

TH-RF08-549-0C (20210805)

Item	Component name	Component Specifications	Quantity	reference number
1	SMD IC	NYFZ-RF08-SOP14	1	U1
2	Chip resistors	0R 0805 +/-5%	1	0R
3	Chip resistors	0603-5.1nH $\pm$ 5%(High frequency inductor)	1	L1
4	Chip resistors	10K 0603 +/-5%	1	R2
5	Chip resistors	1K 0603 +/-5%	1	R1
6	Chip capacitors	3.3pF/50V 0603 $\pm$ 0.25pf NPO	1	C1 (TDK or Murata brand)
7	Chip capacitors	15pF/50V 0603 $\pm$ 0.25pf NPO	2	C4 C9
8	Chip capacitors	0.1uF/10V 0603 $\pm$ 10% X5R	1	C6
9	Chip capacitors	10uF/10V 0805 $\pm$ 20% X5R	1	C5
10	SMD crystal oscillator	16M 10PPM 9pF OSC-3225	1	Y1
11	SMD inductor	NC	1	L2
12	Chip capacitors	NC	1	C2
13	Chip capacitors	0.5pF/50V 0603 $\pm$ 0.25pf NPO	1	C3
14	SMD LED	0805LED	1	LED1