

TX Board

v3.13

Parts List



Designation	Description	Quantity
R1, R9	10K Ohm, 1/4 watt, 5%	2
R2, R10	1K Ohm, 1/4 watt, 5%	2
R3	3K Ohm, 1/4 watt, 1% Metal Film Resistor	1
R4	1K Ohm, 1/4 watt, 1% Metal Film Resistor	1
R5, R6	4.7K Ohm, 1/4 watt, 5%	2
R7, R8	4.7K Ohm, 1/4 watt, 5% **	2
R11	10K Ohm, 1/4 watt, 1% Metal Film Resistor	1
C1, C2, C4, C5, C6, C8, C9	100nf/50v Ceramic Capacitor	7
C10, C11, C12	Not needed. Don't Install	-
C3	220uF/16V Electrolytic Capacitor	1
C7	100uF/16V Electrolytic Capacitor	1
D1	1N4004 Diode	1
IC1	7809, Voltage regulator - TO-220	1
IC2	TMP36 Temperature Sensor *	1
IC3	82B715 Philips DIP8 – I2C bus extender *	1
IC4	AMS1117, 5V Voltage Regulator (included on board)	1
T1	BS170 MosFET Transistor	1
TXLED	3mm Led (R2 value according to color and LED type)	1
FANLED	3mm Led (R10 value according to color and LED type)	1
CPU	Arduino Nano v3.0	1
RF-TX	KXD-10036 RF Transmitter Module 433MHZ	1
SMA-EDGE	SMA Female PCB Connector	1
JP1	Fine Offset Wind Vane enabler (keep open for other brands)	1

* *Optional components*

***Only needed if IC3 installed. For cables longer than 1.5 meters the value of R7 and R8 can vary. See 82B715 datasheet.*

Obs: This list not includes references to any kind of connectors that may be needed. It's your choice using connectors or soldering wires directly into the board. Use your own judgment about what is best for you.

