

# TX Board

## v3.12

### Parts List



Designation	Description	Quantity
R1, R12	1K Ohm, 1/4 watt, 5%	2
R2, R3, R11	10K Ohm, 1/4 watt, 5%	3
R4	3K Ohm, 1/4 watt, 1% Metal Film Resistor	1
R5	1K Ohm, 1/4 watt, 1% Metal Film Resistor	1
R7, R8	4.7K Ohm, 1/4 watt, 5%	2
R9, R10	4.7K Ohm, 1/4 watt, 5% **	2
R6	20K Ohm, 3362P-1-203 Variable Resistor	1
C1, C2, C4, C5, C6, C9	100nf/50v Ceramic Capacitor	6
C10, C11, C12	Not needed. Don't Install	-
C3	470uF/16V Electrolytic Capacitor	1
C7	10uF/16V Tantalum 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	2N7000 MosFET Transistor	1
T2	IRLZ44N MosFET transistor	1
TXLED	3mm Led ( R1 value according to color and LED type)	1
FANLED	3mm Led ( R12 value according to color and LED type)	1
CPU	Arduino Nano v3.0	1
RF-TX	KXD-10036 RF Transmitter Module 433MHZ	1
SMA-G	SMA Female Board Connector	1
JP2	Fine Offset Wind Vane enabler (keep open for other brands)	1
WIND, RAIN	RJ12 and RJ11 connectors (included with the board)	2

\* *Optional components*

\*\**Only needed if IC3 installed. For cables longer than 1.5 meters the value of R9 and R10 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.

