





# Bill of Materials

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Source Data From: RElayModule.PrjPcb  
 Project: RElayModule.PrjPcb  
 Variant: None

Creation Date: 9/12/2019 11:52:11 AM  
 Print Date: 43720 43720.49462

Footprint	Comment	LibRef	Designator	Description	Quantity
CAPMP3216X180N	10uF/16V	CP3	C1, C2	Cap 100uF/35V - 470uF/16V	2
1N4148_SMD	1N4148	D1A	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16	Diode 1A	16
JP3x2	Connector 3x2	JP3x2	DS	Connector 3x2	1
KF211V- 2	RL-OUT	Hed2	HD1, HD2, HD3, HD4, HD5, HD6, HD7, HD8, HD9, HD10, HD11, HD12, HD13, HD14, HD15, HD16	Header 2 (Green)	16
Hed2X10S	Header 10x2	HED10X2	HD17	Header 10x2	1
KF211V- 2	Header 2	Hed2	HDC1, HDC2	Header 2 (Green)	2
SO-16	74HC595	74595	IC1, IC2	8 Bit Serial input - Parallel Output	2
JP2	Jumper 2	JP 2	JN1, JN2, JN3, JN4, JN5, JN6, JN7, JN8, JN9, JN10, JN11, JN12, JN13, JN14, JN15, JN16	Jumper 2	16
LED0805	LED	LED	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16	LED Single colour Green and Red	16
SO-16	TLP2904	PC817 x 4	OPTO1, OPTO2, OPTO3, OPTO4	PC817 OPTO	4
SM-0805	1k	R	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16	Resistor 1/4W	16
RL_SPDT_10A	Relay 10A/12V	Relay 1	RL1, RL2, RL3, RL4, RL5, RL6, RL7, RL8, RL9, RL10, RL11, RL12, RL13, RL14, RL15, RL16	Relay SPDT,10A - 12VDC 5 Pin	16
RES P4 Dual 0805/2012	100	Respack 4 Dual	RN1, RN2, RN7, RN8		4
RES P4 Dual 0805/2012	1K	Respack 4 Dual	RN3, RN4, RN5, RN6, RN9, RN10, RN11, RN12		8
SOIC127P750X1175-18N	ULN2803A	ULN2803A	ULN1, ULN2	High-Voltage, High-Current Darlington Array	2
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Approved	Notes