

Bill of Materials for ATX Power Supply Breakout Board

P/N: 10016

Description	Designator	Manufacturer	P/N	Qty.	Value
Aluminum Electrolytic Capacitor	C1, C3, C5, C9_EPWR1, C9_EPWR2, C11	Vishay/Sprague	515D336M035JA6AE3	6	33 uF
Capacitor	C2, C4, C7, C10_EPWR1, C10_EPWR2, C12	TDK	C1608X7R1E104K	6	0.1 uF
ATX v2.0 Motherboard Header	H2	Molex	442060007	1	
ATX Peripheral Power Connector	H3	Molex	15244742	1	
Terminal Block	H4, H6	Phoenix Contact	1725656	2	
Terminal Block	H7, H9, H13, H15_EPWR1, H15_EPWR2, H18	Phoenix Contact	1733570	6	
Header, 8-pin	H5	Molex	457180003	1	
USB Header, Dual, Stacked	H12	FCI	72309-8034BLF	1	
PCI-E 8-Pin Power Header	H16_EPWR1, H16_EPWR2	AMP	1586041-8	2	
ATX 12V EPS Header	H19	Molex	39-28-1083	1	
Mechanical Screw	M1, M3, M4, M5, M6, M7	Keystone	30M0258	6	
Mechanical Standoff	M2, M8, M9, M10, M11, M12	Keystone	1893	6	
SPST Switch	S1	C&K Components	L101011MS02Q	1	
LED	D1, D2, D3_EPWR1, D3_EPWR2, D4	Knightbright	WP132XID	5	
European Phone Charger Resistors	R5_A1, R5_A2	Vishay/Dale	CCF55200RFKE36	2	200
LED Resistors	R1	KOA Speer	MF1/4DCT52R2800F	1	280
LED Resistors	R2, R8_EPWR1, R8_EPWR2, R9	Vishay/Dale	CCF07510RJKE36	4	510
Apple Low-current Charge Resistors	R3_A1, R3_A2	Vishay/Dale	CCF5549K9FKE36	2	49.9k
Apple High-current Charge Resistors	R3_A1, R3_A2	KOA Speer	MF1/4DC4302F	2	43k
Apple Charge Resistors	R6_A1, R6_A2	Vishay/Dale	CCF5575K0FKE36	2	75k
Apple Charge Resistors	R4_A1, R4_A2, R7_A1, R7_A2	Vishay/Dale	CCF5549K9FKE36	4	49.9k
2x1 Powerpole Assembly	H11, H14, H17_EPWR1, H17_EPWR2, H20	Anderson Power Products	1377G12	10	Contacts
2x1 Powerpole Assembly	H11, H14, H17_EPWR1, H17_EPWR2, H20	Anderson Power Products	1327G6	5	Black Housing
2x1 Powerpole Assembly	H14, H17_EPWR1, H17_EPWR2, H20	Anderson Power Products	1327G6	4	Red Housing
2x1 Powerpole Assembly	H11	Anderson Power Products	1327G17	1	Orange Housing