

MECB TMS992x or TMS9918 VDP - BOM

Item	Qty	Source	Part Number
MECB TMS9918/TMS992x VDP Card PCB	1	JLCPCB	
DIN41612 Male R/A 364 Connector	1	AliExpress	364-RA-M
M2.5 Bolt 10mm Thread Length	2	AliExpress	
M2.5 Nut	2	AliExpress	
12mm Nylon PCB Spacer	4	AliExpress	
6mm Nylon Bolt	8	AliExpress	
ATF16V8 PLD DIP20 (U1)	1	AliExpress	
TMS9929A 50Hz (or TMS9928A / TMS9918A 60Hz) VDP DIP40 (U2A)	1	AliExpress	
10.738635Mhz Crystal HC49-U (Y1)	1	AliExpress	
33pf Capacitor 5mm (C1, C2)	2	AliExpress	
0.1µf Capacitor 5mm (C3,C4,C5,C6)	4	AliExpress	
4 pin R/A PCB Header (for TMS992x only)	1	AliExpress	
3.5mm Phone Connector Audio Jack PCB Mount	1	Mouser	SJ1-3523N
9 pin Circular Mini-DIN Connector PCB Mount	1	Mouser	KMDGX-9S-BS-1
470R Axial Resistor 7.62mm (R2)	1	AliExpress	
470R Axial Resistor 7.62mm (R1,R3) (for TMS992x only)	2	AliExpress	
TMS-RGB Module (for TMS992x only)	1	<a href="https://tms-rgb.com/">https://tms-rgb.com/</a>	TMS-RGB
75R Axial Resistor 7.62mm (R4,R5) (for TMS9918 only)	2	AliExpress	
0.1µf Capacitor 5mm (C7) (for TMS9918 only)	1	AliExpress	
47µf Capacitor 2.5mm (C8) (for TMS9918 only)	1	Mouser	ECE-A1CKA470I
B-01-A Ferrite Bead Axial (FB1) (for TMS9918 only)	1	Mouser	B-01-A
2N3904 NPN BJT TO-92 (Q1) (for TMS9918 only)	1	Mouser	2N3904
74HCT244 Tri-State Octal Buffer DIP20 (U3)	1	Mouser	SN74HCT244N
4464 Dynamic RAM DIP18 (U4,U5)	2	AliExpress	
74HCT04 Hex Inverter / Buffer DIP14 (U6)	1	Mouser	SN74HCT04N
DIP40 IC Socket	1	AliExpress	
DIP20 IC Socket	2	AliExpress	
DIP18 IC Socket	2	AliExpress	
DIP14 IC Socket	1	AliExpress	