

Count	RefDes	Part Number	Value	Description	MFR	Size	Volts	Power
4	C17	GRM39X7R473K050A	0.047uF	Capacitor, Ceramic, 0.047uF, 50V, [temp], [tol]	muRata	603		
	C18	GRM39X7R473K050A	0.047uF	Capacitor, Ceramic, 0.047uF, 50V, [temp], [tol]	muRata	603		
	C21	GRM39X7R473K050A	0.047uF	Capacitor, Ceramic, 0.047uF, 50V, [temp], [tol]	muRata	603		
	C22	GRM39X7R473K050A	0.047uF	Capacitor, Ceramic, 0.047uF, 50V, [temp], [tol]	muRata	603		
1	C15	GRM39X7R100K050A	10pF	Capacitor, Ceramic, 10pF, 50V, [temp], [tol]	muRata	603		
1	C13	GRM1885C1H101J	100pF	Capacitor, Ceramic, 100pF, 50V, COG, 5%	muRata	603		
1	C14	GRM39X7R221K050A	220pF	Capacitor, Ceramic, 220pF, 50V, [temp], [tol]	muRata	603		
1	C16	GRM1885C1H102J	1000pF	Capacitor, Ceramic, 1000pF, 50V, COG, 5%	muRata	603		
1	C8	GRM21BR71C105K	1uF	Capacitor, Ceramic, 1uF, 16V, X7R, 10%	muRata	805		
1	C20	GRM21BR60J106K***B	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R	muRata	805		
1	C3	VJ1206Y823KXB	0.082uF	Capacitor, Ceramic, 0.082uF, 100V, X7R, 10%	Vishay	1206		
1	C4	ECJ-3YB2A104K	0.1uF	Capacitor, Ceramic, .1uF, 100V, [temp], [tol]	Panasonic	1206		
1	C7	EMK325RJ106KN-T	10uF	Capacitor, Ceramic, 10uF, 16V	Taiyo Yuden	1210		
3	C5	C3225X5R0J226M	22uF	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	TDK	1210		
	C9	C3225X5R0J226M	22uF	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	TDK	1210		
	C10	C3225X5R0J226M	22uF	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	TDK	1210		
1	C19		4700pF	Capacitor, Ceramic, 4700pF, 2KV, X7R, 10%	AVX	1812	2KV	
3	C6	EEVFC0J331P	330uF	Capacitor, Aluminum, SM, 330uF, 6.3V, 300milliohms	Panasonic	8x10mm	6.3V	
	C11	EEVFC0J331P	330uF	Capacitor, Aluminum, SM, 330uF, 6.3V, 300milliohms	Panasonic	8x10mm	6.3V	
	C12	EEVFC0J331P	330uF	Capacitor, Aluminum, SM, 330uF, 6.3V, 300milliohms	Panasonic	8x10mm	6.3V	
2	C1	EEVFK2A470Q	47uF	Capacitor, Aluminum, SMT, 47uF, 100V, 10%	Panasonic	12.5x13.5mm	100V	
	C2	EEVFK2A470Q	47uF	Capacitor, Aluminum, SMT, 47uF, 100V, 10%	Panasonic	12.5x13.5mm	100V	
2	D7	BAS16	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	Vishay-Liteon	SOT23		
	D9	BAS16	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	Vishay-Liteon	SOT23		
2	D3	MBRS2040LT3	MBRS2040LT3	Diode, Schottky, 2A, 40V	Motorola	SMB		
	D5	MBRS2040LT3	MBRS2040LT3	Diode, Schottky, 2A, 40V	Motorola	SMB		
1	D4	MURS120T3	MURS120T3	Diode, UltraFast Rectifier, 1-A, 200-V	On Semi	SMB		
1	D8	1SMA5936BT3	30V	Diode, Zener, 30V, 1.5W	On Semi	SMA		
1	L4	CDRH104R-100	10uH	Inductor, SMT, 10uH	Sumida	0.405 sq		
1	L3	DO1608C-102	1 uH	Inductor, SMT, 1-uH, 2.9-A, zz-milliohm	Coilcraft	0.26x0.09		
1	L1	DT3316P-224	220 uH/0.5A	Inductor, SMT, xx-uH, yy-A, zz-milliohm	Coilcraft	0.51x0.37		
1	R28	Std	0	Resistor, Chip, 0 Ohms, 1/16-W, yy%	Std	603		
1	R4	Std	1M	Resistor, Chip, 1MOhms, 1/16-W, yy%	Std	603		
1	R26	Std	1.5K	Resistor, Chip, 1.5K Ohms, 1/16W, 1%	Std	603		
1	R17	Std	2.0K	Resistor, Chip, 2.0KOhms, 1/16-W, yy%	Std	603		
1	R19	Std	10K	Resistor, Chip, 10.0K Ohms, 1/16W, 1%	Std	603		
1	R14	Std	13.3K	Resistor, Chip, 13.3 KOhms, 1/16-W, yy%	Std	603		
1	R25	Std	20K	Resistor, Chip, 20.0K Ohms, 1/16W, 1%	Std	603		
1	R1	Std	24.9K	Resistor, Chip, 24.9 KOhms, 1/16-W, yy%	Std	603		
1	R27	Std	24.9K	Resistor, Chip, 24.9K Ohms, 1/16W, 1%	Std	603		
2	R24	Std	40.2K	Resistor, Chip, 40.2K-Ohms, 1/16-W, yy%	Std	603		
	R29	Std	40.2K	Resistor, Chip, 40.2K-Ohms, 1/16-W, yy%	Std	603		

1	R21	Std	51.1	Resistor, Chip, 51.1Ohms, 1/16-W, yy%	Std	603	
1	R11	Std	64.9K	Resistor, Chip, 64.9K Ohms, 1/16-W, yy%	Std	603	
1	R9	Std	130K	Resistor, Chip, 130K ohm , 1/16-W, 1%	Std	603	
1	R5	Std	249	Resistor, Chip, 249 Ohms, 1/16-W, yy%	Std	603	
1	R22	Std	249	Resistor, Chip, 249 Ohms, 1/16W, 1%	Std	603	
1	R20	Std	499	Resistor, Chip, 499 Ohms, 1/16W, 1%	Std	603	
1	R13	Std	825K	Resistor, Chip, 825K ohm , 1/16-W, 1%	Std	603	
1	R23	Std	OPEN	Resistor, Chip, OPEN, 1/16W, 1%	Std	603	
1	R12	Std	10	Resistor, Chip, 10 Ohms, 1/10W, 5%	Std	805	
1	R7	Std	20	Resistor, Chip, 20 Ohms, 1/10W, 5%	Std	805	
1	R3	Std	49.9K	Resistor, Chip, 49.9K Ohms, 1/10W, 1%	Std	805	
1	R2	Std	100K	Resistor, Chip, 100K Ohms, 1/10W, 1%	Std	805	
1	R16	Std	0.68	Resistor, Chip, 0.68 Ohms, 1W, 1%	Std	2512	1W
4	J1	ED1514		Terminal Block, 2-pin, 6-A, 3.5mm	OST	0.27 x 0.25"	
	J3	ED1514		Terminal Block, 2-pin, 6-A, 3.5mm	OST	0.27 x 0.25"	
	J4	ED1514		Terminal Block, 2-pin, 6-A, 3.5mm	OST	0.27 x 0.25"	
	J5	ED1514		Terminal Block, 2-pin, 6-A, 3.5mm	OST	0.27 x 0.25"	
1	U4	TLV431ACDBV5	TLV431ACDBV5	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	TI	SOT23-5	
1	U1	TPS2370PW	TPS2370PW	IC, Hot SwapSwitch for PoE Power Devices	TI	TSSOP8-PW	
1	U5	TPS62000DGS	TPS62000DGS	IC, High-Efficiency Step-Down Converter	TI		
1	Q3	IRF7465	IRF7465	MOSFET, N-ch, 150V, 1.9A, 280milliOhms	IR	SO-8	
1	U2	UCC3813-4D	UCC3813-4D	IC, Low-Power BiCMOS Current-mode PWM, Von = xx V	TI	SO8	
1	T1	G023091	G023154	Transformer, Flyback, 2 Primary, 3 Secondary Custom	GCI	1.180 x 0.886	
1	L2	UU9.8H-601	OPTIONAL	Inductor, Common-mode, 600uH, 1A, 200milliohms	GCI	0.690 * 0.610"	
1	U3	H11A817	H11A817	IC, Optocoupler, 5300-V, 50-600% CTR	QT Optoelectronics	0.380 x 0.180	

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