Quantity	Comment	Footprint	Description	Designator
1	1uF_X5R_0805	C0603	Bipolar Capacitor	C_ETH_POWER6
1	470P	C0603	Bipolar Capacitor	C_ETH_POWER4
2	2.2uF	C0603	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C21, C22
2	10uF	C0603	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C28, C31
2	22uF	C0603	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C17, C18
4	Cap	C0603	Capacitor	C_ETH_POWER7, C_ETH_POWER8, C_ETH_POWER_DECOUPLING1, C_ETH_POWER_DECOUPLING2
22	100nF	C0603	CAP, MLCC, -F, -V, MATERIAL, -%, 0201, Bipolar Capacitor	C1, C2, C3, C10, C11, C12, C13, C14, C15, C16, C19, C20, C23, C24, C27, C29, C30, C_ETH_POWER1, C_ETH_POWER2, C_ETH_POWER5, C_ETH_XTAL1, C_ETH_XTAL2
1	1uF	C_EL_5	Polar Capacitor	C_ETH_POWER3
4	470uF	C_EL_8	CAP, THD, ELEC,	C4, C5, C25, C26
2	LM2596HVS	D2PAK_5		U3, U5
2	1N5822	D_SMA	DIODE, SCHOTTKY, 40V, 3A	D3, D8
6	1N4148	D_SOD80	DIODE, FAST SWTICHING, 0.2A	D1, D2, D4, D6, D7, D9
1	HDRF4	HDRR_F_1X4	CONN, HEADER, Female, pitch: 2.54mm, 4POS	J6
1	FB805	L0805	FERRITE_Bead, 0805, 2A, 50mOhm, 220@100MHz	FB1
1	Inductor	L1206	Inductor	L_ETH_BEAD1
2	3.3uH	L_7	INDUCTOR, 3.3uH, 8A (Irms), 10mOhm	LP1, LP2
1	LED805BLU	LED0805BLU	LED, SMD, 0805, BLUE	D10
4	CONN_TB2	MSTB_2	CONN, PHOENIX MSTB, 5-G, 5.08mm pitch	J2, J5, J7, J9
1	CONN_TB3	MSTB_3	CONN, PHOENIX MSTB, 5-G, 5.08mm pitch	J8
3	CONN_TB4	MSTB_4	CONN, PHOENIX MSTB, 5-G, 5.08mm pitch	J1, J3, J4
1	STM32F407VGT6	QFG50_100	STM32 Series 32-bit 1 MB Flash 192 kB RAM ARM Based Microcontroller - LQFP-100	U1
1	SMSC LAN8720	QFN50_24T	Small Footprint RMII 10/100 Ethernet Transceiver with HP Auto-MDIX Support	IC1
1	1K	R0603	RESISTOR, SMD	R20
1	1K5	R0603	Resistor	R_ETH_MDIO1
1	12K1	R0603	Resistor	RBIAS1
1	120R	R0603	RESISTOR, SMD	R2
2	470R	R0603	RESISTOR, SMD	R1, R3
4	33	R0603	Resistor	R_ETH_CRS_DV1, R_ETH_REF_CLK1, R_ETH_RXD3, R_ETH_RXD4
6	Res	R0603	Resistor	R_ETH_LED1, R_ETH_LED2, R_ETH_RXN1, R_ETH_RXP1, R_ETH_TXN1, R_ETH_TXP1
10	10K	R0603	Resistor, RESISTOR, SMD	nintsel_down1, R17, R21, R22, R23, R_ETH_CRS_DV_UP1, R_ETH_PHY_ADD1, R_ETH_REF_CLK_UP1, R_ETH_RXD1, R_ETH_RXD2
14	2.2K	R0603	RESISTOR, SMD	R4, R5, R6, R7, R8, R10, R11, R12, R13, R14, R15, R16, R18, R19
1	HR911105A-RJ45	RJ45_8M_HR911105A		RJ1
1	SP3485	SO_8	RS-485 Transceiver, 3.3V	U2
1	PC817	SOIC254P1000X460-4N	OPTOCOUPLER, TRANSISTOR, 4PIN	U7
1	AMS1117	SOT223_4		U6
1	PUSHBUTTON	SWPBS_SPST_6X3X2	SWITCH, PUSH BUTTON, TACTILE, SMD, SPST, 6X3.5X2.5mm	SW1
1	Test Point	TPSMD_C1	Test Point	GND1
1	25MHz	XTL_2_11X5	XTAL Crystal	Y_PHY1
1	XTL_8MHz	XTL_2_11X5	Crystal MOST POPULAR ABL HC49 PACKAGE	X1