







Comment	Description	Designator	Footprint	LibRef	Quantity
Capacitor	Ceramic Capacitor, 10uF, 0603,10V	C1	CAPC0603	Capacitor	1
	CAP CER 22uF 10V	C2, C3, C4, C6, C7, C8,	CAPC0603	Сар	10
	X7R 0603 Ceramic Capacitor,	C21, C22, C24, C25			
	22pF, 0402,50V,				
	Ceramic Capacitor, 0.1uF, 0402,10V,	C5, C9, C10, C11, C12,			
	Ceramic Capacitor,	C13, C14, C15, C16,			
	10nF, 0402,10V,	C17, C18, C19, C20,	CAPC0402	Capacitor	14
	Ceramic Capacitor,	C23			
	4.7uF, 0402,10V, Ceramic Capacitor,				
	15pF, 0402,50V				
DIODE_B5819WS	Schottky Barrier£-B5819WS	D1, D2	SOD-323	DIODE_B5819WS	2
	SOD-323			_	
	GREEN LED, 0603, RED LED 0603	D3, D4	led_0603	LED1	2
TYPE-C	LED 0003	J1	TYPE-C	TYPE-C	1
Header 15X2 2.54mm	Connector Header	J2, J3	Header_15X2_2.54	Header 15X2 2.54mm	2
	position		HEADER_5X3_2.54 -		
header 5X3	HEADER 5X3 2.54MM	J4	duplicate	header 5X3	1
	2.2uH, 48mOhm, 4.35A, 6.12A, ±20%,				
IND_1	SMD,4x4x2mm,	11 12	IND 4 0V4 0V2 0	IND 1	2
	Power Inductor	L1, L2	IND_4.0X4.0X2.0	IND_1	2
	(MWPY4020L-2R2M- T) (C2934996)				
	N-Channel 20V 3A				
	1.25W (Ta) Surface	Q1	SOT23-3	MOSFET Si2302CDS	1
	Mount SOT-23 Thick Film Resistor -	04.00	DE000/00		
Resistor	4.7Kohm, 1%, 0603	R1, R2	RESC0603	Resistor	2
	Thick Film Resistor - 9Kohm, 1%, 0402,				
	Thick Film Resistor -				
	2Kohm, 1%, 0402,				
	Thick Film Resistor - 1.2kohm, 1%, 0402,	R3, R4, R5, R6, R7, R8, R9, R10, R12, R13,			
Res1	Thick Film Resistor -	R14, R17, R18, R19,	resc0402	Res1	25
	1Kohm, 1%, 0402,	R20, R21, R22, R23,	Tesc0402	Resi	25
	Thick Film Resistor - 0ohm, 1%, 0402,	R24, R25, R26, R27, R28, R29, R30			
	Thick Film Resistor -	,			
	10Kohm, 1%, 0402,				
	Thick Film Resistor - 12Kohm, 1%, 0402				
Res1	Thick Film Resistor -	R11	CAPC0402	Res1	1
	39Kohm, 1%, 0402 Thick Film Resistor -				
	240ohm, 1%, 0402,	D1E D1/	DECC0402	Dee	
	Thick Film Resistor -	R15, R16	RESC0402	Res	2
T4F81	1Kohm, 1%, 0402	U1	T4F81 fpga	T4F81	1
·	Buck Switching				<u> </u>
AP3429	Regulator IC Positive Adjustable 0.6V 1	U2, U3	SOT23-5	AP3429	2
MI 3427	Output 2A SOT-23-5	UZ, U3	30123-3	NF3427	
	Thin, TSOT-23-5				
	FT232HL, 1.62V~1.98V,				
FTDI	2.97V-3.63V, 24mA,	U4	LQFP-48	FT232HL	
FIDI	48Pin, 48-LQFP, USB	04	LQFP-48	F1232HL	'
	Bridge, USB to UART, FIFO, Controller				
	MICROCHIP -			1	
93LC56BT-I/OT	93LC56BT-I/OT 2K,	ur	COTOO /	031.057.07	
	128 X 16, SERIAL EE, IND ROHS	U5	SOT23-6	93LC56BT-I/OT	1
	COMPLIANT: YES				
XC2426TR-ND	CRYSTAL 12.0000MHZ	X1	Crystal_3225	CRYSTAL_1_1	1
	10PF SMD 1.8V~3.3V -		 	+	
	40°C~+85°C ±10ppm				
Oscillator	50MHz SMD3225-4P	X2	Crystal_3225	Oscillator	1
OT322550MJBA4SL	Oscillators ROHS (OT322550MJBA4SL)		[*	OT322550MJBA4SL	
	(C717684)				1