

TTGO_VFO_V2_VK3PE_BOM		27TH OCT 2019		
1206-0805 means any smd 1206 or 0805, 0805 preferred. (Metric "2012")				
1812 is the smd size for inductors and some caps.. (Metric "4532")				
Part Type	Designator	Footprint	Description	Notes
0R	R39	1206-0805		
0R	R22	1206-0805		
0R	R40	1206-0805		
1.3uH	L1	1812	Inductor OR wind on toroid	
10 PIN HEADER	J2	SIP10		
100nF all x7r types	C3	1206-0805		
100nF	C12	1206-0805		
100nF	C19	1206-0805		
100nF	C18	1206-0805		
100nF	C5	1206-0805		
100nF	C6	1206-0805		
100nF	C13	1206-0805		
100nF if Pot	C17	1206-0805	NOT used	
100R	R44	1206-0805		
100R	R45	1206-0805		
100R	R3	1206-0805		
100R	R4	1206-0805		
100R ?	R10	AXIAL0.5	RES FIXED	
100R?	R20	AXIAL0.4		
1087pF	C7	1206-0805	used 1nF COG/NPO part	
1087pF	C8	1206-0805	used 1nF COG/NPO part	
10k	R32	1206-0805		
10k	R33	1206-0805		
10k	R34	1206-0805		
10K	R28	1206-0805		
10K	R29	1206-0805		

10K	R30	1206-0805		
10K	R18	1206-0805		
10K	R17	1206-0805		
10k	R43	1206-0805		
10K	R19	1206-0805		
10K	R38	1206-0805		
10K	R36	1206-0805		
10K	R16	1206-0805		
10K	R15	1206-0805		
10k	R31	1206-0805		
10k	R24	1206-0805		
10K	R25	1206-0805		
10k	R1	1206-0805		
10k	R9	1206-0805		
10K	R26	1206-0805		
10k	R27	1206-0805		
10uF/16v	C1	1812	polarized cap	
1528pF	C10	1206-0805	used 1.5nF COG/NPO part	
180pF	C11	1206-0805	COG/NPO	
18K	R41	1206-0805		
18K	R46	1206-0805		
18K	R42	1206-0805		
1k	R21	1206-0805		
1k	R6	1206-0805		
1k	R5	1206-0805		
1k2	R14	1206-0805		
1k2	R11	1206-0805		
1N400x	D1	DIODE0.5	1N4001, 4007 etc	
1uH	L2	1812	Inductor OR wind on toroid	
2 HEADER	J1	SIP2	pin headers 0.1" pitch	
220uF/35V	C9	FT_G	polarized smd cap approx 8.5mm square	
22uF/ 16 v	C2	1812	polarized cap	
22uF/16V	C4	1812	polarized cap	
2K2	R8	1206-0805		
3v3 zener	D3	DIODE0.4	NOT used	

3v3 zener	D4	DIODE0.4	NOT used	
3v3 zener	D2	DIODE0.4	NOT used	
470nF	C21	POLY	NOT used	
47R	R7	1206-0805		
4N28 (OPTO COUPLER)	U4	DIP6		
75R	R2	1206-0805		
78M05	U3	DPAK-3	Regulator IC	
CAP111	C16	1206-0805	NOT used	
CAP111	C15	1206-0805	NOT used	
CAP111	C14	1206-0805	NOT used	
ESP32_WEMOS (TTGO)	U2A	esp32_wemos	ESP32 board see Manuals by WA2FZW	
HEADER 0.1" X 4	JP1A	SIP4	pin headers 0.1" pitch	
HEADER 0.1" X8	JP1	SIP8	pin headers 0.1" pitch	
HEADER 2	J4	SIP2	pin headers 0.1" pitch	
HEADER 6	JP2	SIP6	pin headers 0.1" pitch	
HEADER 7	J3	ADAFRUIT_SI5351	Si5351 module	
HEADER STRIP 12 WAY	JP3	SIP12	pin headers 0.1" pitch	
not fitted	R23	1206-0805		
Not fitted for 3V3, 4k7 for 5v	R12	1206-0805		
Not fitted for 3v3, 4k7 for 5v	R13	1206-0805		
PCF8574DW	U5	SOIC-16	IC	
TFT_1.8	TFT1	TFT_1.8	ST7735 or ILI9341 controllers TFT display	see WA2FZW
female header socket strips, to suit HEADER lengths on the PCB to make cables with, and mate with ESP32				
wire				
hardware, nuts bolt, standoffs etc				
Encoder with switch (QTY = 2)				
home made sub chassis to fit into FT-7 (or other rigs)				
etc				