Function		Designator	Footprint Quantity	Manufacturer Part	Manufacturer	Supplier	Supplier Part	Supplier Link	Notes
		BUS1,BUS2	RC2014EXTENDEDBUS-ZMACHINE	2 929975-01-40-RK	3M	Mouser	517-929975-01-40-RK	https://www.mouser.com/ProductDetail/517-929975-01-40-RK	
		C1,C2	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	2 FG28X5R1H105KRT06	TDK	Mouser	810-FG28X5R1H105KRT6	https://www.mouser.com/ProductDetail/810-FG28X5R1H105KRT6	
		C3,C7,C8,C9,C19,C20,C21,C22,C23,C24,C25,C35,C36,C37,C38,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	34 K104K15X7RF5WH5	Vishay	Mouser	594-K104K15X7RF5WH5	https://www.mouser.com/ProductDetail/594-K104K15X7RF5WH5	
Floppy	22pF	C4,C11	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	2 K220J15C0GF5TL2	Vishay	Mouser	594-K220J15C0GF5TL2	https://www.mouser.com/ProductDetail/594-K220J15C0GF5TL2	Using 18pF here too would probably work fine.
Serial	18pF	C5,C6	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	2 K180J15C0GF5TL2	Vishay	Mouser	594-K180J15C0GF5TL2	https://www.mouser.com/ProductDetail/594-K180J15C0GF5TL2	
Floppy	4n7	C10	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	1 FG28C0G2A472JRT06	TDK	Mouser	810-FG28C0G2A472JRT6	https://www.mouser.com/ProductDetail/810-FG28C0G2A472JRT6	
Audio, SD cards		C12,C13,C60,C61	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	2 FG28X5R1E106MRT06	TDK	Mouser	810-FG28X5R1E106MR06	https://www.mouser.com/ProductDetail/810-FG28X5R1E106MR06	
Power	100uF	C14.C16	CPOL-RADIAL-100UF-25V	2 A759EK107M1CAAE018	Kemet	Mouser	80-A759EK107M1CAAE18	https://www.mouser.com/ProductDetail/80-A759EK107M1CAAE18	Electrolytic would be OK here too
Power		C15	CPOL-RADIAL-10UF-25V	1 TAP106M035SCS	AVX	Mouser	581-TAP106M035SCS	https://www.mouser.com/ProductDetail/581-TAP106M035SCS	Electrolytic would be OK here too
Keyboard, I2C		C17,C64	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	2 K101J15C0GF5TH5	Vishay	Mouser	594-K101J15C0GF5TH5	https://www.mouser.com/ProductDetail/594-K101J15C0GF5TH5	Zeodolyko Woda De Oktriete de
		C18	CP_RADIAL_D6.3MM_P2.50MM	1 A750EK227M1AAAE018	Kemet	Mouser	80-A750EK227M1AAAE18	https://www.mouser.com/ProductDetail/80-A750EK227M1AAAE18	Electrolytic would be OK here too
Audio		C65	CAP-TH_L5.5-W2.0-P5.00-D1.0-MOD	1 K103K10X7RF53H5	Vishay	Mouser	594-K103K10X7RF53H5	https://www.mouser.com/ProductDetail/594-K103K10X7RF53H5	Electrolytic would be Ork liefe too
Power for Pico			DO41-7	1 1N5819-T			583-1N5819-T		Ass. Caballa, that are bould a coope to fine
		D1			Rectron	Mouser		https://www.mouser.com/ProductDetail/583-1N5819-T	Any Schottky that can handle ~200mA is fine
Reverse polarity protection		D2	DIODE-1N4001	1 1N4001-B	Rectron	Mouser	583-1N4001-B	https://www.mouser.com/ProductDetail/583-1N4001-B	
Keyboard		F1	0ZRC SERIES	1 0ZRC0050FF1E	Bel Fuse	Mouser	530-0ZRC0050FF1E	https://www.mouser.com/ProductDetail/530-0ZRC0050FF1E	
	DE15	J1	DSUB-15-L77HDE15SD1CH4F	1 L77HDE15SD1CH4RHNVGA		Mouser		https://www.mouser.com/ProductDetail/523-7HDE15SDH4RHNVGA	
		J2, J4, J16, J11	PIN_HEADER_STRAIGHT_2X05_PITCH2.54MM	4 77313-101-10LF	Amphenol	Mouser	649-77313-101-10LF	https://www.mouser.com/ProductDetail/649-77313-101-10LF	
RS232	DE9	J5	DB9_MALE	1 ID09P33E4GX00LF	Amphenol	Mouser	649-ID09P33E4GX00LF	https://www.mouser.com/ProductDetail/649-ID09P33E4GX00LF	
Keyboard	1x4 pin	J7	PIN_HEADER_STRAIGHT_1X04_PITCH2.54MM	1 68000-204HLF	Amphenol	Mouser	649-68000-204HLF	https://www.mouser.com/ProductDetail/649-68000-204HLF	
Keyboard	Mini-DIN 6 pin	J8	M_DIN6	1 KMDGX-6S-BS	Kycon	Mouser	806-KMDGX-6S-BS	https://www.mouser.com/ProductDetail/806-KMDGX-6S-BS	
Serial, SPI		J6, J10	PIN_HEADER_STRAIGHT_1X06_PITCH2.54MM	3 68000-206HLF	Amphenol	Mouser	649-68000-206HLF	https://www.mouser.com/ProductDetail/649-68000-206HLF	
I2C (RC2014)		J12	PIN_HEADER_STRAIGHT_2X02_PITCH2.54MM	1 10129381-904003BLF	Amphenol	Mouser	649-1012938190403BLF	https://www.mouser.com/ProductDetail/649-1012938190403BLF	
		1/3	AUDIO-JACK	1 SJ1-3525NG-GR	CUI	Mouser	490-SJ1-3525NG-GR	https://www.mouser.com/ProductDetail/490-SJ1-3525NG-GR	
		J14	PJ-102AH	1 PJ-102A	CUI	Mouser	490-PJ-102A	https://www.mouser.com/ProductDetail/490-PJ-102A	
	, .	J15, J3, J9	PIN_HEADER_STRAIGHT_2X03_PITCH2.54MM	3 77313-101-06LF	Amphenol	Mouser	649-77313-101-06LF	https://www.mouser.com/ProductDetail/449-77313-101-06LF	
RC2014. Floppy				3 77313-101-00EF	Amphenoi	wouser	049-77313-101-00EF	https://www.mouser.com/ProductDetail/049-77313-101-00EP	Constitution of the state Calculation to state the state of the state
,,		JP1, JP3	PIN_HEADER_STRAIGHT_1X02_PITCH2.54MM	0 45405450044000	14646		740 4540540044000	https://www.news.news.news.news.news.news.news.n	Suggest breaking up the extra 6 pin above to make these
SD cards		LED1, LED2	LED_D5.0MM	2 151051RS11000	Wurth	Mouser	710-151051RS11000	https://www.mouser.com/ProductDetail/710-151051RS11000	The "notch" in the PCB silliscreen is backwards.
Power, debug		LED3, LED4, LED5	LED_D5.0MM	3 151051VS04000	Wurth	Mouser	710-151051VS04000	https://www.mouser.com/ProductDetail/710-151051VS04000	The "notch" in the PCB silkscreen is backwads.
-117	Extr piir dirioddod	PI	FLOPPY CONNECTOR	1 30334-6002HB	3M	Mouser	517-30334-6002	https://www.mouser.com/ProductDetail/517-30334-6002	
Data bus pullups		R1	RPACK-SIP-PTH-8	1 4609X-101-103LF	Bourns	Mouser	652-4609X-1LF-10K	https://www.mouser.com/ProductDetail/652-4609X-1LF-10K	
VGA		R2,R13	AXIAL-0.3	2					
I2C, VGA	2k2, 1%	R3,R8,R61,R62,R58,R59	AXIAL-0.3	4					
VGA, LEDs	1k, 1%	R4,R7,R9,R19,R20,R31,R32,R38	AXIAL-0.3	8					
		R5,R6,R49	AXIAL-0.3	3					
		R10	AXIAL-0.3	1					
Mostly pullups		R11,R12,R16,R24,R33,R34,R35,R36,R37,R39,R15,R17,R18,R21,R27,R28	AXIAL-0.3	16					
Floppy		R14	R_ARRAY_SIP6	1 4606X-101-102LF	Bourns	Mouser	652-4606X-1LF-1K	https://www.mouser.com/ProductDetail/652-4606X-1LF-1K	
		R22	P120K	1 P120K-F15AR10K	TT Electronics	Mouser	858-P120KF15AR10K	https://www.mouser.com/ProductDetail/858-P120KF15AR10K	
Audio		R23,R57	R_AXIAL-0.3	2	. 1 Liectionics	···lousei	JOOT IZON IJANION	THE STATE OF THE PART OF THE STATE OF THE ST	
	1116	R25	R_AXIAL-0.3 R_AXIAL-0.3	2					
				1					
		R26,R63	AXIAL-0.3	2					
		R29,R30	AXIAL-0.3	2					
		SD1,SD2	DM3AT-SF	2 DM3AT-SF-PEJM5(11)	Hirose	Mouser	798-DM3ATSFPEJM511	https://www.mouser.com/ProductDetail/798-DM3ATSFPEJM511	
Audio	AT-1224	SP1	BUZZER_6.5MM	1 AT-1224-TWT-5V-2-R	PUI Audio	Mouser	665-AT1224TWT5V2R	https://www.mouser.com/ProductDetail/665-AT1224TWT5V2R	
Reset	SPST	SW1, SW2	SW_PUSH_6MM	1 TS02-66-43-BK-260-SCR-D	CUI	Mouser	179-TS026643BK260SCR	https://www.mouser.com/ProductDetail/179-TS026643BK260SCR	
RS232	MAX239	U1	DIP24-300	1 MAX239CNG+	Maxim	Mouser	700-MAX239CNG	https://www.mouser.com/ProductDetail/700-MAX239CNG	Much cheaper from UTSource
CPU	Z80 DIP	U3	DIP-40	1 Z84C0010PEG	Zilog	Mouser	692-Z84C0010PEG	https://www.mouser.com/ProductDetail/692-Z84C0010PEG	
System bus, pico, SC cards	ATF1508AS-10JC84	U4. U14	PLCC84_PTH-SKT	1 ATF1508AS-10JU84	Microchip	Mouser	556-ATF1508AS-10JU84	https://www.mouser.com/ProductDetail/556-ATF1508AS-10JU84	Any speed grade ought to do for this board, but beware of used pulls as they may have JTAG disabled. That said, I have been able to erase most of the used ones from UTSource
System won't work without it		U6	PICO_CLONE	1 RP2014	SZYTF	AliExpress	3256803471269048	https://www.aliexpress.us/item/3256803471269048.html	Regular Pico doesn't have enough GPIO
Audio	I M386	117	DIP8	1 LM386N	Texas Instruments		926-LM386N-4/NOPB	https://www.mouser.com/ProductDetail/926-LM386N-4-NOPB	
		U8,U15	SOIC-8	2 PCA9306D.118	NXP	Mouser	771-PCA9306D-T	https://www.mouser.com/ProductDetail/771-PCA9306D-T	
		U10	PLCC-68_THT-SOCKET	1 N82077AA	Intel	UTSource	10263088		Compatible parts: PC8477BV-1, N82077AA-1 (no FM support), N82077AA-5 (no 1Mbps support), PC8477AV-1 (older version)
Floppy								https://www.utsource.net/itm/p/10263088.html	
Interrupts		U12	DIP28-600	1 8259A	Intel	UTSource	535900	https://www.utsource.net/itm/p/535900.html	Or 82C59A
		U16	TO-220-3_HORIZONTAL	1 LM1117T-3.3/NOPB		s Mouser	926-LM1117T-3.3/NOPB	https://www.mouser.com/ProductDetail/926-LM1117T-3.3/NOPB	Heatsink not necessary but isolate the heatsink and screw from the board if you do use one.
SD Cards		U28	DIP16	1 CD74HCT123E	Texas Instruments		595-CD74HCT123E	https://www.mouser.com/ProductDetail/595-CD74HCT123E	Or 74LS123
ROM		U97	DIP32	1 SST39SF010A-70-4C-PHE	Microchip	Mouser	804-39SF010A7CPHE	https://www.mouser.com/ProductDetail/804-39SF010A7CPHE	Or 39SF020, 39SF040
RAM		U98	DIP32	1 AS6C4008-55PCN	Alliance Memory		913-AS6C4008-55PCN	https://www.mouser.com/ProductDetail/913-AS6C4008-55PCN	
Serial	SC28L92	U103	PLCC44_PTH-SKT	1 SC28L92A1A	Phillips	UTSource	11623254	https://www.utsource.net/itm/p/11623254.html	
Serial		X1	CRYSTAL_HC49-U_VERTICAL	1 ABL-3.6864MHZ-B2	Abracon	Mouser	815-ABL-3.6864-B2	https://www.mouser.com/ProductDetail/815-ABL-3.6864-B2	
Floppy		X2	CRYSTAL_HC49-U_VERTICAL	1 FOXSLF/240F-20	Fox / Abracon	Mouser	559-FOXS240F-20-LF	https://www.mouser.com/ProductDetail/559-FOXS240F-20-LF	
		115	DIP14	1 SN74HCT04NE4	Texas Instruments		595-SN74HCT04NE4	https://www.mouser.com/ProductDetail/595-SN74HCT04NE4	Stick with HCT or similar here. Needs TTL compatible inputs and CMOS level output.
	40 pin wide skt		=:: .:	1 1-2199299-5	TE Connectivity	Mouser	571-1-2199299-5	https://www.mouser.com/ProductDetail/571-1-2199299-5	
	32 pin wide skt			2 1-2199300-2	TE Connectivity	Mouser	571-1-2199299-5	https://www.mouser.com/ProductDetail/571-1-2199390-2	
						Mouser	649-DILB24P-223TLF		
Interrupts	24 pin wide skt			1 DILB24P-223TLF	Amphenol			https://www.mouser.com/ProductDetail/649-DILB24P-223TLF	
	24 pin narrow skt			1 1-2199298-8	TE Connectivity	Mouser	571-1-2199298-8	https://www.mouser.com/ProductDetail/571-1-2199298-8	
	16 pin skt			1 1-2199298-4	TE Connectivity	Mouser	571-1-2199298-4	https://www.mouser.com/ProductDetail/571-1-2199298-4	
	14 pin skt			1 1-2199298-3	TE Connectivity	Mouser	571-1-2199298-3	https://www.mouser.com/ProductDetail/571-1-2199298-3	
Audio	8 pin skt			1 1-2199298-2	TE Connectivity	Mouser	571-1-2199298-2	https://www.mouser.com/ProductDetail/571-1-2199298-2	
CPLDs	84 pin PLCC skt			2 540-88-084-24-008	Preci-dip	Mouser	437-5408808424008	https://www.mouser.com/ProductDetail/437-5408808424008	
Floppy	68 pin PLCC skt			1 540-88-068-24-008	Preci-dip	Mouser	437-5408806824008	https://www.mouser.com/ProductDetail/437-5408806824008	
Serial	44 pin PLCC skt			1 PX-44LCC	Kycon	Mouser	806-PX-44LCC	https://www.mouser.com/ProductDetail/806-PX-44LCC	
	2.54mm jumper			11 SX1100-A	Kycon	Mouser	806-SX1100-A	https://www.mouser.com/ProductDetail/806-SX1100-A	
	, , ,				,				
				Note: Part numbers have as	re suggestions only	and in most an	sos any standard ronlecoment	with similar specifications will work fine	
					Note: Part numbers here are suggestions only, and in most cases an Resistors are standard 1/4W axial 5% tolerance unless otherwise specifie			with annual apocifications will work line.	
							specified.		
				Sockets are optional on DIP					