

**MECB TMS992x or TMS9918 VDP - BOM**

<b>Item</b>	<b>Qty</b>	<b>Source</b>	<b>Part Number</b>
<b>MECB TMS9918/TMS992x VDP Card PCB</b>	1	JLCPCB	
<b>DIN41612 Male R/A 364 Connector</b>	1	AliExpress	364-RA-M
<b>M2.5 Bolt 10mm Thread Length</b>	2	AliExpress	
<b>M2.5 Nut</b>	2	AliExpress	
<b>12mm Nylon PCB Spacer</b>	4	AliExpress	
<b>6mm Nylon Bolt</b>	8	AliExpress	
<b>ATF16V8 PLD DIP20 (U1)</b>	1	Mouser	
<b>TMS9929A 50Hz (or TMS9928A / TMS9918A 60Hz) VDP DIP40 (U2)</b>	1	eBay / AliExpress	
<b>10.738635Mhz Crystal HC49-U (Y1)</b>	1	AliExpress	
<b>33pf Capacitor 5mm (C1, C2)</b>	2	AliExpress	
<b>0.1µf Capacitor 5mm (C3,C4,C5,C6)</b>	4	AliExpress	
<b>4 pin R/A PCB Header (for TMS992x only)</b>	1	AliExpress	
<b>3.5mm Phone Connector Audio Jack PCB Mount</b>	1	Mouser	SJ1-3523N
<b>9 pin Circular Mini-DIN Connector PCB Mount</b>	1	Mouser	KMDGX-9S-BS-1
<b>470R Axial Resistor 7.62mm (R2)</b>	1	AliExpress	
<b>470R Axial Resistor 7.62mm (R1,R3) (for TMS992x only)</b>	2	AliExpress	
<b>TMS-RGB Module (for TMS992x only)</b>	1	<a href="https://tms-rgb.com/">https://tms-rgb.com/</a>	TMS-RGB
<b>75R Axial Resistor 7.62mm (R4,R5) (for TMS9918 only)</b>	2	AliExpress	
<b>0.1µf Capacitor 5mm (C7) (for TMS9918 only)</b>	1	AliExpress	
<b>47µf Capacitor 2.5mm (C8) (for TMS9918 only)</b>	1	Mouser	ECE-A1CKA470I
<b>B-01-A Ferrite Bead Axial (FB1) (for TMS9918 only)</b>	1	Mouser	B-01-A
<b>2N3904 NPN BJT TO-92 (Q1) (for TMS9918 only)</b>	1	Mouser	2N3904
<b>74HCT244 Tri-State Octal Buffer DIP20 (U3)</b>	1	Mouser	SN74HCT244N
<b>4464 Dynamic RAM DIP18 (U4,U5)</b>	2	eBay / AliExpress	
<b>74HCT04 Hex Inverter / Buffer DIP14 (U6)</b>	1	Mouser	SN74HCT04N
<b>DIP40 IC Socket</b>	1	AliExpress	
<b>DIP20 IC Socket</b>	2	AliExpress	
<b>DIP18 IC Socket</b>	2	AliExpress	
<b>DIP14 IC Socket</b>	1	AliExpress	