

Bill of Materials

Bill of Materials for BOM Document [parallella_schematic.BomDoc]

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Footprint	Name	LibRef	Designator	Description	Quantity
CONN_BSH6	BSH-030-01-F-D	CON_BSH_030	J8, J9, J11, J13		4
PTH125_200	PTH125_200PA	PTH125_200PA	PTH1, PTH2, PTH3, PTH4		4
SC_70_6PSM	NC7WZ16	NC7WZ16	U5, U11, U14		3
SOT_5PIN	NC75Z125	NC75Z125	U33, U36		2
C0402	0.047uF	CAP0402_0P047	C104, C105, C106, C107, C108, C109,	CAP, 0402, 0.047UF, X5R, 25V	12
C0402	0.1uF	CAP0402_0P1U	C7, C9, C10, C11, C16, C24, C25, C26,	CAP, 0402, 0.1UF, X5R, 35V	70
C0402	0.47UF	CAP0402_0P47	C14, C15, C20, C21, C22, C75, C76, C77,	CAP, 0402, 0.47UF, X5R, 16V	68
C0402	2.2uF	CAP0402_2P2U	C57, C66	CAP, 0402, 2.2UF, X5R, 6.3V	2
C0402	4.7uF	CAP0402_4P7U	C13, C18, C19, C72, C73, C74, C97, C98,	CAP, 0402, 4.7UF, X5R, 6.3V	31
C0402	6pF	CAP0402_6PF	C54, C61, C62, C85	CAP, 0402, 6PF, NPO, 50V	4
C0402	10nF	CAP0402_10NF	C23, C82, C95, C198, C200, C202, C204,	CAP, 0402, 10NF, X7R, 16V	18
C0603	1uF	CAP1UF_X5R	C251, C252, C254	CAP, 0603, 1UF, X5R, 16V	3
C0603	4.7uF	CAP0603_4P7U	C63, C287	CAP, 0603, 4.7UF, X5R, 16V	2
C0603	10uF	CAP0603_10UF	C33, C34, C38, C40, C48, C49, C53, C172,	CAP, 0603, 10UF, X5R, 10V	13
C0805	10uF	CAP0805_10UF	C238, C241, C243, C245, C247, C248,	CAP, 0805, 10UF, X5R, 16V	10
C0805	6800PF	CAP0805_6800P	C236, C237	CAP, 0805, 6800PF, X7R, 100V	2
C1210	100uF	CAP1210_100U	C12, C17, C70, C71, C84, C134, C143,	CAP, 1210, 100UF, X5R, 6.3V, LOW ESR	17
DC_PWR_JC	PJ-002A	CON_POWER	J12	CON, PWR, BARREL, PCB, PJ002A_TH	1
HDMI_MICR	HDMI_MICRO_D	HDMI_MICRO_D	J10	CONN, HDMI, RCPT, MICRO D, RA, SMT	1
SDMICRO_8	MicroSD_CARD	CONN_MICROS	J3	CONN, MICRO SD CARD, PUSH-PUSH	1
USB_MICRO	USB_MICRO_A	USB_MICRO_A	J6	CONN, USB, RCPT, MICRO AB, RA, SMT	1
USB_MICRO	USB_MICRO_B	USB_MICRO_B	J7	CONN, USB, RCPT, MICRO B, RA, SMT	1
SOD-523	2mA_75V	DIODE_BAS16X	D1	DIODE, SWITCH, 200mA, 75V, SOD523	1
FBEAD_0402	120-	BLM15AG121SN	FB3, FB4, FB5, FB6, FB7, FB14, FB15,	FERRITE, BEAD, 0402, 120 OHM@	10
BEAD_0603	120-OHM_3A	BLM18SG121TN	FB1, FB2, FB12	FERRITE, BEAD, FILTER, 0603, 3A	3
F0603	4A	FUSE0603_4A	F1	FUSE, 4A, 32V, FAST, 0603	1
HDR_1X2_T	HDR_1X2_TH_V	HDR_1X2_TH_V	J15	HDR, 1ROW, 2POS, VERT, TH, 1X2	1
HDR_1X3_T	HDR_1X3_TH_V	HDR_1X3_TH_V	J2, J14	HDR, 1ROW, 3POS, VERT, TH, 1X3, 0.100	2
BGA324_155	T6-CORE	EPiPHANY_E16	U23	IC, T6-CORE MICROPROCESSOR,	1
TSSOP8_35	VOLT_MONITOR	VOLTMON_4IN	U34	IC, SUPPLY MONITOR, 4 INPUTS, TSSOP8	1
BGA136_11	DDR3_256MX32	DDR3_256MX32	U20	IC, DDR3, 8Gb, 256Mx32, BGA136	1
TQFN16_4S	DC-TO-DC_PWR	IC_ISL9305_DC	U30	IC, dual step-down converters + dual LDOs,	1
TQFN16_4S	DC-TO-DC_PWR	IC_ISL9307_DC	U29	IC, dual step-down converters + dual LDOs,	1
CBGA400_17	Z7202-CLG400	ZYNQ_Z7202_C	U2	IC, EPP, XILINX, ZYNQ, Z7202, CLG400	1
QFN48_75Q	88E1318_1.8V	88E1318_QFN4	U9	IC, GIGE PHY, QFN48	1
TSSOP24_6P	ESD PROT &	TPD12S016	U37	IC, HDMI ESD PROT AND LEVEL SHIFT,	1
LOFP64_10S	HDMI/DVI_XMTR	HDMI_DVI_XCV	U26	IC, HDMI/DVI TRANSMITTER, PQFP64	1
QFN-	DIFF LINE	SN65LVDS4	U38	IC, LINE RECEIVER, DIFFERENTIAL LVDS,	1
TSSOP8_3X4	CLOCK	IC_S151219	U35	IC, PROGRAMMABLE CLOCK GEN, 3	1
SOIC8_33P9	USB_PWR_DIST	MIC2025_1_US	U13	IC, USB DISTRIBUTION SW, 1 CH, SOIC8	1
QFN32_55Q	USB_ULPI_XCV	USB3320_ULPI	U12, U17	IC, USB ULPI XCVR, SINGLE SUPPLY,	2
IND2_2X2P5	1.5uH	IND_1PSUH_2A	L8, L9, L10, L11	IND, 1.5uH, 2A	4
LED_0603	GREEN	LED_0603_5MA	CR4, CR6, CR8, CR10	LED, 0603, 5MA, SMT, GREEN	4
LED_0603	RED	LED_0603_5MA	CR1, CR5	LED, 0603, 5MA, SMT, RED	2
TP55	BLACK	TEST_TERM_BL	TP12, TP14	PC Test Point Miniature	2
TP55	RED	TEST_TERM_R	TP13, TP15	PC TEST POINT MINIATURE	2
R0402	0	RES0402_0	R59, R60, R71, R74, R75, R76, R77, R78,	RES, 0402, 0 OHM, 1%	39
R0402	1K	RES0402_1K	R11, R28, R62, R63, R66, R67, R69, R70,	RES, 0402, 1K	24
R0402	4.75K	RES0402_4K75	R4, R8, R9, R10, R12, R18, R19, R20, R21,	RES, 0402, 4.75K, 1%	31
R0402	4.99K	RES0402_4K99	R79	RES, 0402, 4.99K, 1%	1
R0402	8.06K	RES0402_8K06	R90, R106	RES, 0402, 8.06K	2
R0402	10	RES0402_10	R325	RES, 0402, 10, 1%	1
R0402	10K	RES0402_10K	R103, R240, R241, R242, R243, R244,	RES, 0402, 10K	20
R0402	20K	RES0402_20K	R43, R45, R46, R47, R48, R49, R50, R51,	RES, 0402, 20K	9
R0402	22.1	RES0402_22R1	R41, R42, R44, R55, R56, R82, R94, R99,	RES, 0402, 22.1, 1%	10
R0402	27.4K	RES0402_27K4	R225	RES, 0402, 27.4K	1
R0402	33	RES0402_33	R32, R302, R303, R304, R305, R306, R307,	RES, 0402, 33, 1%	24
R0402	56.2K	RES0402_56K2	R281	RES, 0402, 56.2K	1
R0402	80.6	RES0402_80P6	R112, R113, R115	RES, 0402, 80.6, 1%	3
R0402	100	RES0402_100	R72, R73, R180, R181, R182, R183, R184,	RES, 0402, 100, 1%	52
R0402	240	RES0402_240	R1, R3, R30, R89, R119, R120	RES, 0402, 240, 1%	6
R0402	620	RES0402_620	R84, R100, R288	RES, 0402, 620, 1%	3
R0402	887	RES0402_887	R224	RES, 0402, 887	1
R0603	24.9K	RES0603_24K9	R278	RES, 0603, 24.9K	1
R0603	69.8K	RES0603_69K8	R282	RES, 0603, 69.8K	1
R0603	100K	RES0603_100K	R279	RES, 0603, 100K	1
RJ45_17PINS	RJ-45	RJ45-	J5	RJ45 JACK, INTEGRATED MAG AND LED	1
VPDFN-	SPI-FLASH-	IC_SPI_FLASH	U7	SPI FLASH, QUAD, 128M-BIT, VPDFN8,	1
SWITCH_2P5	SW_PB_VERT	SW_PB_SPST_2	SW2	SW, PUSHBUTTON, SPST, NORMALLY	1
OSC4_1P6X2	24MHZ	CRYSTAL_4P_2	Y1	XTAL, 2X1.6MM, 24MHZ, 4PIN, SMT	1
OSC4_1P6X2	25MHZ	XTAL_4P_25MH	Y2	XTAL, 2X1.6MM, 25MHZ, 4PIN, SMT	1

Approved	Notes