

Bill of Materials: JTGAD-EHDW-04

Internal Part Number	Description	Designator	Quantity	Comment	Manufacturer	Manufacturer Part Number	Digi-Key Part Number
100242	CABLE USB A TO MICRO A/B		2				
100130	CAP CER 0.1uF 10% X5R 25V 0603 SMT	C4, C6, C10, C12	4	0.1uF	TDK	C1608X7R1E104K	445-1316-2-ND
100006	CAP CER 10uF 10V X5R 0805	C5, C11	2	10uF 0805	Taiyo	LMK212BJ106KG-T	587-1300
100009	CAP CER 1uF 10% X5R 16V 0603 SMT	C1, C2	2	1uF	Taiyo Yuden	EMK107BJ105KA-T	587-1251-2-ND
100011	CAP CER 33000PF 25V X7R 0603	C3, C9	2	33nF	TDK	C1608X7R1E333K	445-5106-1-ND
100146	CAP CER 47PF 50V COG 5% 0603	C7, C8, C13, C14	4	47pF	Kemet	C0603C470J5GAC TU	445-1277-2-ND
100298	CONN 0.100" 2x2	J3, J11, J12	3	2X2 0.100"	FCI	67997-404HLF	609-3242-ND
100218	CONN HEADER 2.54MM 14POS GOLD	J8	1	JTAG MSP430	Sullins	SBH11-PBPC-D07-ST-BK	59170-ND
100024	CONN HEADER 20POS 2.54MM GOLD	J6	1	JTAG/SWD ARM	Sullins	SBH11-PBPC-D10-ST-BK	59172-ND
100303	CONN HEADER MALE 10POS 2X5 0.100"	J7	1	TC2050 HEADER	FCI	67997-410HLF	609-3243-ND
100026	CONN JUMPER BLOCK 2POS 0.100"		8		Sullins	S9000-ND	S9000-ND
100234	CONN RCPT USB TYPE A R/A PCB	J4	1	USB A Female	Assmann	AU-Y1005-2-R	AE10331-ND
100254	CONN TERMINAL FEMALE 14POS 7X2 1.27MM	J5	1	JTAG/SERIAL	FCI	20021321-00014T4LF	609-3771-ND
100287	CONN USB RCPT MICRO AB R/A SMT WITH LEGS	J1, J2	2	MICRO B	FCI	10118193-0001LF	609-4616-2-ND
100039	DIODE SCHOTTKY 1A 40V SOD123	D4, D8	2	1N5819	Diodes Inc.	1N5819HW-7-F	1N5819HW-FDITR-ND
100299	HEADER 3POS 0.1" VERTICAL	J9, J10	2	CONN SIP 3	Harwin Inc	M20-9990346	952-2264-ND
100049	IC LDO REG 300MA ADJ-V SOT23-5	U1	1	MCP1824	Microchip	MCP1824T-ADJE/OT	MCP1824T-ADJE/OTCT-ND
100225	IC USB DUAL ESD PROTECT 6TSOP	U4	1	IP4220CZ6,125	NXP	IP4220CZ6,125	568-3529-6-ND
100251	IC USB SERIAL BASIC UART 16SSOP	U2, U3	2	FT230XS-R	FTDI	FT230XS-R	768-1135-1-ND
100107	LED 0603 BLUE 470NM WTR CLR SMD	D1, D7, D11	3	BLU 0603	Kingbright	APT1608QBC/D	754-1434-1-ND
100065	LED 0603 GREEN CLEAR SMD	D2, D5, D9	3	GRN 0603	Kingbright	APT1608SGC	754-1121-2-ND
100067	LED 0603 RED CLEAR SMD	D3	1	RED 0603	Kingbright	APT1608SRCPRV	754-1122-2-ND
100068	LED 0603 YELLOW CLEAR SMD	D6, D10	2	YLW 0603	Kingbright	APT1608SYCK	754-1124-1-ND
100215	PCB BARE	JTGAD-EHDW-04	1				
100075	RES 0.0 OHM 1/10W 1% 0603 SMD	R9, R15	2	0R	Vishay	CRCW06030000Z0EA	541-0.0GTR-ND
100076	RES 1.2K OHM 1/10W 1% 0603 SMD	R1, R3	2	1.2k	Rohm	MCR03EZPJ122	RHM1.2KGCT-ND
100078	RES 100K OHM 1/10W 1% 0603 SMD	R4, R6, R21, R22, R	6	100k	Yageo	RC0603FR-07100KL	311-100KHRTR-ND
100079	RES 10K OHM 1/10W 1% 0603 SMD	R7, R8, R10, R16	4	10k	Vishay	CRCW060310K0FKEA	RHM10KGCT-ND
100086	RES 33 OHM 1/10W 1% 0603 SMD	R13, R14, R19, R20	4	33R	Vishay	CRCW060333R0FKEA	RHM33GCT-ND
100098	RES 390 OHM 1/10W 1% 0603	R2, R11, R12, R17,	5	390R	Yageo	RC0603FR-07390RL	311-390HRTR-ND
100087	RES 698K OHM 1/10W 1% 0603 SMD	R5	1	698k	Yageo	RC0603FR-07698KL	311-698KHRCT
100278	SWITCH TACT JLEAD 6X6MM SMT	S1	1	TL3301	E-Switch	TL3301AF160QJ	EG4374TR-ND