




















WPiCiri tester BOM

You can see that in most link there are some part that you have to buy a little price 10pcs or 100pcs (resistor, led, connector, etc). So you can buy 1x and you have for more tester. You need then some wires for power and fixed cable, but I think that you have yet. I hope that this are a complete full BOM, i rechecked 3 times :) but I have a lot of materiale at home, i hope not forget something.

from ALIEXPRESS



Picture	Link	Options	Qty for 1x tester
	https://www.aliexpress.com/item/10pcs-dip-6-10-20-26-34-40-PIN-2-54MM-pitc	2X5 10PIN	2
	https://www.aliexpress.com/item/10pcs-right-angle-6-10-20-26-34-40-PIN-2-54mm	2X5 10PIN	1
	https://www.aliexpress.com/item/10pcs-right-angle-6-10-20-26-34-40-PIN-2-54mm	2X17 34PIN	1
	https://www.aliexpress.com/item/1PCS-16-20-28-28-WIDE-32-40-40-BLACK-pin-	20Pin	1
	https://www.aliexpress.com/item/1-44-1-8-2-0-2-2-2-4-2-8-Inch-TFT-Color-Screen	2.8 Inch WITH TOUCH AND WITH YELLOW HEADER	1
	https://www.aliexpress.com/item/JXSINONE-P6100-Oscilloscope-Probe-Kit-DC-1	P6100	1
	https://www.aliexpress.com/item/Power-Adapter-Supply-Converter-AC-DC-220V	12V + EU Plug + 6A	1
	https://www.aliexpress.com/item/10PCS-XL4005-DSN5000-Beyond-LM2596-DC-DC-adjustable-step-down-5A-power		1
	https://www.aliexpress.com/item/10-1000PCS-WS2812B-5050-RGB-LED-Chip-W/	WS2812B 5050	2
	https://www.aliexpress.com/item/10PCS-TIP102-TIP127-TIP107-TIP112-TIP120-T	TIP102	1
	https://www.aliexpress.com/item/Promotion-5pcs-lot-SD-Card-2GB-1GB-512MB	the minimum MB, ok 16/32MB	1
	https://www.aliexpress.com/item/100pcs-0805-1-1-8W-SMD-chip-resistor-0R-10	2k2 value	9
	https://it.aliexpress.com/item/1005002438159465.html?gatewayAdapt=glo2itag	mega 2560	1
	https://www.aliexpress.com/item/10PCS-2-54MM-40Pin-1x40P-Male-Pin-Heade	color what you want - buy 10pcs or more (10x40 pin)	1
	https://www.aliexpress.com/item/10Pcs-Push-Button-Switch-10x15mm-2Pin-3pi	2PIN 2 block White or BLACK	1
	https://www.aliexpress.com/item/100pcs-1206-5-SMD-resistor-0R-10M-1-4W-0-	1206 470R	1
	https://www.aliexpress.com/item/100pcs-0402-0603-0805-1206-1210-smd-led-F	1206 white	1

	https://www.aliexpress.com/item/100pcs-0805-1-1-8W-SMD-chip-resistor-0R-10	0805 330R	1
	https://it.aliexpress.com/item/1005001437008358.html?spm=a2g0o.productlist	2k value	1
	https://it.aliexpress.com/item/32850331312.html?cn=e-c&af=%7B%22c%22%3A	RED	1

For flat cable I buy the free flatcable 40/50pin and make manually the cable with this pliers ant this connector







	https://www.aliexpress.com/item/NEW-G-214-Cable-Clamp-Idc-Crimp-Tool-240	I USE THIS FOR CRIMP FLAT CABLE, ITS PERFECT TOOL	
	https://www.aliexpress.com/item/10PCS-FC-6-8-10-12-14-16-18-20-30-40-50-64	2X17 34P	2
	https://www.aliexpress.com/item/10PCS-FC-6-8-10-12-14-16-18-20-30-40-50-64	2x5 10P	2
	https://it.aliexpress.com/item/4001292011584.html?spm=a2g0o.productlist.0.0	the 10pin cable lenght 70cm, the 34pin lenght 15/20cm	

but you can easy buy this cable ready and you are ok without other work to do

	https://it.aliexpress.com/item/1005002982680715.html?spm=a2g0o.productlist	2x5 10P 70cm	1
	https://it.aliexpress.com/item/1005003161799870.html?spm=a2g0o.productlist	2x17 34P 20cm	1

from MOUSER

on Mouser you will buy 10x pcs and have a better price, so you for some parts (resistor and switch) you can immediately buy 10x. The shipping for Italy is 20€ fedex, but it is free with order > 50€+TAX, you have to see if you have this options and buy more components for have your shipping free too. At your choice.

	https://www.mouser.it/ProductDetail/538-09-48-3135	13 pos	1
	https://www.mouser.it/ProductDetail/538-38-00-1339	9 pos	1
	https://www.mouser.it/ProductDetail/655-1-1825027-7		1
	https://www.mouser.it/ProductDetail/538-73100-0105		1
	https://www.mouser.it/ProductDetail/538-09-48-2123	12 pos	1
	https://www.mouser.it/ProductDetail/538-09-48-4078	7 pos	1



<https://www.mouser.it/ProductDetail/538-09-48-2093>

9 pos

1



<https://www.mouser.it/ProductDetail/538-22-16-2050>

5 pos

1



<https://www.mouser.it/ProductDetail/538-09-48-3095>

9 pos

1



<https://www.mouser.it/ProductDetail/279-RR03J33RTB>

33R 3W

1



<https://www.mouser.it/ProductDetail/652-4610X-1LF-3.3K>

1



<https://www.mouser.it/ProductDetail/652-4610X-1LF-1K>

1

Now, for the POWER from tester to POWER BOARD i use a male pcb connector, and a housing female with terminals. Today one part of this (the black one) it's not available, so we can (i hope) use the last link than have all in one (male, female, crimp terminals). You need of course a correct pliers for crimp this terminals, i use one buy on amazon and work great.



<https://www.mouser.it/ProductDetail/538-171857-1004>

4 pos

1



<https://www.mouser.it/ProductDetail/Molex/08-56-0110?qs=o4r9IV%252BgZWNYbj%252B1QdsPIO%3D%3D>

3



<https://www.mouser.it/ProductDetail/538-22-01-2047>

4 pos - it's not available now

1

ALL IN ONE -->

https://it.aliexpress.com/item/32961935772.html?spm=a2q0o.productlist.0.0.4fe967f2mhFkTp&algo_pvid=d56b8c 1 of all