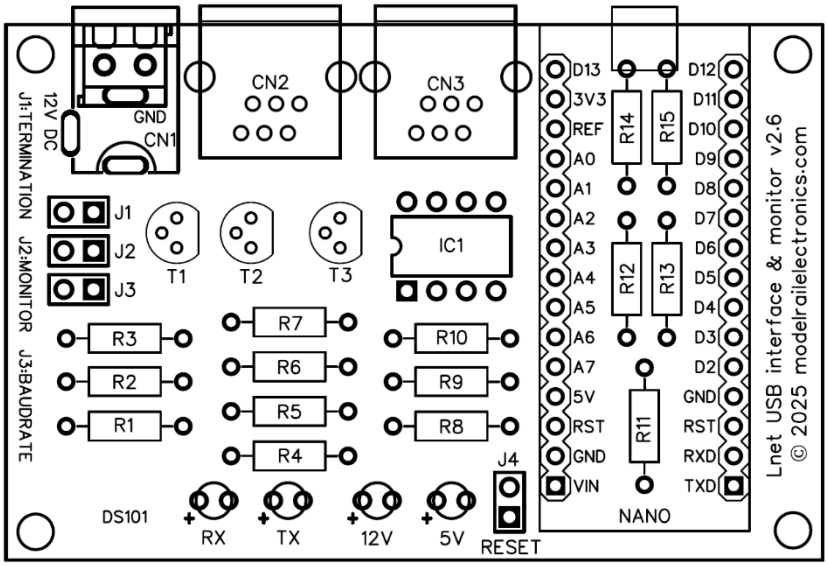
DS101 – Lnet USB interface & monitor v2.6

Mount the components in the below order (sort components in advance):

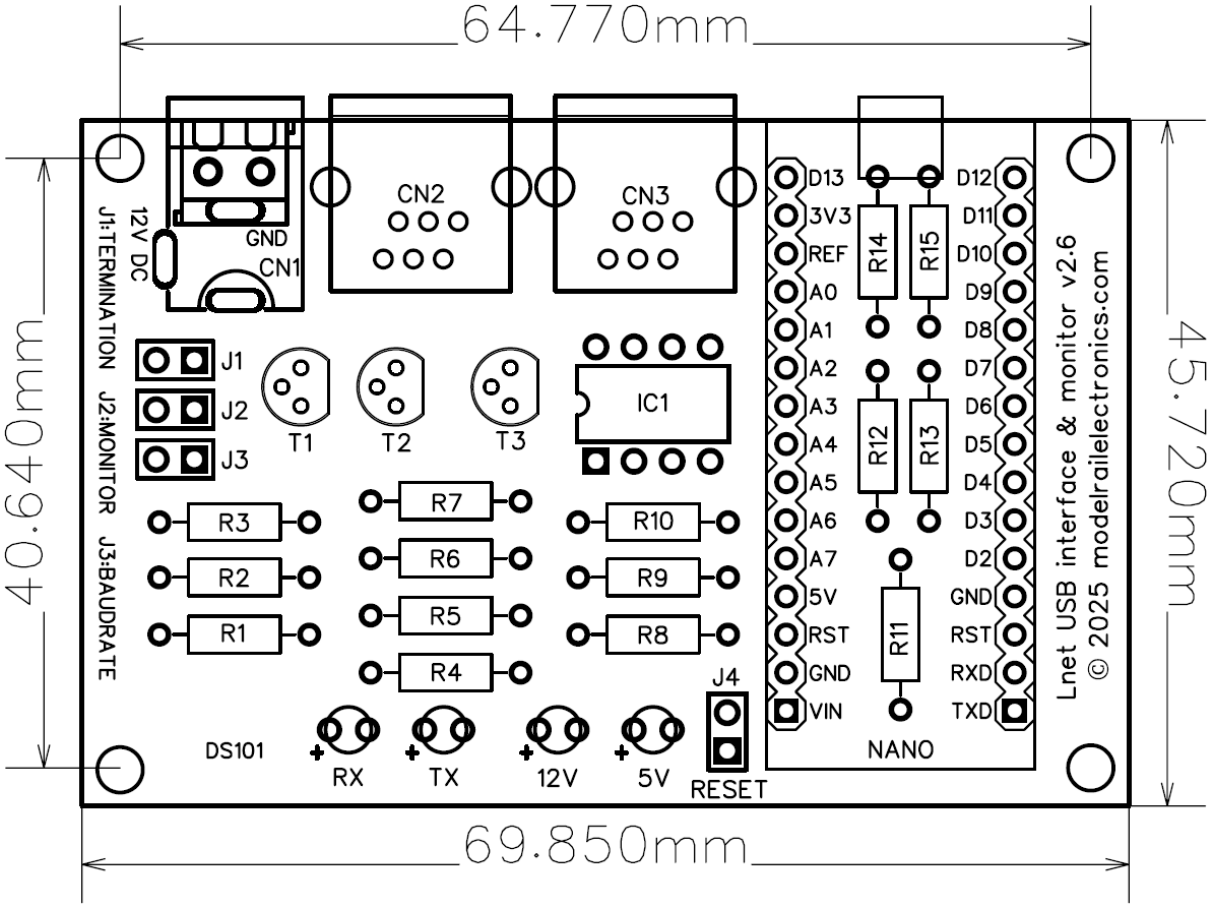
#	Quantity	Name	Value		
1	1	R1	47k	Yellow-Violet-Black-Red-Brown	
2	1	R2	10k	Brown-Black-Black-Red-Brown	
3	1	R3	47	Yellow-Violet-Black-Gold-Brown	
4	1	R4	2k7	Red-Violet-Black-Brown-Brown	
5	1	R5	150k	Brown-Green-Black-Orange-Brown	
6	1	R6	240k	Red-Yellow-Black-Orange-Brown	
7	1	R7	4k7	Yellow-Violet-Black-Brown-Brown	
8	1	R8	39k	Orange-White-Black-Red-Brown	
9	1	R9	27k	Red-Violet-Black-Red-Brown	
10	1	R10	1k	Brown-Black-Black-Brown-Brown	
11	1	R11	1k8	Brown-Grey-Black-Brown-Brown	
12	2	R12,R13	1k5	Brown-Green-Black-Brown-Brown	
13	2	R14,R15	68k	Blue-Grey-Black-Red-Brown	
14	1	J1 (TERMINATION)	2 pin header male		
15	1	J2 (MONITOR)	2 pin header male		
16	1	J3 (BAUDRATE)	2 pin header male		
		J4 (RESET)	2 pin header male (optional)		
17	2	T1,T2	BC547		
18	1	T3	BC337		
19	1	IC1	IC socket DIP8		
20	2	LED RX, LED TX	LED 3mm, yellow, low current (2.1V, 2mA)		
21	1	LED 12V	LED 3mm, green, low current (2.2V, 4mA)		
22	1	LED 5V	LED 3mm, red, low current (1.75V, 2mA)		
23	2	PIN header	15 pin header female		
24	1	CN1	POWER JACK 5.5/2.1 or KF350 2P screw terminal		
25	2	CN2,CN3	RJ12 connector short		
26	1	IC1	LM393N		
27	1	J1	Jumper		



J1 – Termination current
J2 – Monitor function
J3 – Baudrate selection

RESET = Arduino reset

Serial interface settings:
J3 off: 19200, N, 8, 1
J3 on: 57600, N, 8, 1


64.770mm
40.640mm
45.720mm
69.850mm
12V DC
GND
CN1
CN2
CN3
J1:TERMINATION J2:MONITOR J3:BAUDRATE
J1
J2
J3
T1
T2
T3
IC1
R3
R2
R1
R7
R6
R5
R4
R10
R9
R8
J4
DS101
RX
TX
12V
5V
RESET
D13
3V3
REF
A0
A1
A2
A3
A4
A5
A6
A7
5V
RST
GND
VIN
R14
R15
R12
R13
R11
NANO
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
GND
RST
RXD
TXD
Lnet USB interface & monitor v2.6
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