

TD-4 Assembly

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部品リスト

添付のEXCELファイルを参考してください。

この資料の部品No番号は、ExcelのNo番号と対応しています。

部品のネットショップのリンク

	No	Part	Value	Device	Package	個数	単価	価格	Link	Description
TTL	1	IC1	74HC14	74LS14N	DIL14	1	¥90	¥90	https://www.marutsu.co.jp/pc/i/95795/	Hex schmitt trigger INVERTER
	2	IC2	74HC32	74LS32N	DIL14	1	¥90	¥90	https://www.marutsu.co.jp/pc/i/59397/	Quad 2-input OR gate
	3	IC2_CARRY_FLAG_	74HC74	74LS74N	DIL14	1	¥90	¥90	https://www.marutsu.co.jp/pc/i/95768/	Dual D type positive edge triggered FLIP FLOP, preset and clear
	4	IC3	74HC10	74LS10N	DIL14	1	¥90	¥90	https://www.marutsu.co.jp/pc/i/37580/	Triple 3-input NAND gate
	5	MULTIPLEXERES_1	74HC153	SN74ALS153N	DIP254P762X508-16	2	¥90	¥180	https://www.marutsu.co.jp/pc/i/37591/	DUAL 1 OF 4 DATA SELECTORS/MULTIPLEXERS
	6	IC2-ALU	74HC283	74LS283N	DIL16	1	¥90	¥90	https://www.marutsu.co.jp/pc/i/96111/	4-bit binary FULL ADDER, fast carry
	7	REG_A	74HC161	SN74ALS161BN	DIP254P762X508-16	4	¥90	¥360	https://www.marutsu.co.jp/pc/i/98139/	SYNCHRONOUS 4-BIT DECADE AND BINARY COUNTERS
	8	U1	74HC138	SN74HC138N	DIP254P762X508-16	2	¥90	¥180	https://www.marutsu.co.jp/pc/i/95796/	3 line to 8-line decoders demultiplexers
	9	IC1	74HC540	74LS540N	DIL20	1	¥90	¥90	https://www.marutsu.co.jp/pc/i/98257/	Inverting Octal BUFFER and LINE DRIVER, 3-state
IC Socket	10	IC socket	14 pin	IC socket		4	¥50	¥200	https://www.marutsu.co.jp/pc/i/10480/	
	11	IC socket	16 pin	IC socket		9	¥55	¥495	https://www.marutsu.co.jp/pc/i/13895/	
	12	IC socket	20 pin	IC socket		1	¥76	¥76	https://www.marutsu.co.jp/pc/i/14564/	
S/W	13	S2	1Hz/10Hz	320-916	320-916	2	¥672	¥1,344	https://www.chip1stop.com/dispatchDetail.do?partId=APEM-0000126&mpn=5636A9	TOGGLE SWITCH
	14	SW1	TS-1101F Manual Clock TON(2P-6.0X3.0X4.3MM)-T	SW2-5.0-6.0X3.0X4.3MM		2	¥58	¥116	https://www.chip1stop.com/dispatchDetail.do?partId=ALPS-0006537&mpn=SKHLLAA010	
	15	SW2	INPUT_PORT	SW_DIP-4	EDG-04	1	¥54	¥54	https://www.marutsu.co.jp/pc/i/68198/	DIP SWITCH
	16	SW1	ROM0	SW_DIP-8	EDG-08	16	¥60	¥960	https://www.marutsu.co.jp/pc/i/68200/	DIP SWITCH

ROM

S/WとROMの対応
D0, D1 ... D7

No 16. S/W DIP-8 (16個)

No 27. Diode
D9-1C (16個)

No 10~12
14pin, 16pin, 20 pin
のICソケットも忘れ
ずに組立。

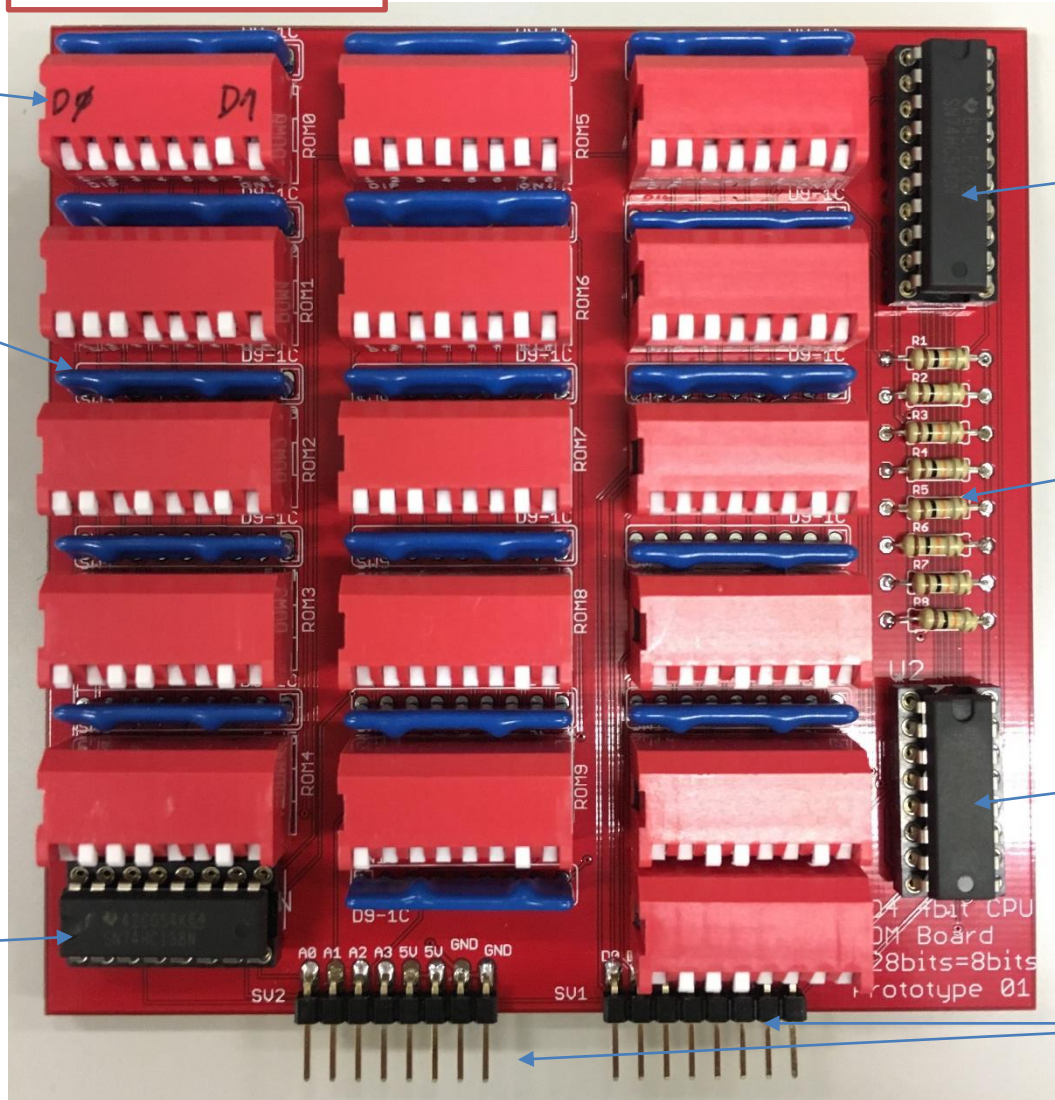
No 8. IC
74HC138

No 9. IC
74HC540

No 24 . Resistor
10 kOhm (8個)

No 8. IC
74HC138

No 30. MA08-
1W (2個)



CPU Board 1

No 1. IC
75HC14

No 4. IC
74HC10

No 2. IC
74HC32

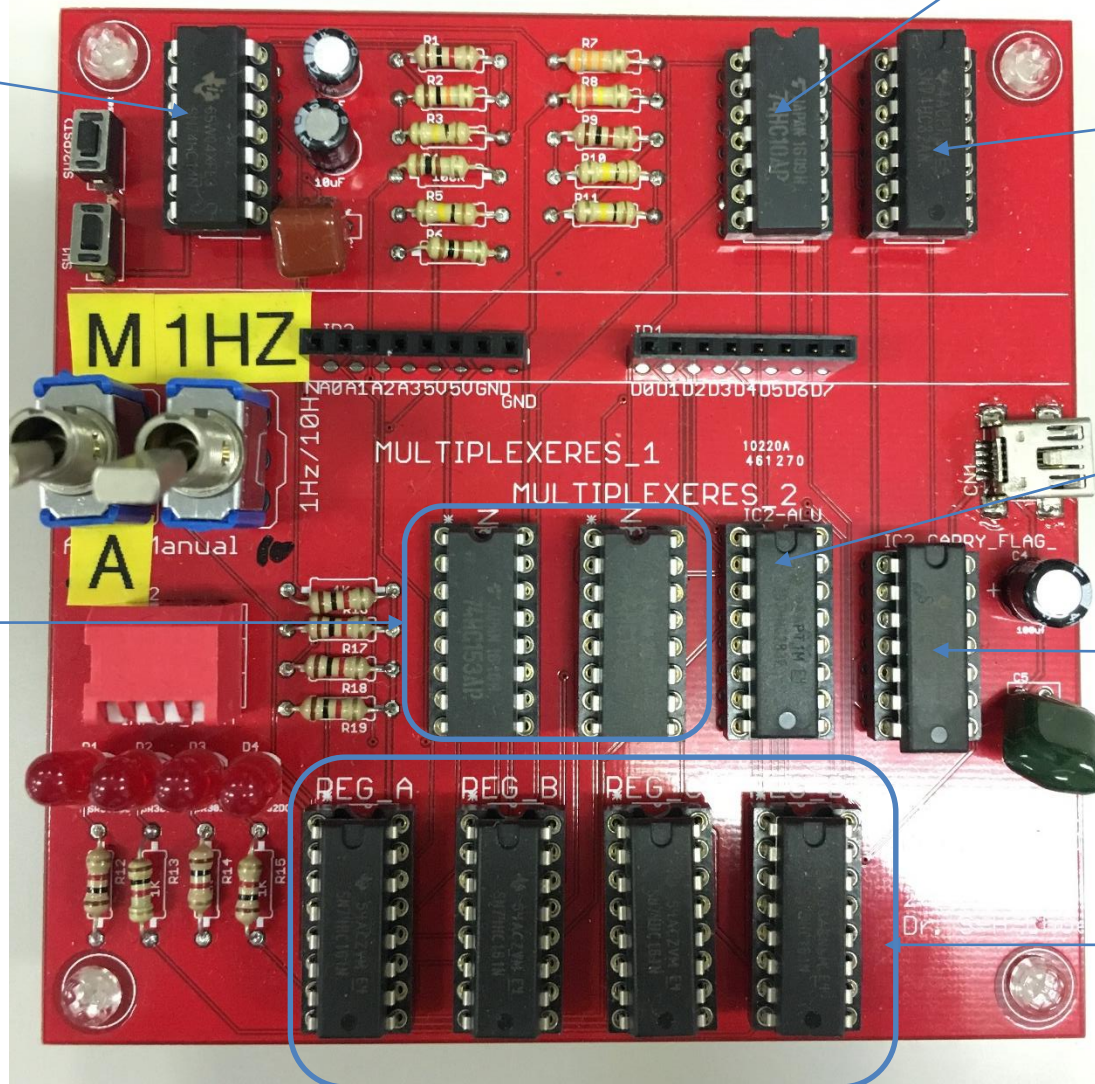
No 6. IC
74HC283

No 5. IC
74HC153 (2個)

No 3. IC
74HC74

No 10~12
14pin, 16pin, 20 pin
のICソケットも忘れ
ずに組立。

No 7. IC
74HC161 (4個)



CPU Board 2

No 14. SW
(Reset)

No 14. SW
(Manual Clock)

No 13. SW
Manual/Auto

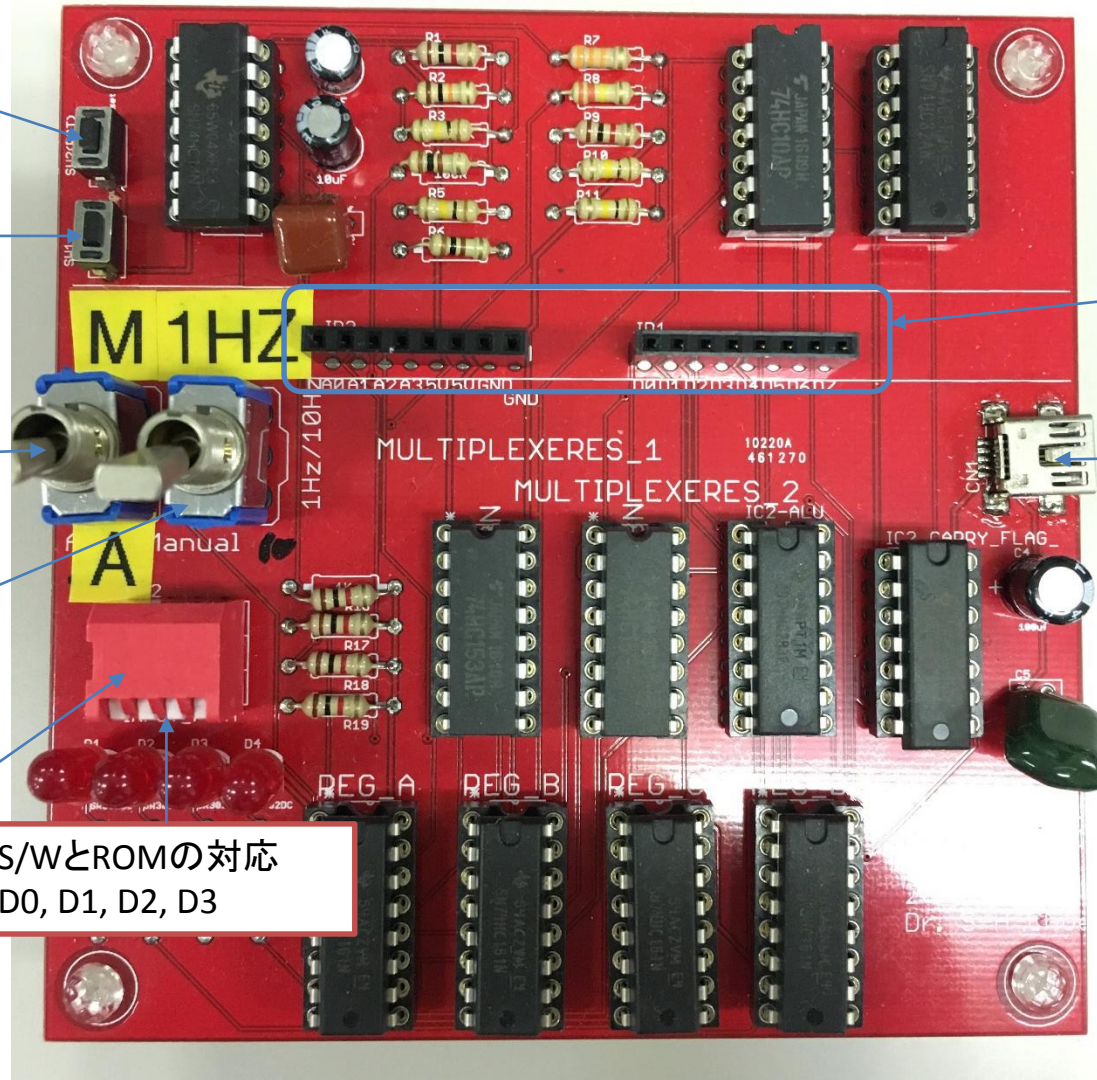
No 13. SW
Speed (1/10 Hz)

No 15. SW
Input port

S/WとROMの対応
D0, D1, D2, D3

No 31.
PINHD-1X8 (2個)

No 29.
USBMINIB



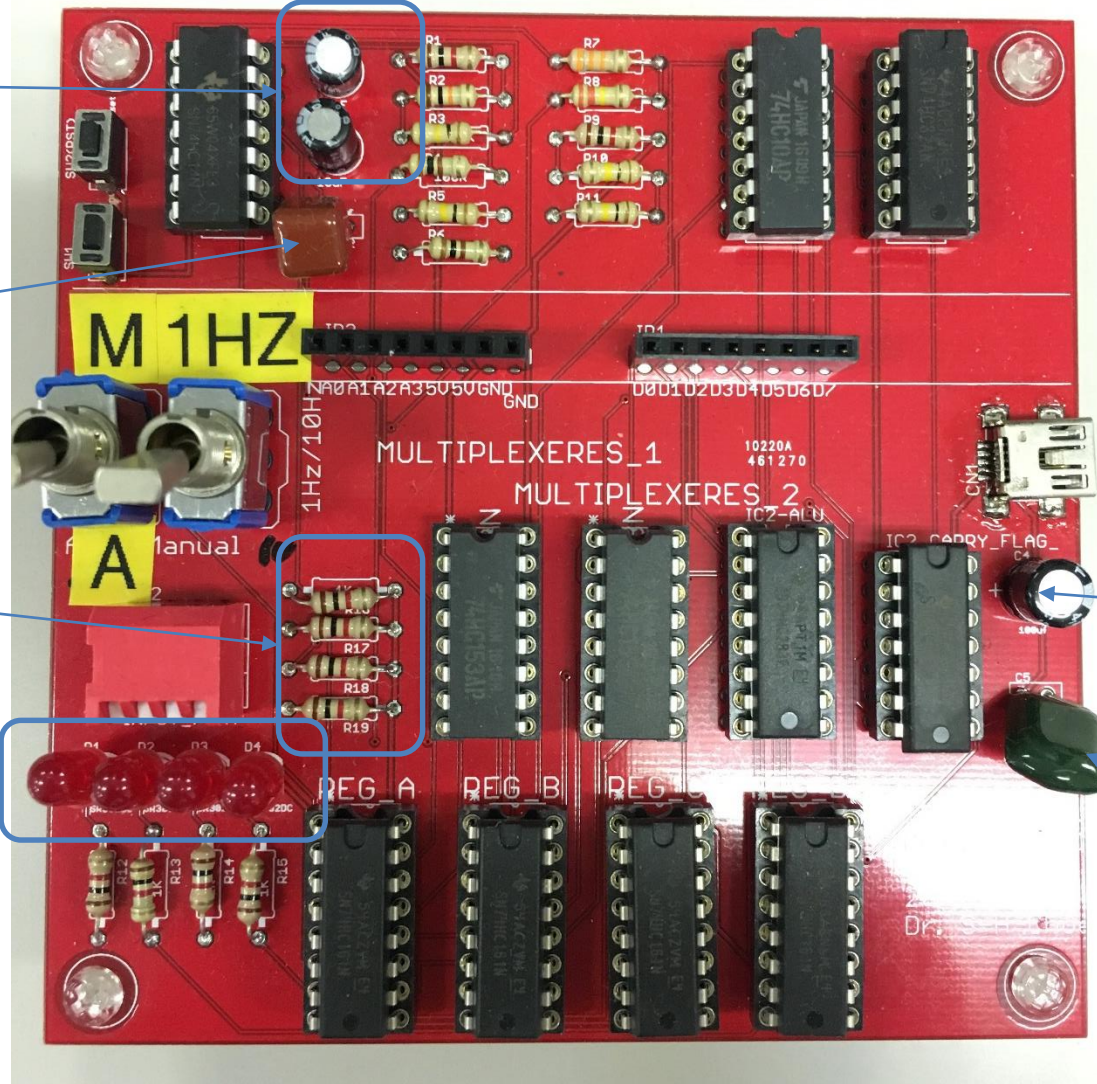
CPU Board 3

No 17.
アルミ電解コン
デンサ 10 μ F

No 18.
セラミックコンデ
ンサ 10 μ F

No 22. Resistor
1 k Ω m (4個)

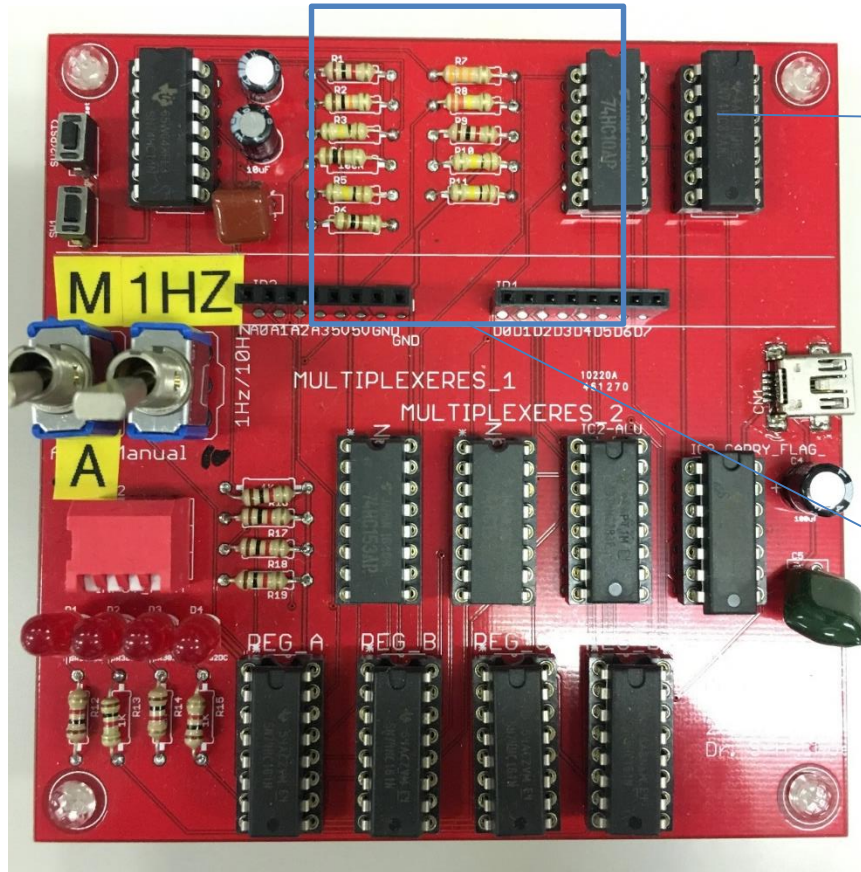
No 28. LED
SR302DC (4個)



No 19.
アルミ電解コン
デンサ 100 μ F

No 20. セラミッ
クコンデンサ
100 nF

CPU Board 4



No 22. Resistor 1 kOhm

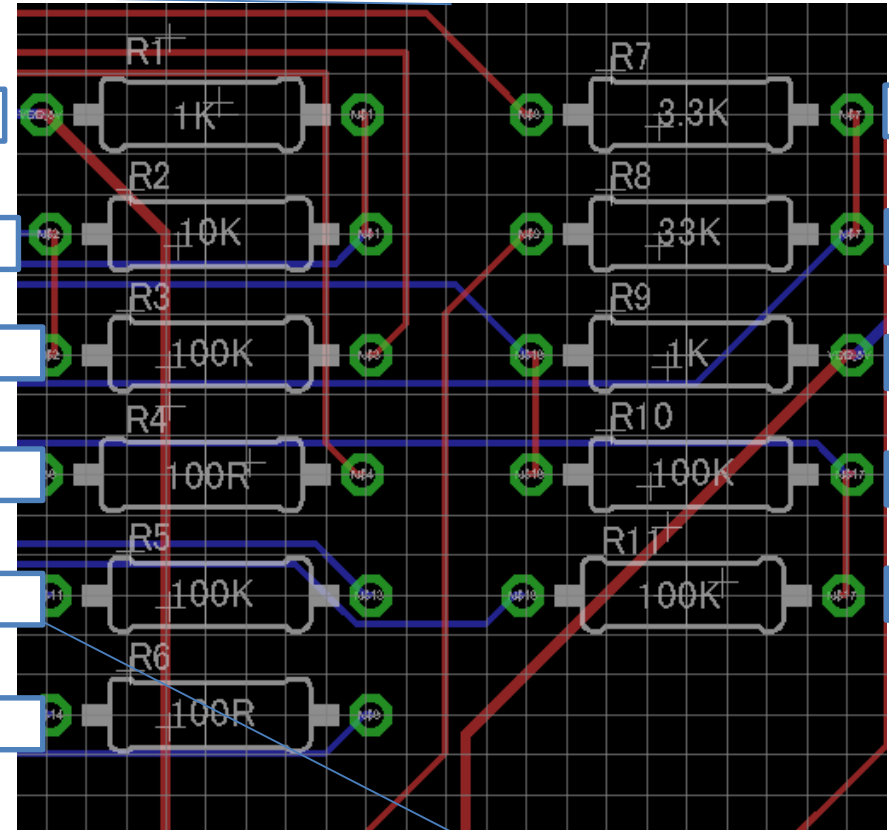
No 24. Resistor 10kOhm

No 26. Resistor 100kOhm

No 21. Resistor 100 Ohm

No 26. Resistor 100kOhm

No 21. Resistor 100 Ohm



No 23. Resistor 3.3 kOhm

No 25. Resistor 33 kOhm

No 22. Resistor 1 kOhm

No 26. Resistor 100kOhm

No 26. Resistor 100kOhm