



Bill of Materials for the ADT7475EBEV Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C2	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C3	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C4	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C5	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C6	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C7	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C8	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C10	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C11	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C12	1	CAPACITOR, CASE A 0.33UF 35V	.33uF	10%	1205	AVX	TAJA334K035RNJ	Yes	Yes
C13	1	CAPACITOR, CASE A 10UF 10V	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C14	1	CAPACITOR, CASE A 10UF 10V	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C15	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C16	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C17	1	CAPACITOR, CASE A 10UF 10V	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C18	1	CAPACITOR, CASE A 10UF 10V	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C19	1	CAPACITOR, CASE A 10UF 10V	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C20	1	CAPACITOR, CASE A 10UF 10V	10uF	10%	1206	AVX	TAJA106K010RNJ	Yes	Yes
C21	1	CAPACITOR, CASE A 2.2UF 10V	2.2uF	10%	1206	AVX	TAJA225K010RNJ	Yes	Yes
C22	DNP	Multilayer Ceramic Capacitor (0805 case)	-	-	0805	-	-	Yes	Yes
C23	DNP	Multilayer Ceramic Capacitor (0805 case)	-	-	0805	-	-	Yes	Yes
C24	DNP	Multilayer Ceramic Capacitor (0805 case)	-	-	0805	-	-	Yes	Yes
C25	DNP	Multilayer Ceramic Capacitor (0805 case)	-	-	0805	-	-	Yes	Yes
C26	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C27	1	CAPACITOR, 0603 22PF 50V,NPO	22pF	5%	0603	MULTICOMP	U0603C220JCT	Yes	Yes
C28	1	CAPACITOR, 0603 22PF 50V,NPO	22pF	5%	0603	MULTICOMP	U0603C220JCT	Yes	Yes
C29	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C30	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C31	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C32	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
C33	1	CAPACITOR, 0603 100NF 25V	0.1uF	(+80% -20%)	0603	MULTICOMP	T0603F104ZCT	Yes	Yes
D1	1	DIODE, ZENER 250MW 3.3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D2	1	DIODE, ZENER 250MW 3.3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D3	1	LED, SMD SUPER RED	2V	-	-	OSRAM	LST676-Q1R2-1-1-Z	Yes	Yes
D4	1	DIODE, ZENER 250MW 3.3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D5	1	DIODE, ZENER 250MW 3.3V	3V	-	SOT-23	NXP	BZX84-C3V0	Yes	Yes
D6	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D7	1	LED, GREEN SMD PLCC-2	3.2V	-	3.5x2.8x1.9mm	Hebei IT Ltd	PLCC2KGCT	Yes	Yes
D8	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D9	1	LED, SMD SUPER RED	2V	-	-	OSRAM	LST676-Q1R2-1-1-Z	Yes	Yes
D10	1	DIODE, SCHOTTKY	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D11	1	DIODE, SCHOTTKY	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D12	1	DIODE, SCHOTTKY	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D13	1	DIODE, SCHOTTKY	40V	-	-	STMicroelectronics	TMMBAT48	Yes	Yes
D14	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes

D15	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D16	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D17	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D18	1	SMD Rectifier Diode, 50V, 1A,	1.1V	-	MELF (DL-41)	Micro Commercial	DL4001-TP	Yes	Yes
D19	1	DIODE, SCHOTTKY SOT-23	-	-	SOT-23	DIODES INC	ZHCS750	Yes	Yes
D20	1	DIODE, SCHOTTKY SOT-23	3.6V	-	SOT-23	NXP	BZX84-C3V6	Yes	Yes
D21	1	LED, GREEN SMD PLCC-2	3.2V	-	3.5x2.8x1.9mm	Hebei IT Ltd	PLCC2KGCT	Yes	Yes
D22	1	DIODE, SCHOTTKY SOT-23	-	-	SOT-23	DIODES INC	ZHCS750	Yes	Yes
D23	1	DIODE, SCHOTTKY SOT-23	-	-	SOT-23	DIODES INC	ZHCS750	Yes	Yes
D24	1	LED, GREEN SMD PLCC-2	3.2V	-	3.5x2.8x1.9mm	Hebei IT Ltd	PLCC2KGCT	Yes	Yes
D25	1	DIODE, SCHOTTKY SOT-23	3.6V	-	SOT-23	NXP	BZX84-C3V6	Yes	Yes
D26	1	DIODE, SCHOTTKY SOT-23	3.6V	-	SOT-23	NXP	BZX84-C3V6	Yes	Yes
FAN1	1	FAN 5VDC 145MA 34.5MM MPU FLAT	-	-	34.5MM MPU FLAT	Panasonic - NMB-MAT	UDQFC3E08-PI	Yes	Yes
FAN2	DNP	FAN 5VDC 145MA 34.5MM MPU FLAT	-	-	-	-	-	Yes	Yes
J1	1	CONN HEADER .100 VERT 4POS SMD	-	-	-	Molex	74099-1004	Yes	Yes
J2	1	SOCKET, 0.1"e PCB 6 WAY	-	-	-	HARWIN	M20-7890646	Yes	Yes
J3	1	CONN HEADER 3POS 1.25MM VERT TIN	-	-	-	Molex	530470310	Yes	Yes
J4	1	CONN HEADER 3POS .100 VERT TIN	-	-	-	Molex	22232031	Yes	Yes
J5	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J6	1	CONN HEADER 3POS 1.25MM VERT TIN	-	-	-	Molex	530470310	Yes	Yes
J7	1	CONN HEADER 3POS .100 VERT TIN	-	-	-	Molex	22232031	Yes	Yes
J8	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J9	1	CONN HEADER 3POS 1.25MM VERT TIN	-	-	-	Molex	530470310	Yes	Yes
J10	1	CONN HEADER 3POS .100 VERT TIN	-	-	-	Molex	22232031	Yes	Yes
J11	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J12	1	CONN HEADER 3POS 1.25MM VERT TIN	-	-	-	Molex	530470310	Yes	Yes
J13	1	CONN HEADER 3POS .100 VERT TIN	-	-	-	Molex	22232031	Yes	Yes
J14	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J15	1	CONN HEADER .100 VERT 4POS SMD	-	-	-	Molex	74099-1004	Yes	Yes
J16	1	CONN HEADER PIN RT/ANG 4POS TIN	-	-	5.08mm Pitch	TE CONNECTIVITY	641737-1	Yes	Yes
J17	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J18	1	SOCKET, PCB DC POWER 2.1MM	-	-	-	CLIFF ELECTRONIC	DC10A	Yes	Yes
J20	1	CONN HEADER .100 VERT 4POS SMD	-	-	-	Molex	74099-1004	Yes	Yes
J21	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J22	1	SOCKET, USB-B SINGLE	-	-	-	FCI	61729-0010BLF	Yes	Yes
J23	1	TERMINAL BLOCK, PCB 2 WAY	-	-	-	CAMDEN	CTB5000/2	Yes	Yes
J24	1	CONN HEADER .100 VERT 4POS SMD	-	-	-	Molex	74099-1004	Yes	Yes
J25	1	GENERIC 4 PIN SIP HEADER .100 CENTERS	-	-	-	Wieson Technologies	2366C888-007	Yes	Yes
J27	1	GENERIC 4 PIN SIP HEADER .100 CENTERS	-	-	-	Wieson Technologies	2366C888-007	Yes	Yes
J28	1	GENERIC 4 PIN SIP HEADER .100 CENTERS	-	-	-	Wieson Technologies	2366C888-007	Yes	Yes
J29	1	GENERIC 4 PIN SIP HEADER .100 CENTERS	-	-	-	Wieson Technologies	2366C888-007	Yes	Yes
PWM1	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
PWM2	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
PWM3	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
Q1	1	GENERAL PURPOSE NPN SILICON TRANSISTOR	-	-	-	ON Semiconductor	2N3904ZL1G	Yes	Yes
Q2	1	GENERAL PURPOSE NPN SILICON TRANSISTOR	-	-	-	ON Semiconductor	2N3904ZL1G	Yes	Yes
Q3	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q5	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q6	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q7	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q9	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q11	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
Q12	1	MOSFET, N SOT-223	-	-	SOT223	FAIRCHILD	NDT3055L	Yes	Yes
R2	1	RESISTOR, 0603 2K2	2k2	1%	0603	MULTICOMP	MC 0.063W 0603 1% 2K2	Yes	Yes
R3	1	RESISTOR, 0603 2K2	2k2	1%	0603	MULTICOMP	MC 0.063W 0603 1% 2K2	Yes	Yes

R4	1	RESISTOR, 0603 10K	10k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 10K	Yes	Yes
R5	1	RESISTOR, 0603 0R0	0R	0%	0603	MULTICOMP	MC 0.063W 0603 0R	Yes	Yes
R6	1	RESISTOR, 0805 1K	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R7	1	RESISTOR, 0603 10K	10k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 10K	Yes	Yes
R8	1	RESISTOR, 0805 10K	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R10	1	RESISTOR, 0805 91K	91K	1%	0805	MULTICOMP	MC 0.1W 0805 1% 91K	Yes	Yes
R11	1	TRIMMER, SMD 5 TURN 10K	10k	10%	-	BOURNS	3214W-1-103E	Yes	Yes
R12	1	RESISTOR, 0805 10K	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R13	1	RESISTOR, 0805 1K	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R14	1	RESISTOR, 0805 5K1	5k1	1%	0805	MULTICOMP	MC 0.1W 0805 1% 5K1	Yes	Yes
R15	1	RESISTOR, 0805 1K	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R16	1	RESISTOR, 0805 5K1	5k1	1%	0805	MULTICOMP	MC 0.1W 0805 1% 5K1	Yes	Yes
R17	1	RESISTOR, 0805 30K	30k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 30K	Yes	Yes
R18	1	RESISTOR, 0805 100K	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R19	1	RESISTOR, 0805 30K	30k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 30K	Yes	Yes
R20	1	RESISTOR, 0805 5K1	5k1	1%	0805	MULTICOMP	MC 0.1W 0805 1% 5K1	Yes	Yes
R21	1	RESISTOR, 0805 56K	56k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 56K	Yes	Yes
R22	1	RESISTOR, 0805 100K	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R23	1	RESISTOR, 0805 0R0	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R24	1	RESISTOR, 0805 0R0	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R25	1	RESISTOR, 0805 0R0	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R26	1	RESISTOR, 0805 0R0	0R	0%	0805	MULTICOMP	MC 0.1W 0805 0R	Yes	Yes
R27	1	RESISTOR, 0603 100K	100k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 100K	Yes	Yes
R28	1	RESISTOR, 0805 100K	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R29	1	RESISTOR, 0603 100K	100k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 100K	Yes	Yes
R30	1	RESISTOR, 0603 10K	10k	1%	0603	MULTICOMP	MC 0.063W 0603 1% 10K	Yes	Yes
R31	1	RESISTOR, 0805 100K	100k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 100K	Yes	Yes
R32	1	RESISTOR, 0603 2K2	2k2	1%	0603	MULTICOMP	MC 0.063W 0603 1% 2K2	Yes	Yes
R33	1	RESISTOR, 0805 1K	1k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 1K	Yes	Yes
R34	1	RES BODY:340 CENTERS:1000	-	-	-	-	Wire Link	Yes	Yes
R35	1	RESISTOR, PRO2 5% 47R, 2W	47R	5%	Radial	PHOENIX PASSIVE COMPONENTS	PR02-47R 5%	Yes	Yes
R36	1	RESISTOR, PRO2 5% 47R, 2W	47R	5%	Radial	PHOENIX PASSIVE COMPONENTS	PR02-47R 5%	Yes	Yes
R37	1	RESISTOR, 0805 10K	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
R38	1	RESISTOR, 0805 10K	10k	1%	0805	MULTICOMP	MC 0.1W 0805 1% 10K	Yes	Yes
S1	1	SMD Push Button Switch (sealed 6mm x 6mm)	24V	-	-	OMRON ELECTRONIC	B3S-1000	Yes	Yes
T1	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T2	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T3	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T4	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T5	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T6	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T7	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T8	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T9	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
T10	1	TERMINAL, PCB RED	-	-	-	VERO	20-2137	Yes	Yes
U1	1	System Monitor & Fan Controller	-	-	QSOP-16	ON Semiconductor	ADT7475ARQZ-REEL	No	Yes
U2	1	Low Voltage Dual SPST Switches	-	-	8-MSOP (0.118", 3.00mm Width)	Analog Devices	ADG821BRMZ	No	Yes
U3	1	CMOS Octal SPST Switch	-	-	24-TSSOP (0.173", 4.40mm Width)	Analog Devices	ADG715BRUZ	No	Yes
U4	1	CMOS Octal SPST Switch	-	-	24-TSSOP (0.173", 4.40mm Width)	Analog Devices	ADG715BRUZ	No	Yes
U6	1	IC MCU USB PERIPH HI SPD 56SSOP	-	-	56-BSSOP, (0.295", 7.50mm Width)	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 Width)	Analog Devices	ADP3303ARZ-3.3REEL	No	Yes
U9	DNP	16 Pin QSOP Socket	-	-	-	-	-	Yes	Yes
U10	1	IC SERIAL EEPROM 64K 2.5V 8-SOIC	-	-	-	MICROCHIP	24LC64-I/SN	Yes	Yes
Y1	1	CRYSTAL, 24.000000MHZ	24 MHz	-	-	AEL CRYSTALS	X24M000000L331	Yes	Yes