

# BD16950EFV-EVK-001 BOM



Comp. Name	Description	Type	Quantity
C1, C4, C5, C6, C7, C9, C10, C13, C14, C15	100nF, 50V 0805 X7R	Capacitor, Surface Mount	10
C2	330uF, 50V 5x10	Aluminum Electrolytic Capacitor	1
C3	1uF, 50V 1206 X7R	Capacitor, Surface Mount	1
C8	220uF, 50V 10x16	Aluminum Electrolytic Capacitor	1
C11, C12	1uF	Capacitor, Surface Mount	2
C16	10uF	Capacitor, Surface Mount	1
C17	100uF	Capacitor, Surface Mount	1
CN2, CN3	Blue Connector	Connector	2
CN4	TAG_Connect	Connector	1
CN5	MINI_USB	Connector	1
D1	EDZ16B/ROHM SOD-523 16V,150mW	Diode, Surface Mount	1
D2	BAS16VV/NXP SOT-666 100V, 200mA	Diode, Surface Mount	1
J1, J9, J10, J11, J12, J13	Solder Connection, closed	Jumper, Surface Mount	6
J2, J14	Solder Connection, closed	Jumper, Surface Mount	2
J3, J4, J5, J7, J8, J15, J16	1x2 Pin Header, Through Hole	1x2 Pin Header, Through Hole	7
J6	1x3 Pin Header, Through Hole	1x3 Pin Header, Through Hole	1
Q1, Q2, Q3, Q4, Q6	RQ3G270BL	Nch MOSFET	5
Q5	BC846 NXP SOT23	Transistor, Surface Mount	1
R1	10K ohm 0805	Chip Resistor, Surface Mount	1
R2, R3, R4, R5, R6	0ohm jumper 1210	Chip Resistor, Surface Mount	5
R7	33K ohm 0805	Chip Resistor, Surface Mount	1
R8, R9	22K ohm 0805	Chip Resistor, Surface Mount	2
All Testpins	Probe Ring	Test Pin, Through Hole	30
U1	BD16950EFV IC	ROHM Motor Driver	1
U2	BD450M2FP3-CE3	ROHM LDO Regulator IC	1

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