















Comment	Description	Designator	Footprint	LibRef	Quantity
		3V3, 5V, 6V_BUS_B1,			
ROVICIE	SMT Test Point	6V_BUS_B2, 6V_BUS_B3, GNID1, GND2, GND3, GNID4, GND5, GND6, GPIO0, 12C_SOL, 12C_SDA, NRST, SUSPEND,	RONCTE	ROWCTE	20
		UART_DSR, UART_DTR, UART_RTS, USB_ID C1 B1, C1 B2, C1 B3.			
GRW21BR61E22BW544 K	CAP CER 22uF 25V XSR 0805	C2 B1, C2 B2, C2 B3, C5 B1, C5 B2, C5 B3, C6 B1, C6 B2, C6 B3,	.CAP_0805	GRM21BR61E226M544 K	30
		C10 B1, C10 B2, C10 B3, C11, C12, C15, C16, C17, C18 C3 B1, C3 B2, C3 B3,			
GCJ188R71H104KA12 D	CAP CER 0.1uF 50V X7R 0603	C4_B1, C4_B2, C4_B3, C13, C14, C21, C24, C25, C26, C27, C29	.CAP_0603	GC/188R71H104KA12 D	1-
GRT188R71E105KE13D	CAP CER 1uF 25V X7R 0603	C19, C20, C22, C23	.CAP_0603	GRT188R71E105KE13D	
GOM188R72A103KA37	CAPCER 0.01 uF 100V X7R	C28	.CAP_0603	GOM188R72A103KA37 D	
SMAJ12A-13-F	TVSDIODE12WM	D1	SMAJ12A-13-F	SMAJ12A-13-F	1
ESD526.0T1G	TVSDIODE6VVM	D2_B1, D2_B2, D2_B3 D3_B1, D3_B2, D3_B3,	ESD626.0T1G	ESD626.0T1G	1
LTST-C191KGKT	LED GREEN 2V 0603	D6, D7, D8, D9, D10, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30	.LED_0603	LTST-C191KGKT	23
DE3D5V0U1BA-7	TVSDIODE5VVM	D4, D11	DESD5V0U1BA-7	DESD6V0U1BA-7	:
BAT60JFILM	DIODESCHOTTKY10V 3ASOD323	D5	BAT60JFILM	BAT60JFILM	-
XT60PW-M	XT60PWMale	J1, J3	XT60PW-M	XT60PW-M	2
TSW-101-08-G-T-RA	CONN HEADERRYA 3POS2.54MM	L, JI, B1, JI, B2, JI, B3, J, B1, J, B2, J, B3, J, B1, J, B2,	HEADER 3POS R/A_2. 54MM	TSW-101-08-G-T-RA	16
MTJ-88ARX1-FSM-LG	RJ45JACKR/A	J9, J10	MTJ-88ARX1-F9M-LG	MTJ-88ARX1-F9M-LG	
PRPC040SAAN-	SHIELDED CONN HEADER VERT	J11. J16	HEADER_6POS_2.54M	PRPC040SAAN-	
RC_POS6 PRPCM/ISAAN-	6POS2.54MM CONN HEADER VERT	. ,	M HEADER 5POS 2.54M	RC_POS6 PRPC040SAAN-	-
RC_P095	5POS2.54MM	J13, J14	M	RC_POS6	1
1050170001 SRP6060FA-5R6M	CONIN USB MICROB R/A FIXED IND 5.6uH 10A	J15 L1_B1, L1_B2, L1_B3	USB_MICRO_B SRP6060FA-5R6M	1050170001 SRP6060FA-5R6M	
	15.8mOhm FIXED IND 4.7uH				`
NRH3012T4R7MN	1.06A	12	NRH3012T4R7MN	NRH3012T4R7MN	1
HOLE_M3 .NET TIE	.HOLEM3 .GBNERICNETTIE	M1, M2, M3, M4 NT3, NT4, NT5, NT9,	.HOLE_M3	.HOLE_M3	
_	MOSFETN-CH60V	NT10, NT11	_	_	,
DMN6140L-7	1.6A SOT-23 NPN BJT 40V 600mA	Q1, Q4	.SOT-23-3	DMN6140L-7	-
MMBT2222A-7-F	SOT-23	Q2, Q3 R1, R3_B1, R3_B2,	.SOT-23-3	MMBT2222A-7-F	:
R00603FR-071KL	RES1KOHM0603	R3_B3, R11, R12, R13, R15, R16, R25, R30, R32, R33, R55, R56, R57, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75	.RES_0603	RC0603FR-071KL	2
ERJ-3EKF2002V	RES20KOHM 0603	R2_B1, R2_B2, R2_B3, R7	.RES_0603	ERJ-3EKF2002V	
R00603FR-0788K7L	RES88.7KOHM 0603	R4_B1, R4_B2, R4_B3	.RES_0603	R00603FR-0788K7L	
RC0603FR-0710KL	RES10K OHM 0603	R5 B1, R5 B2, R5 B3, R6 B1, R6 B2, R6 B3, R9, R10, R14, R19, R20, R21, R22, R34, R35, R36, R41, R58	.RES_0603	R00603FR-0710KL	11
	RES73.2K OHM 0603	R8 R17 R18 R23 R24	.RES_0603	R00603FR-0773K2L	1
R00603FR-07560RL	RES560 OHM 0603	R26, R27, R28	.RES_0603	R00603FR-07560RL	1
R00603FR-0724FL	RES24 OHM 0603	E29, R31 R37, R38, R39, R40, R42, R43, R44, R45, R46, R47, R48, R46, R46, R47, R48, R46, R50, R51, R52, R53, R59, B3, R50, B1, R50, B2, R50, B3, R61, B1, R61, B2, R61, B3, R62, B1, R62, B3, R62, B1, R63, R62, B1, R63, B1, R63, B2,	.RES_0603	R00603FR-0724FL	3
R00603FR-07140KL PT9647SN38SMTR2LF S	RES140KOHM0603 SWITCHTACTILE SPST- NO 0.05A 12V	R63_B3 R54 S1	.RES_0603 PTS647SN38SMTR2LF S	R00603FR-07140KL PTS6475N385MTR2LF S	1
TP9566242DRLR	BUCK 3V-16V 6A SOT-	U1_B1, U1_B2, U1_B3,	TP9566242DRLR	TP9566242DRLR	4
TLV75633PDBVR	563 3V3 (Fixed) LDO	U2 LB	SOT-23-5	TLV75533PDBVR	
	500mA SOT25 ESP8266 + Trace				
2491-ESP8266	Antenna, 4MB Flash	U4	2491-ESP8266	2491-ESP8266	1
TCA9509DGKR	USB to UART SOP 28	U5	TCA9509DGKR	TCA9509DGKR	
CY7064225-28PVXCT PCA9685PW,112	Pin I2CLED Driver	U6 U7, U8	CY7064225-28PVXCT PC49685PW,112	CY7064225-28PVXCT PCA9685PW,112	
- C-9000PVI,112	Single-Ended	ur, us	r 049000PVV,112	r-CA9000FVV,112	,
	Multiplexer, 1 Func, 8	U9	TMUX1208	TMUX1208PWR	