

STM8 Inductance Meter Components List

author : HS6502

date : 31-Dec-2024

Resistors :

Ref.	Value	Qty	Notes
R1,R2,R3,R6	10K	4x	All Resistors Package SMD 1206
R4	47K	1x	
R5	1K	1x	
R7...R14	270R	8x	

Capacitors :

C1	100uF	1x	TH Electrolyte Capacitor, Voltage : min 10V
C2	10uF	1x	
C4	1uF	1x	
C3	4.7nF	1x	MKT or Polyester Tolerance less than 5%
C5,C6	22pF	2x	SMD 1206, Optional
C7	1uF	1x	SMD 1206

Inductor :

L1	100uH	1x	0.5 or 1W better
----	-------	----	------------------

Semiconductors :

U1	LM393	1x	DIP-8
U2	STM8S003F3P6	1x	Microcontroller, TSSOP-20

Other :

J1,J2	2pin	2x	XH Connector
J3	3pin	1x	PinHeader
Y1	16MHz	1x	SMD Crystal, Optional
DISP1		1x	Common Anode,4digit 7segment 0.56"
	DIP-8	1x	DIP-8 IC Socket for U1, Optional