



USBDEV_JS_0

Bill of Materials

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Description	Manufacturer references	Quantity	Design references
Connector USB SMD-Receptacle B-Type	Kycon : KUSBX-SMT-BS1N-B	1	X2
Connector Header, press fit, 2x8pin, straight RM2.54, Y=6.7mm	EPT 972-08009-21, NB!!	1	X1
EMI Filter, 0.35R,0.2A,200R/100MHz, 0805 -55-+125°	MuRata : BLM21BB201SN1D	2	L2-3
EMI Filter, 0.05R, 2A, 220R/100MHz, 0805-55-+125°	MuRata : BLM21PG221SN1	1	L5
Capacitor 100nF, 0603, 16V, X7R, 10%, -55-+125°	AVX : 0603YC104KAT2A	5	C2-5;C7
	Kemet : C0603C104K4RAC		
	Samsung : CL10B104KO5NNNC		
Capacitor 1µF, 0603, 6.3V, X5R, 10%, -40-+85°	Murata : GRM188R60J105 KA01D (6.3V)	2	C1;C6
	Murata : GRM188R61A105KA01L (10V)		
	Murata : GRM188R61C105KA12D (16V)		
Resistor 0R0, 1206, 2.5A, -55-+150°	Panasonic : ERJ8GEY0R00V	1	R7
	Vishay : D25/CRCW1206 0R ET1 E3		
	Yageo : RC1206FR-07JumperL		
Resistor 0R0, 0603, 1A, -55-+125°	Panasonic : ERJ3GEOR003V	2	R11;R13
	Vishay : D11/CRCW0603 0R ET1 E3		
	Yageo : RC0603FR-070RL		
Resistor 2k2, 0603, 1%, 63mW, -55-+125°	Panasonic : ERJ3EKF2201V	5	R1-4;R10
	Vishay : D11/CRCW0603 200 2K2 1% ET1 E3		
	Yageo : RC0603FR-072K2L		
Resistor 22R, 0603, 1%, 63mW, -55-+125°	Panasonic : ERJ3EKF22R0V	2	R8-9
	Vishay : D11/CRCW0603 200 22R 1% ET1 E3		
	Yageo : RC0603FR-0722RL		

Description	Manufacturer references	Quantity	Design references
Resistor 590K, 0805, 1%, 125mW, -55-+125°	Vishay : D12 100 590K 1% P5 Vishay/DALE : CRCW08055903FKEDE3	1	R15
Flat Ribbon Cable, 16pin 2xSocket Plug, RM2.54x2.54, L=100mm	ES&S : FORTH-TK02911	1	KB1
Diode Schottky BAT64-05, SOT23, double	Infineon : BAT64-05 E6327	1	V1
Diode Zener, 5.6V, SOT23, 2%, 250mW -65-+150°	Vishay : BZX84B5V6-V-GS08 ON Semi : BZX84B5V6LT1G NXP (Philips) : BZX84-B5V6	1	V3
Transceiver USB, MAX3454E, TSSOP14, 3.3V, -40-+85°, 15KV ESD	Maxim : MAX3454EEUD+	1	U1
Memory EEPROM 24C64, 8KB, I ² C, SO8, 400 kHz, -40-+85°	ST : M24C64-WMN6P, Microchip : 24LC64-I/SNG	1	U2
Logic Gate 2-Input NAND, SC70-5, -40-+85°	Fairchild : NC7S00P5X_NL TI : SN74AHC1G00DCKR	1	U3
Analog Mux/Demux Switch FSAL200 Quad 2:1 QSOP16, -40-+85°	Fairchild : FSAL200QSC	1	U4