



Warning! Pay attention to J9 and J10. If jumper J9 is not placed then do not place J10! J9 disables the internal 3.3V regulator of the PICO. J10 is the 3.3V output from the voltage regulator on the SD-card module. This setting is to eliminate noise generated by the internal regulator of the PICO.

Raspberry Pico MMBASIC board VGA		
Size	Number	Rev
A4		V1.4
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#	Name	Manufacturer	Quantity	RefDes	Value
1	CAP		1	C1	100 nF
2	POLCAP		1	C2	470 uF
3	POLCAP		2	C3, C7	10 uF
4	CAP		2	C4, C8	2.7 nF
5	CAP		2	C5, C10	33 nF
6	CAP		2	C6, C9	68nF
7	CAP		1	C11	10nF
8	1N5819G	ON Semiconductor	1	D1	
9	LED-3R_Red	Kingbright	1	D2	External power
10	LED-3R_Red	Kingbright	1	D3	USB power
11	HDRF-1x2		1	J1	+5V power
12	HDR-1x3		1	J2	AUDIO out
13	HDRF-1x6		1	J3	RTC module DS3231
14	HDRF-2x8		1	J4	sdcard module
15	HDRF-1x4		1	J5	2812RGB led
16	HDRF-2x10		1	J6	I/O
17	L77HDE15SD1CH4RHNVGA	Amphenol	1	J7	VGA connector
18	5750071-1	TE Connectivity	1	J8	
19	HDR-1x2		1	J9	3.3V disable
20	HDR-1x2		1	J10	3.3V out
21	744732	Würth Elektronik	2	L1, L2	4.7 mH
22	2N7000	NXP-Philips	3	Q1, Q2, Q3	
23	RES		2	R1, R2	220
24	RES		7	R3, R4, R5, R6, R11, R12, R13	10K
25	RES		2	R7, R10	270
26	RES		1	R8	390
27	RES		1	R9	820
28	RES		2	R14, R15	470
29	RES		2	R16, R17	47
30	EVQ11Y07K	Panasonic	1	S1	RESET
31	Pico_OBROUND_TH	RaspberryPi Pico	1	U1	Pico mmbasic

Raspbery Pico MMBASIC board VGA

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