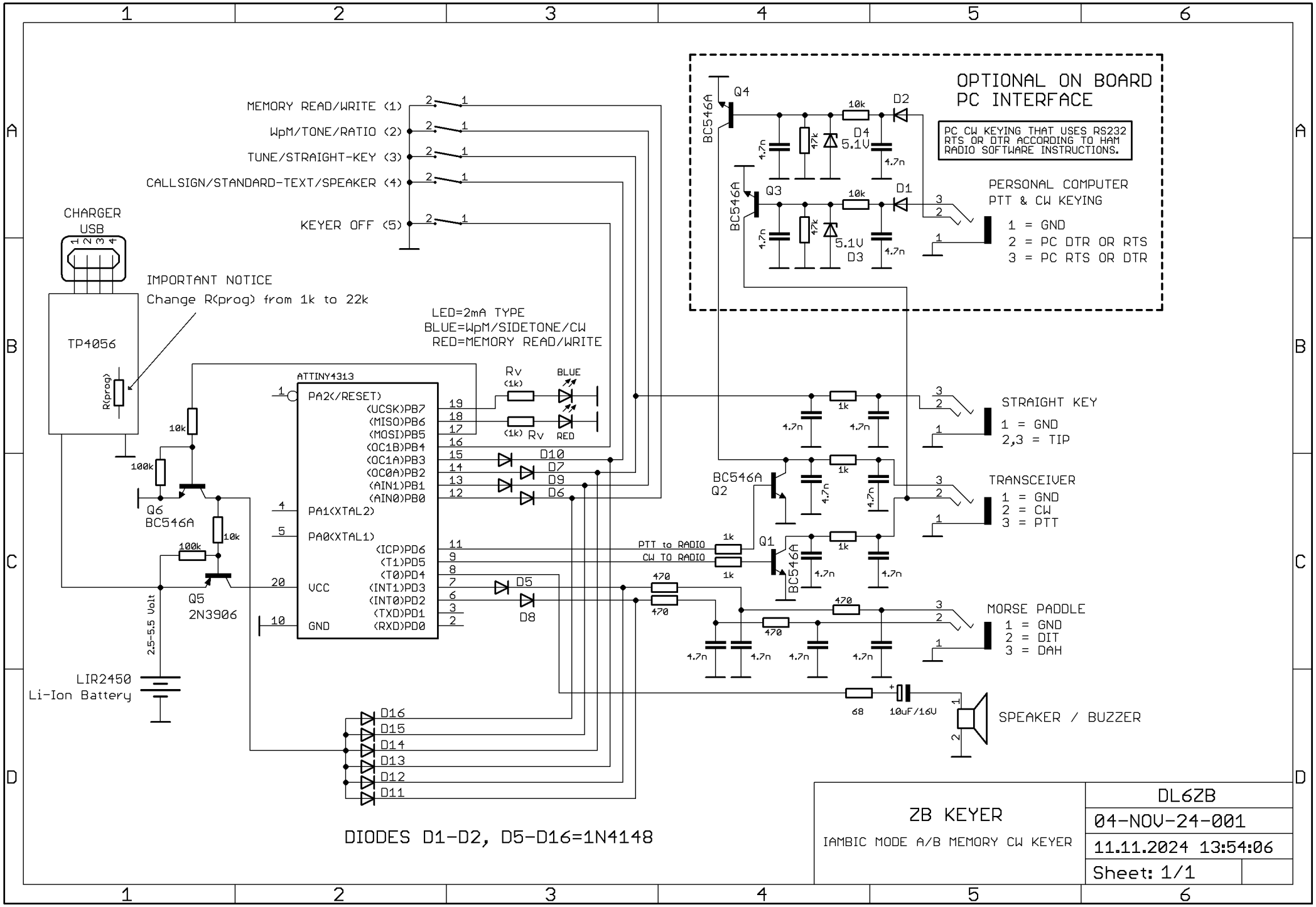
MEMORY READ/WRITE (1)
WpM/TONE/RATIO (2)
TUNE/STRAIGHT-KEY (3)
CALLSIGN/STANDARD-TEXT/SPEAKER (4)
KEYER OFF (5)
CHARGER USB
TP4056
R(prog)
IMPORTANT NOTICE
Change R(prog) from 1k to 22k
LED=2mA TYPE
BLUE=WpM/SIDETONE/CW
RED=MEMORY READ/WRITE
ATTINY4313
PA2(/RESET)
(UCSK)PB7
(MISO)PB6
(MOSI)PB5
(OC1B)PB4
(OC1A)PB3
(OC0A)PB2
(AIN1)PB1
(AIN0)PB0
PA1(XTAL2)
PA0(XTAL1)
(ICP)PD6
(T1)PD5
(T0)PD4
(INT1)PD3
(INT0)PD2
(TXD)PD1
(RXD)PD0
VCC
GND
Rv (1k)
BLUE
RED
D10
D7
D9
D6
D5
D8
D16
D15
D14
D13
D12
D11
Q6 BC546A
Q5 2N3906
2.5-5.5 Volt
LIR2450 Li-Ion Battery
OPTIONAL ON BOARD PC INTERFACE
PC CW KEYING THAT USES RS232 RTS OR DTR ACCORDING TO HAM RADIO SOFTWARE INSTRUCTIONS.
Q4 BC546A
Q3 BC546A
D4 5.1V
D3 5.1V
D2
D1
PERSONAL COMPUTER PTT & CW KEYING
1 = GND
2 = PC DTR OR RTS
3 = PC RTS OR DTR
STRAIGHT KEY
1 = GND
2,3 = TIP
Q2 BC546A
TRANSCEIVER
1 = GND
2 = CW
3 = PTT
PTT to RADIO
CW TO RADIO
Q1 BC546A
MORSE PADDLE
1 = GND
2 = DIT
3 = DAH
68
10uF/16V
SPEAKER / BUZZER
DIODES D1-D2, D5-D16=1N4148
ZB KEYER
IAMBIC MODE A/B MEMORY CW KEYER
DL6ZB
04-NOV-24-001
11.11.2024 13:54:06
Sheet: 1/1