

BOM			
HB186-2-T PCBA	model : Nodic , 140.00×29.90mm , T=1.0mm , BOM	Number	PCB Position
IC	SMD IC , QFN48 , NRF52832 , Nordic , BT5.0	1	U1
IC	SMD IC , ME6206A33M , 3.3V , SOT-23 , ME	1	U2
IC	SMD IC , TEA4054 , SOT-23-5 , ME	1	U3
IC	SMD IC , SOP-16 , 74HC595	1	U4
IC	SMD IC , QFP48 , SN32F268F , MCU	1	U5
IC	SMD IC , P1405 , DFN2x2-6L	1	U6
CAP	CHIP CAP CC , 10uF , 25V , 20% , 0603 ,	5	C1,C4, C22,C25 C26
CAP	CHIP CAP CC , 4.7uF , 10V , 10% , 0603 , SAMSUNG	2	C14,C23
CAP	CHIP CAP CC , 0.1uF , 16V , 10% , 0603 , SAMSUNG	1	C9
CAP	CHIP CAP CC , 0.1uF , 16V , 10% , 0402 , SAMSUNG	9	C5 C19 C16 C18 C21 C11 C20 C27 C29
CAP	CHIP CAP CC , 0.8pF , 50V , 0.1±pF , 0402 , MURUTA	1	C17
CAP	CHIP CAP CC , 100PF , 10V , 10% , 0402 , SAMSUNG	1	C12
CAP	CHIP CAP CC , 22pF , 16V , 5% , 0402 , SAMSUNG	2	C30 C31
CAP	CHIP CAP CC , 1uF , 10V , 10% , 0402 , SAMSUNG	1	C10
CAP	CHIP CAP CC , 15pF , 16V , 5% , 0402 , SAMSUNG	2	C2 C7
RESISTOR	CHIP RESISTOR , 0 OHM , 1/10W , 10% , 0603 , SAMSUNG	1	R30
RESISTOR	CHIP RESISTOR , 0R OHM , 1/16W , 5% , 0402 , SAMSUNG	3	C15 R4,R6,

RESISTOR	CHIP RESISTOR , 22R OHM , 1/16W , 5% , 0402 , SAMSUNG	2	R41,R42
RESISTOR	CHIP RESISTOR , 470R OHM , 1/10W , 5% , 0603 , SAMSUNG	3	R6,R7,R8,R15
RESISTOR	CHIP RESISTOR , 1K OHM , 1/16W , 1% , 0402 , SAMSUNG	26	R10 R11 R12 R13 R14 R16 R17 R18 R20 R21 R23 R24 R25 R26 R27 R28 R29 R34 R37 R39 R40 R43 R44 R45 R46 R47
RESISTOR	CHIP RESISTOR , 470K OHM , 1/16W , 1% , 0402 , SAMSUNG	1	R36
RESISTOR	CHIP RESISTOR , 1M OHM , 1/16W , 1% , 0402 , SAMSUNG	1	R38
RESISTOR	CHIP RESISTOR , 5.1K OHM , 1/16W , 1% , 0402 , SAMSUNG	3	R31 R12 R33
RESISTOR	CHIP RESISTOR , 10K OHM , 1/16W , 5% , 0402 , SAMSUNG	1	R51
RESISTOR	CHIP RESISTOR , 100K OHM , 1/16W , 5% , 0402 , SAMSUNG	1	R55
	CHIP RESISTOR , 220K OHM , 1/16W , 5% , 0402 , SAMSUNG	2	R1,R5
Inductor	CHIP Inductor , 3.9nH , 300mA , ±0.3nH , 0402 , MURUTA LQG15HS3N9S02D	1	L1
DIODE	SMD DIODE , 1N5819 , SOD-523	8	D1,D2,D3,D4,D6,D7,D8,D9
DIODE	SMD DIODE , 1N5819 , 0805	1	ZD1
MOS	SMD MOS , AO2302 , SOT-23 , N-MOS , ME	1	Q1
crystals	SMD X'TAL , 32MHz , 3225 , Total Tol: ±40ppm , 8pF	1	Y1
LED	SMD LED , 1206 , 20mA , green	2	LED3 , LED4

LED	SMD LED , 1206 , 20mA , blue	1	LED2
LED	SMD LED , 1206 , 20mA , red	1	LED1
SWTICH	SMD SWITCH , 7PIN , H:1.5MM	1	SW1
USB	MIRCO , USB , Connect , 16PIN , DOWN:1.6MM , L=6.5MM , TYPE-C VER	1	USB1
FPC	SMD FPC Connect , 26PIN , 1.0mm , H=2.5,DOWN	1	CON1
FPC	SMD WAFER , 4PIN , 1.0mm , H=1.5 , DOWN	1	CON2