<u> </u>	N/-1	Desident	_
	Value	Device	Parts
	0R(Board_Mounted)	R_0R0R(NA)	R66
	OR_board_mounted	R-EU_R0402_TI_0R	R12, R13
	0.03R/1%	R-EU_R1206_5MIL_WS	R51
	22R	R-EU_R0402_TI	R9, R11
	49.9R/1%	R-EU_R0402_TI	R80, R81, R82, R83
	191R/1%	R-EU_R0603_5MIL_DWS	R57
	330R/1%	R-EU_R0603_5MIL_DWS	R8, R14, R50, R78, R85, R86
	1.1k/1%	R-EU_R0603_5MIL_DWS	R69, R72
8	2k	R-EU_R0402_TI	R30, R31, R56, R60, R61, R62, R63, R64
11	21/10/	D ELL DOCOS EMIL DIVIC	R1, R2, R3, R5, R6, R7, R43, R44, R45,
	2k/1%	R-EU_R0603_5MIL_DWS	R46, R65
	3.32k/1%	R-EU_R0603_5MIL_DWS	R70
	4.99k/1%	R-EU_R0603_5MIL_DWS	R33, R58, R68, R71
	6.81k/1%	R-EU_R0603_5MIL_DWS	R41
1	8.25k/1%	R-EU_R0603_5MIL_DWS	R67
11	101	D ELL D0402 TI	R19, R25, R27, R29, R35, R37, R40, R47,
	10k	R-EU_R0402_TI	R49, R52, R54, R74, R84, R97
	12.1k/1%	R-EU_R0603_5MIL_DWS	R79
	13k/1%	R-EU_R0603_5MIL_DWS	R21, R23, R36, R42, R48, R75
	20k/5%/0402	R-EU_R0402_TI	R32
	27k	R-EU_R0402_TI	R98
	100k/1%	R-EU_R0603_5MIL_DWS	R10, R26, R53
	200k/1%	R-EU_R0603_5MIL_DWS	R28, R55, R59
	1M	R-EU_R0402_TI	R77
	10M	R-EU_R0402_TI	R73
	RA1206_(4X0603)_4B8_22R	R_MATRIX_4E	RM9
	RA1206_(4X0603)_4B8_1.5k	R_MATRIX_4E	RM1
2	RA1206_(4X0603)_4B8_10k	R_MATRIX_4E	RM2, RM5
1	RA1206_(4X0603)_4B8_100K	R_MATRIX_4E	RM4
4	22pF	C-EUC0603_DWS	C81, C85, C175, C183
4	27pF	C-EUC0402_TI	C86, C87, C90, C91
			C47, C113, C114, C115, C116, C143,
	1nF	C-EUC0402_TI	C147, C161
1	1nF/2kV/X7R/1206	C-EUC1206_5MILS_WS_ISO	C89
4	10nF	C-EUC0402_TI	C127, C128, C129, C131
			C60, C61, C63, C64, C76, C80, C93, C109,
13	100nF	C-EUC0402_TI	C110, C111, C120, C126, C167
			C1, C2, C3, C4, C5, C6, C7, C8, C9, C10,
			C11, C12, C13, C14, C16, C17, C18, C19,
			C20, C21, C22, C23, C24, C25, C26, C27,
			C28, C29, C30, C31, C32, C33, C34, C35,
			C36, C37, C38, C39, C40, C41, C42, C43,
			C44, C45, C46, C48, C49, C50, C51, C52,
			C53, C56, C57, C58, C65, C66, C67, C68,
			C69, C70, C71, C72, C73, C77, C78, C95,
			C100, C103, C104, C105, C106, C107, C121, C123, C137, C152, C156, C162,
80	220nF	C-EUC0402 TI	C168, C170
	220nF/0603	C-EUC0603 DWS	C157
	470nF	C-EUC0603 DWS	C171, C173
	1uF/6.3V	C-EUC0603 DWS	C62, C99, C133, C150, C153 , C154
Ť			C132, C138, C145, C158, C159, C160,
7	4.7uF/6.3V	C-EUC0603_DWS	C163
			C55, C79, C101, C102, C108, C117, C124,
			C130, C134, C135, C136, C142, C144,
15	10uF/6.3V	C-EUC0603_DWS	C146, C149
			C15, C74, C75, C92, C94, C96, C97, C98,
			C118, C119, C122, C125, C139, C140,
			C148, C151, C155, C164, C165, C166,
			C169, C172, C176, C177, C178, C179,
		1	LC100 C101 C102 C104 C10E C106
	20 7/2 0/4	0.51100000 51115	C180, C181, C182, C184, C185, C186,
	22uF/6.3V	C-EUC0603_DWS	C193, C194
6	47uF/6.3V	C-EUC0805_5MIL_D	C193, C194 C187, C188, C189, C190, C201, C202
6	47uF/6.3V 470uF/10V/105C	C-EUC0805_5MIL_D CPOL-EUE2.5-6.3	C193, C194 C187, C188, C189, C190, C201, C202 C174
6 1 6	47uF/6.3V 470uF/10V/105C 2.2uH/NR3015T2R2M/1.5A/3015	C-EUC0805_5MIL_D CPOL-EUE2.5-6.3 L-CD32	C193, C194 C187, C188, C189, C190, C201, C202 C174 L10, L11, L12, L13, L14, L15
6 1 6 7	47uF/6.3V 470uF/10V/105C	C-EUC0805_5MIL_D CPOL-EUE2.5-6.3	C193, C194 C187, C188, C189, C190, C201, C202 C174

$A20\text{-}OLinuXino\text{-}Lime_Rev_l1_bom$

		0.011071(10/7-0000-1115010	T
	1NF010(C4COD 133)	SCHOTKKY7.62SS-1N5819	D1 D2
	1N5819(S4SOD-123)	(S4SOD-123)	D1, D2
	1N5822/SS34/SMA	D-MLL-41	D5
	SMBJ6.0A	SMBJ16A	D4
	LED/GREEN/0603	LEDLED-0603_TEST	LED1
	LED/RED/0603	LEDLED-0603_TEST	PWR_LED
1	LED/YELLOW/0603	LEDLED-0603_TEST	CHGLED
	BC846B	NPN-TRANSISTOR_SOT23	T1
1	BSS138(SOT23-3)	N-MOS+DIODBSS138(SOT23-3)	FET4
3	IRLML6402	P-MOS+DIODIRLML6402	FET1, FET2, FET3
1	Q32.768kHz/12.5pF/2P/SMD1206	MC-306_MC-306-TEST	Q2
1	Q24MHZ/20pF/20ppm/2P/5x3.2mm	HC49/STEST	Q3
	Q25MHZ/20pF/20ppm/2P/5x3.2mm	HC49/STEST	Q1
	FSMD035	FUSE	FUSE1
	A20	A10	U7
	AP1231-2.5V(SOT23-5)	AP1231-33	VR1
	AT24C16C-SSHM-T(SOIC-8)	24LCXX	U3
	AXP209(QFN48)	AXP209	U12
<u> </u>	7 V (1 203 (Q1 1 V + 0)	H5TQ2G63BFR	
1	K4B4G1646D-BCK0	MEM4G16D3EABG-125PHIS	U1
	LAN8710A-EZC(QFN-32)	LAN8710A-EZC	U2
	MCP121T-475I/TT	RESETMCP130T-300-I/TT	U20
	MT3608(SOT23-6)	SY7208	U14
	SY6280(SOT23-5)	SY6280	U9, U10, U11
	SY8089AAAC(SOT23-5)	SY8008	U13, U15
			5V SATA PWR, LIPO BAT
	DW02R	CON2DW02R	
	GPH127SMT-02X10(PA-V16X-2X10-LF)	ML20YA-V36P-2X10-LF	GPIO-4
	GPH127SMT-02X20(PA-V16X-2X20-LF)	ML40YA-V36P-2X20-LF	GPIO-1, GPIO-2, GPIO-3, LCD_CON
	HDMI-SWM-19	HDMI-MC34931HDMI-SWM-19	HDMI
	HN1X3	CON3HN1X3	UART0
	RJLBC-060TC1	RJLBC-060TC1_GND_MILLING	LAN
	SATA-PWA-07	SATA-PWA-07"	SATA
1	PWRJ-2mm(YDJ-1134)	PWR-JAKPWR_JACK_UNI_MILLING	PWR_JACK
		MICRO_SD/MMC_CP_	
1	TFC-WPAPR-08	NEWTFC-WPAPR-08	SD/MMC1
_ 1	IFC-WFAFR-00		SD/WINGI
		MINI_USB9-USB-OTG	
1	USB-OTG(MSB-SW-5AB-LF)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF)	USB_OTG
1 2	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL	USB_OTG USB_HOST1, USB_HOST2
1 2 3	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4)	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET
1 2 3 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E
1 2 3 1 2	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA
1 2 3 1 2	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E
1 2 3 1 2 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA
1 2 3 1 2 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE
1 2 3 1 2 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB
1 2 3 1 2 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO
1 2 3 1 2 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8
1 2 3 1 2 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59
1 2 3 1 2 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88
1 2 3 1 2 1 1 1 1 1 1 5	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96
1 2 3 1 2 1 1 1 1 1 5 3	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA NA NA(OR)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34
1 2 3 1 2 1 1 1 1 1 5 3 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3
1 2 3 1 2 1 1 1 1 1 5 3 1 1 2	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(OR) NA(1N5822/SS34/SMA) NA(2.2k)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16
1 2 3 1 2 1 1 1 1 1 5 3 1 1 2	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200
1 2 3 1 2 1 1 1 1 1 5 3 1 1 2 1 2 1 1 2 3 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 2 3 3 1 1 1 2 3 3 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91,
1 2 3 1 2 1 1 1 1 1 5 3 1 1 2 3 1 1 1 2 3 1 1 1 1 1 1 1 2 3 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(10k)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_DWS C-EUC0603_DWS C-EUC0603_DWS R-EU_R0603_SMIL_DWS R-EU_R0603_SMIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200
1 2 3 1 2 1 1 1 1 1 5 3 1 1 2 3 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(10k) NA(12pF)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_DWS C-EUC0603_DWS C-EUC0603_DWS SCHOTKKY7.62SS2 R-EU_R0603_TMIL_DWS C-EUC0603_DWS C-EUC0603_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204
1 2 3 1 2 1 1 1 1 1 5 3 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA NA(OR) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(10k) NA(12pF) NA(22R)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS R-EU_R0603_TMIL_DWS R-EU_R0603_TMIL_DWS R-EU_R0603_TMIL_DWS C-EUC0603_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87
1 2 3 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 2 1 5 1 1 5 1 1 5 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22uF/6.3V)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192
1 2 3 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 2 7 7	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22uF/6.3V) NA(22uF/6.3V) NA(100nF)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSU5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0402_TI C-EUC0402_TI C-EUC0603_DWS C-EUC0603_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203
1 2 3 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 2 1 1 1 5 7 1 1 1 7 1 7 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2kF/6.3V) NA(12pF) NA(12pF) NA(22R) NA(22uF/6.3V) NA(100nF) NA(FB0805/600R/2A)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSUS SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_SMIL_DWS SCHOTKKY7.62SS2 R-EU_R0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI L-USL0805_5MIL_DWS	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203 L1
1 2 3 1 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22uF/6.3V) NA(100nF) NA(100nF) NA(FB0805/600R/2A) NA(MT29F64G08CBABAWP:BTR)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSUS5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0402_TI R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUCO003_SMIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0603_DWS C-EUC0402_TI L-USL0805_5MIL_DWS H27UBG8T2A	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203 L1 U4
1 2 3 1 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22uF/6.3V) NA(100nF) NA(100nF) NA(FB0805/600R/2A) NA(MT29F64G08CBABAWP:BTR) NA(HN1X2)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUCO003_SMIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0402_TI R-EU_R0402_TI C-EUC0603_DWS C-EUC0402_TI L-USL0805_5MIL_DWS H27UBG8T2A CON2HN1X2	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203 L1 U4 BACKUP
1 2 3 1 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22uF/6.3V) NA(100nF) NA(100nF) NA(FB0805/600R/2A) NA(MT29F64G08CBABAWP:BTR) NA(HN1X2) NA(KLMAG2GEND-B031(FBGA153))	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_SMIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS R-EU_R0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0603_DWS C-EUC0402_TI L-USL0805_5MIL_DWS H27UBG8T2A CON2HN1X2 KLMAG2GEND-B031(FBGA153)	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203 L1 U4 BACKUP U21
1 2 3 1 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22R) NA(22uF/6.3V) NA(100nF) NA(FB0805/600R/2A) NA(MT29F64G08CBABAWP:BTR) NA(HN1X2) NA(KLMAG2GEND-B031(FBGA153)) NA(RA1206_(4X0603)_4B8_22R)	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJSJ_SMALLER SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_TMIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS R-EU_R0402_TI C-EUC0402_TI C-EUC0402_TI L-USL0805_5MIL_DWS C-EUC0402_TI L-USL0805_5MIL_DWS H27UBG8T2A CON2HN1X2 KLMAG2GEND-B031(FBGA153) R_MATRIX_4E	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203 L1 U4 BACKUP U21 RM10
1 2 3 1 1 1 1 1 1 1 1 5 3 1 1 2 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	USB-OTG(MSB-SW-5AB-LF) USB_A_VERTICAL SIDE_WTCM-TR(3X4) Close Open Opened PB9:Closed/PH7_USB:Opened PB9:Opened/PH7_GPIO:Closed PC3:Closed/PB8:Opened NA NA NA NA NA NA NA(0R) NA(1N5822/SS34/SMA) NA(2.2k) NA(2.2uF/6.3V) NA(12pF) NA(22R) NA(22uF/6.3V) NA(100nF) NA(100nF) NA(FB0805/600R/2A) NA(MT29F64G08CBABAWP:BTR) NA(HN1X2) NA(KLMAG2GEND-B031(FBGA153))	MINI_USB9-USB-OTG (MSB-SW-5AB-LF) USB_SHIELDUSB_A_VERTICAL SW-TAKTSIDE_WTCM-TR(3X4) SJSJ_1_SMALLER_CLOSE_10MILS SJSJ_SMALLER SJ2W5 SJ2W5 SJ2W5 C-EUC0603_DWS C-EUC1206_5MILS_WS_ISO R-EU_R0603_5MIL_DWS R-EU_R0603_5MIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_SMIL_DWS SCHOTKKY7.62SS2 R-EU_R0603_5MIL_DWS C-EUC0603_DWS C-EUC0603_DWS C-EUC0603_DWS R-EU_R0402_TI C-EUC0402_TI C-EUC0402_TI C-EUC0603_DWS C-EUC0402_TI L-USL0805_5MIL_DWS H27UBG8T2A CON2HN1X2 KLMAG2GEND-B031(FBGA153)	USB_OTG USB_HOST1, USB_HOST2 PWR, RECOVERY, RESET NAND_E 5V_E, 5V_E_SATA WP_ENABLE PB9/PH7_USB PB9/PH7_GPIO PC3/PB8 C59 C88 R22, R24, R76, R92, R96 R4, R38, R39 R34 D3 R15, R16 C195, C197, C200 R17, R18, R20, R88, R89, R90, R91, R93, R94, R95 C204 R87 C54, C112, C141, C191, C192 C82, C83, C84, C196, C198, C199, C203 L1 U4 BACKUP U21