Remote RS485 Interface				
ld Designator	Footprint	Quantity Designation	Description	Purchase Link Data Sheet
1 U3, U4	SOP 8	2 SN65176BDR	RS485 Transceivers	https://www.dioik.https://mm.dioik.ey.com/volume0/oopsdatai/d220001/mediasridoous/5341/SNx5176B.pdf
2 J3,J4	RJ45	2	Shielded RJ45 Connectors	https://www.dioik/ https://app.adam-lech.com/products/download/data_sheet.pdf/
3 R1, R2, R3, R4	Imperial: 0402	4 10 ohm	RS485 Res Pulse Proof Thick Film	https://www.digik_https://www.le.com/usa-en/product-2176325-1.datasheet.pdf
4 R5, R6	Imperial: 0402	2 120 ohm	120 ohm, RS485 Term Res	
5 R7, R8, R9, R10, R	15 Imperial: 0402	4 10k	10k ohm Res, UART-RS485	
6 D1, D2	SOT23	2 TVS CDSOT23-SM712	TVS Diode, RS485	https://www.digis/ https://www.bourns.com/docs/Product-Datasheets/CDSOT23-SM712.pdf
7 C1, C2, C3, C4	Imperial: 0402	4 100nF	Ceramic Cap, RS485	
8 U5	USB to UART	1 MCP2200-I/SO	USB to UART Interface	https://www.mou. https://www.mouser.com/datasheet/2/288MCP2200 USB 2 0 to UART Protocol Converter with GP-2401246.pdf
9 C5	Imperial: 0402	1 0.22uF	Bypass CAP	https://www.digik_https://mm.digikey.com/Volume0/opasdata/d220001//mediasidocus/2614/CL05B224KC5NNNC_Spec.pdf
10 C6	Imperial: 0402	1 10uF	Bus CAP (Can't be more than 10uF)	https://www.digik_https://www.murata.com/en-us/apipdidown/loadapi?cate=luCeramicCapacitorsSMD&partno=GRM15SR6Q.108ME15%23
11 J1, J2	Micro-USB	1	USB Connection to Rem PC	
12 Y1	3 Pads (Dim Given)	1 12MHz 33pF	Ceramic Resonator	https://www.digiis/ https://www.murata.com/en/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/products/pr
13 R11	Imperial: 0402	1 10k	RES for RESET	
Local RS485 Interface				
Id Designator	Footprint	Quantity Designation	Description	Purchase Link Data Sheet
1 U1	ESP8266 (Slave)	1		
2 R12	Imperial: 0402	1 499 ohm	UARTRX Res	
3 R13	Imperial: 0402	1 200 ohm	SDIO_CLK Res	
4 R14	Imperial: 0402	1 12k±1%	RES12K Res	
5 C7	Imperial: 0402	1 10uF		
6 C8	Imperial: 0402	1 0.1uF		
7 C9	Imperial: 0402	1 1uF		
8 C10	Imperial: 0402	1 3.0pF		
9 C11	Imperial: 0402	1 2.4pF		
10 J5	SMA	1 Wifi SMA Coax Conn		
11 U2	S08N	1 8266 Flash Memory	M95M02-DR	https://www.digit/https://www.st.com/content/cochresource/technical/document/datasheel/2alc/11/ar71/e0/49/4c/df/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf/fies/CD00295531.pdf
12 C12, C13	Imperial: 0402	2 14pF	Crystal OSC Caps	
13 Y2	4 Pads (Custom)	1 26Mhz ±10ppm	Crystal Oscillator	https://www.digik_https://support.epson.biz/?id/api/doc_check.php?di=briel_TSX-32258lang=en
14 L1	Imperial: 0603	1 4.3nH		
15 L2	Imperial: 0603	1 2.2nH		
High Side Switch and Cur				
Id Designator		Quantity Designation	Description	Purchase Link Data Sheet
1 U6	8SOIC	1 High Side Current Sensor		https://www.digit.html/www.andep.com/mediate-facinise-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-documentalisate-intensional-docu
2 U7 (NOT USED) 3 R17	SOT-23-5	1 Op-AMP I-Sense OUT 1 1.7M	OPA320AQDBVRQ1	menum operation and control symmetry and control sy
	Imperial: 0402	1 1.7M 1 3.3M		
4 R18	Imperial: 0402	1 3.3M 1 30nF		
5 C14 6 R16	Imperial: 0402	1 30nF 100m	Corres Business Matel Electronic Institute	Into //www.doi/s https://www.doi/s https://www.d
7 Q1	4 Pad, Imperial: 0603 DFN3X3-8L	100m 1 Power FET -80V. 16A	Sense Resistor, Metal Film, Low Inductar Load Switch	nice tits_invent digit fills_timm_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/vormer/seps_disper_com/
8 Q2	SOT-23-3	1 Control FET	NMOS Gate FET for Load Switch	INDEX PRIVATE DESCRIPTION OF THE PROPERTY OF T
9 R19 (NOT USED)		1 Control FET	NWO Sale FET for Load Switch	1882-1881-1982-1981-1982-1982-1982-1982-
10 R20	Imperial: 0402	1 20nm 1 550ohm		
11 R21	Imperial: 0402	1 2M		
12 R22	Imperial: 0402	1 1M		
12 R22 13 R23	Imperial: 0402	1 100k		
13 NZ3	impenal. 0402	1 100%		