

STMicroelectronics: STEVAL-TSP001V1 Power Over Ethernet Board

QTY	Reference	Part Description	Mfg P/n	Mfg	Geometry	Mounting
1	C1	0.1uF 100V ceramic capacitor			1206	SMD
1	C10	4700pF Y capacitor	C1812C472KDRACTU	Kemet	1812	SMD
2	C11, C12	1500uF 6.3V electrolytic capacitor	EEV-FK0J152P	Panasonic	Radial	TH
1	C15	680uF 16V electrolytic capacitor	EEV-FK1C681P	Panasonic	Radial	TH
1	C18	3300pF 50V ceramic capacitor			0805	SMD
3	C2, C3, C4	100uF 63V electrolytic capacitor	EEV-FK1J101P	Panasonic	Radial	TH
1	C7	47uF 25V electrolytic capacitor	EEV-HA1E470P	Panasonic	Radial	TH
2	C8, C19	0.1uF 50V ceramic capacitor			0805	SMD
1	C9	0.01uF 50V ceramic capacitor			0805	SMD
3	D1, D2, D4	Bridge Dip 1A	DF1506DICT	Diodes, Inc.		SMD
1	D10	LED green	SML-LXT0805GW-TR	Lumex	0805	SMD
1	D3	58V zener diode	SMAJ58A	Diodes, Inc.	SMA	SMD
1	D5	Small signal diode	1N4148W	Vishay Semiconductors	SOD-123	SMD
1	D6	188V zener diode	SMAJ188A	STMicroelectronics, Inc	SMA	SMD
1	D7	Schottky diode 2A 40V	STPS2L40U	STMicroelectronics, Inc.	SMB	SMD
1	D8	Schottky diode 3A 150V	STPS3150U	STMicroelectronics, Inc	SMB	SMD
1	D9	LED yellow	SML-LXT0805YW-TR	Lumex	0805	SMD
1	ISO1	Optoisolator SMT	PS2703-1-A	NEC		SMD
2	J1, J2	RJ45-8 female socket	5557785-1	Tyco-Amp		TH
2	L1, L2	4.7uH inductor	DU6629-4R7M	Tyco-COEV		TH
1	Q1	N-channel 200V 5A MOSFET	STD5N20T4	STMicroelectronics, Inc	DPAK	SMD
1	Q2	PNP transistor 150V	MMBT5401	Fairchild	SOT-23	SMD
1	R1	Not used				
1	R2	100k 5% resistor			0805	SMD
1	R3	681k 1% resistor			0805	SMD
1	R4	15k 1% resistor			0805	SMD
3	R5, R10, R18	10k 5% resistor			0805	SMD
4	R6, R7, R8, R19	2 5% resistor			1206	SMD
1	R9	22 5% resistor			0805	SMD
1	R11	10 5% resistor			0805	SMD
1	R12	47k 5% resistor			0805	SMD
1	R13	1k 1% resistor			0805	SMD
1	R14	2.21k 1% resistor			0805	SMD
1	R15	100 5% resistor			0805	SMD
1	R16	3.24k 1% resistor			0805	SMD
1	R17	10k 1% resistor			0805	SMD
1	R20	4.7k 5% resistor			0805	SMD
1	R21	15k 5% resistor			0805	SMD
1	T3	Transformer POE-15 tapped sec	N85158	Cramer Coil		SMD
1	T2	Transformer POE SIG	H2019			SMD
1	TB1	Phoenix 2-PIN	Connect2			TH
1	TB2	Phoenix 3-PIN	Connect3			TH
1	U1	POE interface controller	STHS4257-A-1	STMicroelectronics, Inc.	SO-8	SMD
1	U3	Quasi-resonant SMPS controller	L6565D	STMicroelectronics, Inc.	SO-8	SMD
1	U4	Programmable voltage reference	TL431	STMicroelectronics, Inc.	SO-8	SMD