



Bill of Materials for the ADT7476EBZEV Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C2	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C3	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C4	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C5	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C6	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C7	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C8	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C9	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C10	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C11	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C12	1	CAP+	0.33uF	10%	1205	AVX	TAJA334K035RNJ	Yes	Yes
C13	1	CAP+	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C14	1	CAP+	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C15	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C16	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C17	1	CAP+	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C18	1	CAP+	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C19	1	CAP+	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C20	1	CAP+	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C21	1	CAP+	2.2uF	10%	1206	AVX	TAJA225K010RNJ	Yes	Yes
C22	DNP	CAP	-	-	0805	-	-	Yes	Yes
C23	DNP	CAP	-	-	0805	-	-	Yes	Yes
C24	DNP	CAP	-	-	0805	-	-	Yes	Yes
C25	DNP	CAP	-	-	0805	-	-	Yes	Yes
C26	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C27	1	CAP	22pF	5%	0603	MULTICOMP	U0603C220JCT	Yes	Yes
C28	1	CAP	22pF	5%	0603	MULTICOMP	U0603C220JCT	Yes	Yes
C29	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C30	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C31	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C32	1	CAP	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
D1	1	DIODE-ZENER3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D2	1	DIODE-ZENER3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D3	1	LED	2V	-	-	OSRAM	LST676-Q1R2-1-1-Z	Yes	Yes
D4	1	DIODE-ZENER3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D5	1	DIODE-ZENER3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D6	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D7	1	LED	3.2V	-	3.5x2.8x1.9mm	Hebei IT Ltd	PLCC2KGCT	Yes	Yes
D8	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D9	1	LED	2V	-	-	OSRAM	LST676-Q1R2-1-1-Z	Yes	Yes
D10	1	DIODE	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D11	1	DIODE	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D12	1	DIODE	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D13	1	DIODE	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D14	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D15	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D16	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D17	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes

D18	1	DIODE-DL4001	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D19	1	SCHOTTKY DIODE	-	-	SOT-23	DIODES INC	ZHCS750	Yes	Yes
D20	1	LED	3.6V	-	SOT-23	NXP	BZX84-C3V6	Yes	Yes
D21	1	LED	3.2V	-	3.5x2.8x1.9mm	Hebei IT Ltd	PLCC2KGCT	Yes	Yes
D22	1	SCHOTTKY DIODE	-	-	SOT-23	DIODES INC	ZHCS750	Yes	Yes
D23	1	SCHOTTKY DIODE	-	-	SOT-23	DIODES INC	ZHCS750	Yes	Yes
D24	1	SCHOTTKY DIODE	3.2V	-	3.5x2.8x1.9mm	Hebei IT Ltd	PLCC2KGCT	Yes	Yes
D25	1	SCHOTTKY DIODE	3.6V	-	SOT-23	NXP	BZX84-C3V6	Yes	Yes
D26	1	SCHOTTKY DIODE	3.6V	-	SOT-23	NXP	BZX84-C3V6	Yes	Yes
J1	1	4P_FAN_CONN	-	-	4P_FAN_CONN	MOLEX	74099-1004	Yes	Yes
J2	1	SOCKET, 0.1"e PCB 6 WAY	-	-	DIP24	HARWIN	M20-7890646	Yes	Yes
J3	1	CONN HEADER 3POS 1.25MM VERT TIN	-	-	SIP-3P-1.25MM	MOLEX	530470310	Yes	Yes
J4	1	HEADER03-FAN	-	-	SIP-3P-POL	MOLEX	22-23-2031	Yes	Yes
J5	1	CON/POWER	-	-	CON/POWER	MOLEX	530470310	Yes	Yes
J6	1	HEADER03-FAN	-	-	SIP-3P-1.25MM	MOLEX	530470310	Yes	Yes
J7	1	HEADER03-FAN	-	-	SIP-3P-POL	MOLEX	22-23-2031	Yes	Yes
J8	1	CON/POWER	-	-	CON/POWER	MOLEX	530470310	Yes	Yes
J9	1	HEADER03-FAN	-	-	SIP-3P-1.25MM	MOLEX	530470310	Yes	Yes
J10	1	HEADER03-FAN	-	-	SIP-3P-POL	MOLEX	22-23-2031	Yes	Yes
J11	1	CON/POWER	-	-	CON/POWER	MOLEX	530470310	Yes	Yes
J12	1	HEADER03-FAN	-	-	SIP-3P-1.25MM	MOLEX	530470310	Yes	Yes
J13	1	HEADER03-FAN	-	-	SIP-3P-POL	MOLEX	22-23-2031	Yes	Yes
J14	1	CON/POWER	-	-	CON/POWER	MOLEX	530470310	Yes	Yes
J15	1	4P_FAN_CONN	-	-	4P_FAN_CONN	MOLEX	74099-1004	Yes	Yes
J16	1	CON/PCPOWER4 RA	-	-	CON/PCPOWER4 RA	MOLEX	22-23-2031	Yes	Yes
J17	1	CON/POWER	-	-	CON/POWER	CAMDEN	CTB5000/2	Yes	Yes
J18	1	CON-BARREL	-	-	CON-BARREL	CLIFF ELECTRONIC	DC10A	Yes	Yes
J19	1	HEADER02	-	-	SIP-2P	HARWIN	M20-9990246	Yes	Yes
J20	1	4P_FAN_CONN	-	-	4P_FAN_CONN	MOLEX	74099-1004	Yes	Yes
J21	1	CON/POWER	-	-	CON/POWER	CAMDEN	CTB5000/2	Yes	Yes
J22	1	USB	-	-	USB_RECPTACLE_B	FCI	61729-0010BLF	Yes	Yes
J23	1	CON/POWER4	-	-	CON/POWER4	CAMDEN	CTB5000/2 (x2)	Yes	Yes
J24	1	4P_FAN_CONN	-	-	4P_FAN_CONN	MOLEX	74099-1004	Yes	Yes
J25	1	PCI_BOARDEDGE_PLUG	-	-	PCI_BOARDEDGE_PLUG	-	Not a Physical Component	Yes	Yes
J26	1	4P_FAN_CONN	-	-	4P_FAN_CONN	Wieson Technologies	2366C888-007	Yes	Yes
J27	1	4P_FAN_CONN	-	-	4P_FAN_CONN	Wieson Technologies	2366C888-007	Yes	Yes
J28	1	4P_FAN_CONN	-	-	4P_FAN_CONN	Wieson Technologies	2366C888-007	Yes	Yes
J29	1	4P_FAN_CONN	-	-	4P_FAN_CONN	Wieson Technologies	2366C888-007	Yes	Yes
Q1	1	2N3904	-	-	TO-92	ON Semiconductor	2N3904ZL1G	No	Yes
Q2	1	2N3904	-	-	TO-92	ON Semiconductor	2N3904ZL1G	No	Yes
Q3	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q4	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q5	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q6	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q7	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q8	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q9	1	NDT3055T	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
R1	1	RES	10k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 10K	Yes	Yes
R2	1	RES	2k2	1%	0603	MULTICOMP	MC 0.063W 0603 1% 2K2	Yes	Yes
R3	1	RES	2k2	1%	0603	MULTICOMP	MC 0.063W 0603 1% 2K2	Yes	Yes
R4	1	RES	10k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 10K	Yes	Yes
R5	1	RES	0R	0%	0603	MULTICOMP	MC 0.063W 0603 0R	Yes	Yes
R6	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R7	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R8	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R9	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R10	1	RES	91K	1%	0805	MULTICOMP	MC 0.1W 0805 1% 91K	Yes	Yes
R11	1	VRES	10k	10%	VRES_SMD	BOURNS	3214W-1-103E	Yes	Yes

R12	1	VRES	10k	10%	VRES_SMD	BOURNS	3214W-1-103E	Yes	Yes
R13	1	VRES	10k	10%	VRES_SMD	BOURNS	3214W-1-103E	Yes	Yes
R14	1	VRES	10k	10%	VRES_SMD	BOURNS	3214W-1-103E	Yes	Yes
R15	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R16	1	RES	5k1	1%	0805	MULTICOMP	MC 0.1W 0805 1% 5K1	Yes	Yes
R17	1	RES	30k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 30K	Yes	Yes
R18	1	RES	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R19	1	RES	30k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 30K	Yes	Yes
R20	1	RES	5k1	1%	0805	MULTICOMP	MC 0.1W 0805 1% 5K1	Yes	Yes
R21	1	RES	56k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 56K	Yes	Yes
R22	1	RES	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R23	1	RES	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R24	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R25	1	RES	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R27	1	RES	100k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 100K	Yes	Yes
R28	1	RES	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R29	1	RES	100k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 100K	Yes	Yes
R30	1	RES	10k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 10K	Yes	Yes
R31	1	RES	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R32	1	RES	2k2	1%	0603	MULTICOMP	MC 0.063W 0603 1% 2K2	Yes	Yes
R33	1	RES	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R34	1	RES-2W	82R	-	R2W	-	Wire Link	Yes	Yes
R35	1	RES-2W	47R	5%	Radial	PHOENIX PASSIVE COMPONENTS	PR02-47R 5%	Yes	Yes
R36	1	RES-2W	47R	5%	Radial	PHOENIX PASSIVE COMPONENTS	PR02-47R 5%	Yes	Yes
R37	1	RES	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R38	1	RES	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R39	1	RES-SIP6P5RSG	10k	± 2%	SIP-6P	BOURNS	4606X-101-103LF	Yes	Yes
R40	1	RES	5k1	1%	0805	MULTICOMP	MC 0.1W 0805 1% 5K1	Yes	Yes
R41	1	RES	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R42	1	RES	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R43	1	RES	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R44	1	RES	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R45	1	RES	100k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 100K	Yes	Yes
R46	1	RES	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R47	1	RES	100k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 100K	Yes	Yes
S1	1	SW-PUSH-SMD	24V	-	SW_PB_SMD_FSM	OMRON ELECTRONIC	B3S-1000	Yes	Yes
S2	1	SW6DIP	-	-	DIP12	OMRON ELECTRONIC	A6D6100	Yes	Yes
T1	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T2	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T3	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T4	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T5	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T6	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T7	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T8	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T9	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
T10	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
PWM1	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
PWM2	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
PWM3	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
PWM4	1	TESTPOINT	-	-	-	VERO	20-2137	Yes	Yes
U1	1	ADT7476	-	-	QSOP-24	ON Semiconductor	ADT7476ARQZ	No	Yes
U2	1	Low Voltage Dual SPST Switches	-	-	8-MSOP (0.118", 3.00mm)	Analog Devices	ADG821BRMZ	No	Yes
U3	1	CMOS Octal SPST Switch	-	-	24-TSSOP (0.173", 4.40mm)	Analog Devices	ADG715BRUZ	No	Yes
U4	1	CMOS Octal SPST Switch	-	-	24-TSSOP (0.173", 4.40mm)	Analog Devices	ADG715BRUZ	No	Yes
U5	1	24LC64	400kHz	-	SO8NB	MICROCHIP	24LC64-I/SN	Yes	Yes
U6	1	IC MCU USB PERIPH HI SPD 56SSOP	-	-	56-BSSOP, (0.295",	Cypress Semiconductor	CY7C68013A-56PVXC	No	Yes
U7	1	IC, REGULATOR +5.0V	-	-	-	ON Semiconductor	MC7805CTG	No	Yes

U8	1	Precision Low Dropout Voltage Regulator	-	-	8-SOIC (0.154", 3.90mm)	Analog Devices	ADP3303ARZ-3.3REEL	No	Yes
U10	DNP	ADT7468_SKT	-	-	QSOP24-SKT	ON Semiconductor	QSOP24-SKT	No	Yes
X1	1	FAN 5VDC 145MA 34.5MM MPU FLAT	-	-	34.5MM MPU FLAT	Panasonic - NMB-MAT	UDQFC3E08-PI	Yes	Yes
X2	DNP	FAN 5VDC 145MA 34.5MM MPU FLAT	-	-	-	-	-	Yes	Yes
Y1	1	CRYSTAL, 24.000000MHZ	24 MHz	-	-	AEL CRYSTALS	X24M000000L331	Yes	Yes