

BILL OF MATERIAL FOR VK3PE's "RADUINO" BOARD.					
Jan 8th 2019					
Part Type	Designator	Footprint	Description	Notes	Source
0R	R1	1206-0805	resistor smd	1206 or 0805 parts, 0805 preferred	
0R	R2	1206-0805	resistor smd		
100nF X7R	C24	1206-0805	Capacitor		
100nF X7R	CLCD1	1206-0805	Capacitor		
100nF X7R	C5	1206-0805	Capacitor		
100nF X7R	C6	1206-0805	Capacitor		
100nF X7R	C4	1206-0805	Capacitor		
100nF X7R	C19	1206-0805	Capacitor		
100nF X7R	Cx	1206-0805	Capacitor		
100nF X7R	C2	1206-0805	Capacitor		
10K	R5	1206-0805	resistor smd		
10K	R6	1206-0805	resistor smd		
10uF/10V	C25	CCASE	polarized cap	"CCASE" or 1812 package value non critical higher value ok	
10uF/16V	C20C	1812	polarized cap	"CCASE" or 1812 package value non critical higher value ok	
10uF/16V	C20D	1812	polarized cap	"CCASE" or 1812 package value non critical higher value ok	
10uF/16V	C20B	1812	polarized cap	"CCASE" or 1812 package value non critical higher value ok	
1k	R3	1206-0805	resistor smd		
220uF/35V	C9	FT_G	polarized cap	smd electro cap	
22uF	C1	1812	polarized cap	"CCASE" or 1812 package	
2T on bead see notes	L22	1206	inductor	eg BLM21PG331	
39 - 47OHM / 2w	R100	AXIAL0.8	RES FIXED	33R axial was used in proto	
47R	R9	1206-0805	resistor smd		
47R	R7	1206-0805	resistor smd		
47R	R8	1206-0805	resistor smd		
78M05 (SMD)	U5A	DPAK-3	Volt reg.	DPAK footprint eg MC7805CDTX or L7805CDT-TR etc	
78M05 (SMD)	U5	DPAK-3	Volt reg.	DPAK footprint eg MC7805CDTX or L7805CDT-TR etc	
Arduino "NANO"	NANO1	DIP30	headers female	standard NANO board and 2x15 way sockets/headers	
HEADER 16	P3	SIP16	headers, male	headers, cut off 40pin strip as required	
HEADER 2	J1	sip2_locking	right angle best	headers, cut off 40pin strip as required	
HEADER 4	OLED1	SIP 4	header female	header, female cut off 40pin strip as required	
HEADER 4	J3	SIP4	headers, male	headers, cut off 40pin strip as required	
HEADER 7	J2	SIP 7	headers, female	header, female cut off 40pin strip as required	
HEADER 8	P1	SIP 8	headers, male	headers, cut off 40pin strip as required	
also required	mounting hardware for PCB				