

Comment	Description	Designator	Footprint	LibRef	Quantity
	220uF 35V ±20% SMD D8xl 10 5mm				
	Aluminum				
220uF	Electrolytic	C1, C2, C3	CAPAE9583X105M	VT1V221M-CRF10	
	Capacitors - SMD				
	ROHS				
	50V 1uF X7R ±5% 1206				
1uF 100nF	Multilayer Ceramic Capacitors MLCC -	C4, C5, C8, C9, C11, C12	CAPC3216X18M	CC1206JKX7R9BB105	
	SMD/SMT ROHS	C12			
	50V 100nF X7R ±5% 1206 Multilayer				
	Ceramic Capacitors	C6, C10, C14, C16	CAPC3216X18M	CC1206JRX7R9BB104	
	MLCC - SMD/SMT				
	ROHS F VZD - 4000				
10uF	25V 10uF X7R ±10% 1206 Multilayer				
	Ceramic Capacitors	C7	CAPC3216X18M	CC1206KKX7R8BB106	
	MLCC - SMD/SMT				
	ROHS				
	100uF 35V ±20% SMD D6 3xl 7 7mm				
100uF	Aluminum				
	Electrolytic	C13, C15	CAPAE7466X77M	VT1V101M-CRE77	
	Capacitors - SMD				
rn.	ROHS	D4 DE	I EDCOOL (V4001)	IED 120/	
LED	SMD LED 1206 75V Independent	D1, D5	LEDC3216X120N	LED_1206	
1N4148W 1N5824 KF128-5.0-2P	Type 1.25V@150mA		1		
	8ns 150mA SOD-123	D2, D3, D4	SODFL370X135-2M	1N4148W	
	Switching Diodes		1		
	ROHS 40V Independent				
	40V Independent Type 550mV@5A 5A		1		
	SMA(DO-214AC)	D6	DIOM5025X22M	SS54	
	Schottky Diodes		1		
	ROHS				
	1x2P 24A - 40°C~+105°C 250V		1		
	Green 12~22 Straight				
	5mm 2.5 1 2	J1	KF128-2P	KF128-5.0-2P	
	Plugin,P=5mm Screw				
	Terminal Blocks				
xh2.54_2p	ROHS xh2.54_2p	J2	xh2.54_2p	xh2.54_2p	
xh2.54_6p	xh2.54_6p	J3	xh2.54_6p	xh2.54_6p	
xh2.54_4p	xh2.54_4p	J4	xh2.54_4P	xh2.54_4p	
KF128-3P	1x3P 24A -				
	40°C~+105°C 250V				
	Green 12~22 Straight 5mm 2.5 1 3	J5	KF128-3P	KF128-5.0-3P	
	Plugin,P=5mm Screw	-			
	Terminal Blocks				
	ROHS				
330uH	1.2A 330uH ±20% SMD-4P,12x12mm			CDRH127/LDNP-	
	Power Inductors	L1	INDP120120X80M	331MC	
	ROHS				
IRF540S 10k	Power Field-Effect				
	Transistor, 28A I(D), 100V, 0.077ohm, 1-		1		
	100V, 0.07/ohm, 1- Element, N-Channel,	Q1, Q2, Q3, Q4, Q5,	DPAK254P1524X483-	IRF540S	
	Silicon, Metal-oxide	Q6	3M		
	Semiconductor FET,		1		
	TO-263AB				
	250mW Thick Film Resistors 200V		1		
	±100ppm/°C ±1%	D4 D40	DE00044 (V- : : :	D0400/FD	
	10kΩ 1206 Chip	R1, R10	RESC3116X06M	RC1206FR-0710KL	
		I	1	l	
	Resistor - Surface				
	Mount ROHS				
	Mount ROHS 250mW Thick Film				
1000	Mount ROHS 250mW Thick Film Resistors 200V	DD D4 D5	07000444V	D0400/FD	
100R	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 100Ω 1206 Chip	R2, R4, R5, R7, R8, R9	RESC3116X06M	RC1206FR-07100RL	
100R	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 100Ω 1206 Chip Resistor - Surface	R2, R4, R5, R7, R8, R9	RESC3116X06M	RC1206FR-07100RL	
100R	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 100Ω 1206 Chip Resistor - Surface Mount ROHS	R2, R4, R5, R7, R8, R9	RESC3116X06M	RC1206FR-07100RL	
100R	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 100Ω 1206 Chip Resistor - Surface	R2, R4, R5, R7, R8, R9	RESC3116X06M	RC1206FR-07100RL	
100R	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 1000 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mQ Patch Current Sensing Resistors				
	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 1000 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mΩ Patch Current Sensing Resistors ±400ppm/°C ±1%	R2, R4, R5, R7, R8, R9	RESC3116X06M	RC1206FR-07100RL  WSL2512L5000FEA18	
	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C ±1% 1000 1200 Chip Resistor - Surface Mount ROHS 2W 0.5mp Patch Current Sensing Resistors ±400ppm/°C ±1% 2512 Current Sense				
	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS ZW 0.5ma Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sense Resistors Sense Resistors Sense Resistors Sense Resistors Sense Resistors / Shunt				
100R SmR	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mn Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sense Resistors - Shant Resistors ROHS				
5mR	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mc Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sense Resistors / Shunt Resistors / Shunt Resistors / Shunt Resistors ROHS -4V-80V 400kHz	R3, R6	RESC6432X07M	WSL2512L5000FEA18	
	Mount ROHS 250mW Thick Film Resistors 200V ±100/ppm/°C ±1% 100a 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mQ Patch Current Sensing Resistors ±400/ppm/°C ±1% 2512 Current Sense Resistors - Shunt Resistors ROHS -4V-80V 400kHz Single channel TSSOP.	R3, R6		WSL2512L5000FEA18	
5mR	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mc Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sense Resistors / Shunt Resistors / Shunt Resistors / Shunt Resistors ROHS -4V-80V 400kHz	R3, R6	RESC6432X07M	WSL2512L5000FEA18	
5mR	Mount ROHS 250mW Thick Film Resistors 200V ±10(ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mD Patch Current Sensing Resistors ±40(ppm/°C±1% 2512 Current Sense Resistors / Shunt Resistors / Shunt Resistors ROHS -4V-80V 400kHz Single channel TSSOP & Current Sense Amplifiers ROHS	R3, R6	RESC6432X07M	WSL2512L5000FEA18	
5mR NA240A2PWR	Mount ROHS  250mW Thick Film Resistors 200V ±100ppm/°C±1% 1000 1206 Chip Resistor - Surface Mount ROHS  ZW 0.5mc Patch Current Sensing Resistors ±100ppm/°C±1% 512 Current Sense Resistors / Shunt Resistors ROHS  -4V-80V 400kHz Single channel TSSOP 6 Current Sense	R3, R6	RESC6432X07M TSOP65P640X120-8M	WSL2512L5000FEA18	
5mR NA240A2PWR	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS 2W 0.5mc Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sense Resistors 7.5 Nant Resistors ROHS -4V-80V 400kHz Single channel TSSOP 8 Current Sense Amplifiers ROHS Half Bridge 2 130mA 100ms 50ns 10V-20V 270mA 5016-8 Gate	R3, R6	RESC6432X07M	WSL2512L5000FEA18	
5mR NA240A2PWR	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 1000 1206 Chip Resistor - Surface Mount ROHS 2W 0.5m0 Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sensing Resistors ROHS 4V-80V 400kHz Single channel TSSOP 8 Current Sense Amplifiers ROHS Half Bridge 2 130mA 100ns 50ns 10V-20V 270mA SOIC-8 Gate Drivers ROHS	R3, R6	RESC6432X07M TSOP65P640X120-8M	WSL2512L5000FEA18	
SmR NA240A2PWR R2103STRPBF	Mount ROHS  250mW Thick Film  Resistors 200V ±100ppm/°C±1% 100a 1206 Chip Resistor - Surface Mount ROHS  2W 0.5mc Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sense Resistors 7.5 Nant Resistors 7.5 Nant Resistors 8.0 HS  4V-80V 400kHz Single channel TSSOP 8 Current Sense Ampliffers ROHS  Half Bridge 2 130mA 100ms 50ms 10V-20V 270mA 501c-8 Gate Drivers ROHS	R3, R6	RESC6432X07M TSOP65P640X120-8M SOIC127P600X175-8M	WSL2512L5000FEA18  INA240A2PWR  IR2103STRPBF	
5mR NA240A2PWR	Mount ROHS 250mW Thick Film Resistors 200V ±100ppm/°C±1% 1000 1206 Chip Resistor - Surface Mount ROHS 2W 0.5m0 Patch Current Sensing Resistors ±400ppm/°C±1% 2512 Current Sensing Resistors ROHS 4V-80V 400kHz Single channel TSSOP 8 Current Sense Amplifiers ROHS Half Bridge 2 130mA 100ns 50ns 10V-20V 270mA SOIC-8 Gate Drivers ROHS	R3, R6	RESC6432X07M TSOP65P640X120-8M	WSL2512L5000FEA18	