A20-OLINUXINO-MICRO_Rev_L.sch at 27.02.2018 16:31:51

Qty	Value	Device	Parts
1	0.03R/1%	R-EU_R1206_5MIL_WS	R59
4	0R(Board_Mounted)	R_0R0R(NA)	R24, R34, R69, R87
2	1.1k/1%	R-EU_R0603_5MIL_DWS	R90, R92
2	1N5819(S4SOD-123)	SCHOTKKY7.62SS-1N5819(S4SOD-123)	D1, D3
3	1N5822/SS34/SMA	SCHOTKKY7.62SS2	D2, D4, D6
12	1R	R-EU_R0603_5MIL_DWS	R3, R31, R51, R53, R60, R62, R63, R66, R68, R71, R72, R74
8	1nF	C-EUC0603_DWS	C127, C129, C131, C132, C160, C165, C182, C218
1	1nF/2kV/X7R/1206	C-EUC1206_5MILS_WS_ISO	C95
7	1uF/6.3V	C-EUC0603_DWS	C73, C91, C110, C146, C150, C167, C174
21	2.2k/1%	R-EU_R0603_5MIL_DWS	R1, R2, R4, R6, R8, R32, R37, R39, R57, R65, R70, R73, R75, R76, R81, R82, R83, R86, R93, R94, R120
6	2.2uF/50V	C-EUC0805_5MIL_DWS	C202, C203, C241, C242, C243, C244
6	2.2uH/1.5A/DCR<0.1R/CD32	L-CD32	L12, L13, L14, L18, L20, L21
1	3.3nF	C-EUC0603_DWS	C163
2	3.9k/1%	R-EU_R0603_5MIL_DWS	R48, R55
4	4.99k/1%	R-EU_R0603_5MIL_DWS	R42, R61, R89, R138
1	6.81k/1%	R-EU_R0603_5MIL_DWS	R96
2	8.25k/1%	R-EU_R0603_5MIL_DWS	R88, R97
1	10M	R-EU_R0402_TI	R139
14	10k	R-EU_R0603_5MIL_DWS	R10, R20, R30, R33, R38, R44, R46, R47, R54, R98, R105, R136, R137, R152
4	10nF	C-EUC0402_TI	C140, C141, C142, C143
22	10uF/6.3V	C-EUC0603_DWS	C112, C113, C121, C128, C136, C147, C148, C149, C151, C152, C156, C158, C159, C162, C164, C166, C172, C177, C178, C179, C180, C187
1	11k/1%	R-EU_R0603_5MIL_DWS	R99
1	12.1k/1%	R-EU_R0603_5MIL_DWS	R140
4	13k/1%	R-EU_R0603_5MIL_DWS	R45, R78, R80, R100
1	15uH/YS75	LLQH88PN100M38	L19
2	16.2k/1%	R-EU_R0603_5MIL_DWS	R77, R101
1	22.1k/1%	R-EU_R0603_5MIL_DWS	R102
5	22R	R-EU_R0402_TI	R118, R119, R133, R134, R135
2	22pF/50V/5%/COG/C0603	C-EUC0603_DWS	C97, C98
32	22uF/6.3V	C-EUC0603_DWS	C13, C56, C65, C66, C101, C103, C104, C105, C109, C115, C133, C138, C157, C168, C173, C186, C190, C193, C194, C198, C199, C204, C205, C206, C207, C209, C210, C211, C212, C216, C219, C220
1	27k	R-EU_R0603_5MIL_DWS	R110
6	33pF	C-EUC0603_DWS	C75, C76, C99, C100, C195, C208
6	47k	R-EU_R0603_5MIL_DWS	R27, R28, R52, R84, R95, R111
13	47uF/6.3V	C-EUC0805_5MIL_DWS	C123, C126, C135, C145, C217, C222, C223, C240, C245, C246, C247, C248, C249
8	49.9R/1%	R-EU_R0603_5MIL_DWS	R25, R43, R58, R103, R141, R142, R143, R149
7	100k/1%	R-EU_R0603_5MIL_DWS	R11, R17, R29, R40, R85, R91, R108
15	100nF	C-EUC0603_DWS	C64, C67, C72, C74, C92, C94, C122, C124, C125, C161, C170, C171, C176, C200, C221
1	150pF	C-EUC0603_DWS	C201
1	191R/1%	R-EU_R0603_5MIL_DWS	R64
3	200k/1%	R-EU_R0603_5MIL_DWS	R36, R56, R67
45	220nF	C-EUC0402_TI	C2, C3, C5, C7, C10, C11, C14, C15, C18, C19, C21, C22, C23, C24, C25, C26, C27, C57, C59, C60, C61, C62, C68, C69, C70, C77, C78, C79, C80, C82, C83, C84, C85, C86, C87, C102, C106, C134, C139, C155, C169, C175, C184, C189, C191
54	220nF	C-EUC0603_DWS	C1, C4, C6, C8, C9, C12, C16, C17, C20, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C58, C81, C111, C114, C117, C118, C119, C120, C224, C225, C226, C227, C228, C229, C230, C231, C232
7	330R/1%	R-EU_R0603_5MIL_DWS	R7, R9, R16, R41, R104, R150, R151
2	470nF	C-EUC0603_DWS	C192, C196
1	A20(TFBGA441)	A10	U1
1	AP1231-2.5V(SOT23-5)	AP1231-33	VR1
1	AT24C16BN-SH(SOIC-8)	24LCXX	U6
1	AXP209(QFN48)	AXP209	U12
1	BC846B(SOT23-3)	NPN-TRANSISTOR_SOT23	T1
3	BSS138(SOT23-3)	N-MOS+DIODBSS138(SOT23-3)	FET2, FET3, FET5
1	Closed	SJSJ_1_SMALLER_CLOSE_10MILS	NAND_E
1	DW02R	CON2DW02R	LIPO_BAT
1	DW02S	CON2DW02S	5V_SATA_PWR
9	FB0805/600R/2A	L-USL0805_5MIL_DWS	L4, L5, L6, L7, L11, L15, L16, L17, L22

Qty	Value	Package/Description	References
6	FIDUCIAL	FIDUCIAL	U4, U5, U18, U19, U20, U21
1	FSMD035	FUSE	FUSE1
2	GBH-254-SMT-10	ML10-(GBH-254-SMT-10)_TEST	UEXT1, UEXT2
4	GBH-254-SMT-40	ML40-GBH-254-SMT-40_TEST	GPIO-1, GPIO-2, GPIO-3, LCD_CON
1	HDMI-SWM-19	HDMI-MC34931HDMI-SWM-19_TEST	HDMI
1	HN1X4	CON4HN1X4	UART0
2	IRLML6402(SOT23-3)	P-MOS+DIODIRLML6402	FET1, FET4
1	LAN8710A-EZC-TR(QFN-32)	LAN8710A-EZC	U7
1	LED/GREEN/0603	LEDLED-0603_TEST	LED1
1	LED/RED/0603	LEDLED-0603_TEST	PWR_LED
1	LED/YELLOW/0603	LEDLED-0603_TEST	CHGLED
1	MICRO_SD/TFC-WPAPR-08	MICRO_SD/MMC_CP_NEWTEST_CREAM	SD/MMC1
1	MP1584EN(SOIC8E)	MP1584EN(SOIC8E)	U14
2	MT41K256M16HA-125:E(DDR3L-1600_11-11-11)	H5TQ2G63BFR_MEM4G16D3EABG-125PHIS	U2, U3
1	MT3608(SOT23-6)	SY7208	U16
4	NA	C-EUC0402_TI	C107, C108, C153, C154
5	NA	C-EUC0603_DWS	C71, C181, C183, C185, C188
1	NA	C-EUC1206_5MILS_WS_ISO	C93
2	NA	R-EU_R0402_SMALL	R12, R15
6	NA	R-EU_R0603_5MIL_DWS	R5, R22, R23, R49, R50, R153
11	NA(0R)	R-EU_R0402_TI	R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132
1	NA(0R)	R-EU_R0603_5MIL_DWS	R35
2	NA(2.2k/1%)	R-EU_R0603_5MIL_DWS	R13, R14
2	NA(2.2uF)	C-EUC0603_DWS	C116, C144
6	NA(2.2uF/6.3V)	C-EUC0603_DWS	C234, C236, C239, C251, C253, C255
13	NA(10k)	R-EU_R0603_5MIL_DWS	R18, R19, R21, R26, R112, R113, R115, R116, R117, R121, R144, R145, R154
1	NA(10uF/6.3V)	C-EUC0603_DWS	C63
4	NA(22R)	R-EU_R0402_TI	R114, R146, R147, R148
6	NA(22uF/6.3V)	C-EUC0603_DWS	C96, C197, C213, C214, C215, C256
1	NA(47k)	R-EU_R0603_5MIL_DWS	R109
2	NA(47uF/6.3V)	C-EUC0805_5MIL_DWS	C130, C137
1	NA(100k/1%)	R-EU_R0603_5MIL_DWS	R79
4	NA(100nF)	C-EUC0603_DWS	C88, C89, C90, C233
6	NA(220nF)	C-EUC0402_TI	C235, C237, C238, C250, C252, C254
2	NA(330R/1%)	R-EU_R0603_5MIL_DWS	R106, R107
1	NA(DW02S)	CON2DW02S	5V_PWR
4	NA(FB0805/600R/2A)	L-USL0805_5MIL_DWS	L1, L2, L8, L10
1	NA(H27UBG8T2BTR_or_MT29F64G08CBABAWP:BTR(8GB_NAND))	H27UBG8T2A	U8
1	NA(HN1x2)	CON2HN1X2	BKUP
1	NA(HN1x2)	JP1E	MIC2
1	NA(KLMAG2GEND-B031(FBGA153))	KLMAG2GEND-B031(FBGA153)	U26
1	NA(MTFC4GACAANA-4M_IT(TBGA100))	MTFC4GACAANA-4MIT	U24
2	NA(RA0805_(4X0402)_22R)	R_MATRIX_4E_25X625	RM4, RM5
1	NA(RA1206_(4X0603)_4B8_0R)	R_MATRIX_4E	RM2
2	NA(RA1206_(4X0603)_4B8_10k)	R_MATRIX_4E	RM3, RM6
3	NA(RCLAMP0524P)	RCLAMP0524PTEST	U17, U22, U23
1	NA(W25Q128FVSIG(SOIC-8_Wide)/(EN25Q64-104HIP))	W25Q16BVSSIG(SO-8)	U25
4	Open	SJSJ_SMALLER	5V_E, 5V_E_SATA, VPS+, VPS-
1	Opened	SJSJ_SMALLER	WP_ENABLE
2	PJ-W47S-05D2-LF_V2	AUDIO_JACK_5PINPJ-W47S-05D2-LF_V2	HEADPHONES, MIC_IN
1	PSD006A-LT2-BA0	SD_CARD_PSD006A-LT2-BA0	SD/MMC2
1	PWRJ-2mm(YDJ-1136)	PWR-JAKPWR_JACK_UNI_MILLING_SMALLER_DRILLS	PWR
1	Q24MHz/20pF/20ppm/2P/5.0x3.2mm	HC49/S_E4SB25.000F20E15	Q3
1	Q25MHz/20pF/20ppm/2P/5.0x3.2mm	HC49/S_E4SB25.000F20E15	Q1
1	Q32.768kHz/12.5pF/20ppm/4P/SMD8038	MC-306_MC-306-TEST	Q2
1	RA1206_(4X0603)_4B8_0R	R_MATRIX_4E	RM1
2	RA1206_(4X0603)_4B8_1.5k	R_MATRIX_4E	RM9, RM10
1	RA1206_(4X0603)_4B8_10k	R_MATRIX_4E	RM25
1	RA1206_(4X0603)_4B8_75R	R_MATRIX_4E	RM7
2	RA1206_(4X0603)_4B8_100K	R_MATRIX_4E	RM8, RM11
1	RJLBC-060TC1	RJLBC-060TC1_GND_MILLING	LAN
1	SATA-PWA-07	SATA-PWA-07TEST	SATA
10	SIDE_WTCM-TR(3X4)	SW-TAKTSIDE_WTCM-TR(3X4)	ENTER, ESC, HOME, MENU, PWR_BUT, RECOVERY, RESET, SEARCH, VOL+, VOL-
1	SMBJ26A	SMBJ16A	D5
3	SY6280AAC(SOT23-5)	SY6280	U9, U10, U11
2	SY8089AAAC(SOT23-5)	SY8008	U13, U15
2	TESTPAD3	TESTPAD3	5V_EXT, GND_PIN
1	TESTPAD40/70	TESTPAD40/70	GND_EXT
11	TESTPADTESTPAD_40-ROUND	TESTPADTESTPAD_40-ROUND	+5V, 1.2V_CPU, 1.2V_INT, 1.5V, 2.5V, 3.0VA, 3.3V, BAT, DS, GND, IPSOUT
1	USB-OTG	MINI_USB9	USB_OTG
1	USB_TWO_LEVEL	USB_TWO_LEVEL	USB_HOST
1	WU06S	CON6	VGA