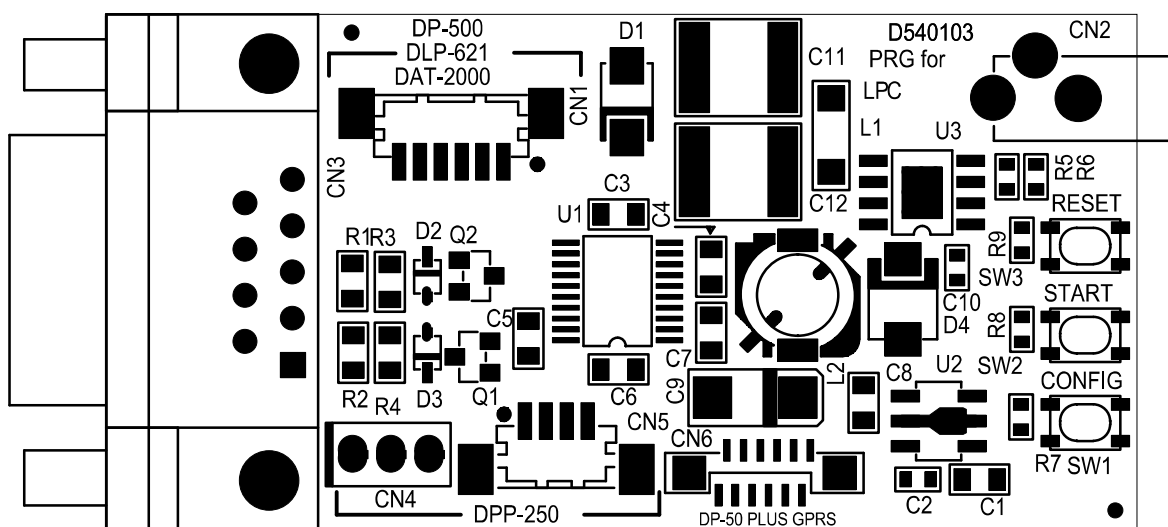


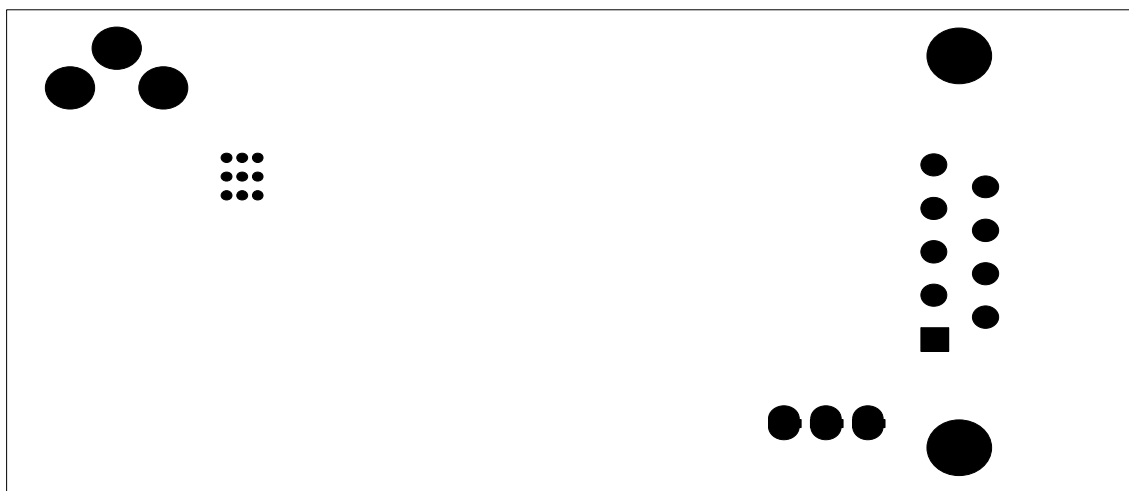
7.1 Електрическа схема на програмиращата платка

7.2 Монтажна схема на програмираща платка

• Top view



• Bottom view



7.3 Спецификация на елементите на програмиращата платка

Позиция	Тип	Стойност	Продуктов Номер
C1	Chip Capacitor 0805	1u/50V	0805F105Z50V
C2	Chip Capacitor 0603	10n/50V	0603B103K50V-2
C3	Chip Capacitor 0805	100n/50V	CC0805KRX7R9BB104
C4	Chip Capacitor 0805	100n/50V	CC0805KRX7R9BB104
C5	Chip Capacitor 0805	100n/50V	CC0805KRX7R9BB104
C6	Chip Capacitor 0805	100n/50V	CC0805KRX7R9BB104
C7	Chip Capacitor 0805	100n/50V	CC0805KRX7R9BB104
C8	Chip Capacitor 0805	1u/50V	0805F105Z50V
C9	Tantal Capacitor Case C	100u/6V3	293D107X06R3C8W
C10	Chip Capacitor 0603	10n/50V	0603B103K50V-2
C11	Chip Capacitor 2220	10u/50V	C5750X7R1H106MT
C12	Chip Capacitor 2220	10u/50V	C5750X7R1H106MT
CN1	Connector SMD	Molex 53398-06	53398-0671 (RoHS)
CN2	DC Power Socket DIP	MOJ	TDC-009-2-1.3MM-PBT-T-2
CN3	Connector DIP	Serial 9 pin F 90g GND	DS-9S-90A
CN4	Cable	Cable	NA
CN5	Connector SMD	Molex 53398-04	53398-0471 (RoHS)
CN6	Connector SMD	BL112-12S	BL112-12S-TA
D1	Diode Schottky 2A SMA	SR24	SR24
D2	Diode SOD323	BAS316	BAS316
D3	Diode SOD323	BAS316	BAS316
D4	Diode Schottky 3A SMB	SR34	SR34
L1	Ferrite Bead Power 1806	1.6uH/1.5A	BLM41PG102SN1
L2	Power Inductor SMD	22uH/1.23A	SCDS74T-220M-N
Q1	NPN Transistor TO236MOD	2SC2712	2SC2712-GR
Q2	NPN Transistor TO236MOD	2SC2712	2SC2712-GR
R1	Chip Resistor 5% 0805	10k	RC0805JR-0710KL
R2	Chip Resistor 5% 0805	10k	RC0805JR-0710KL
R3	Chip Resistor 5% 0805	10k	RC0805JR-0710KL
R4	Chip Resistor 5% 0805	10k	RC0805JR-0710KL
R5	Chip Resistor 5% 0603	18k	RC0603JR-0718KL
R6	Chip Resistor 5% 0603	8k2	RC0603JR-078K2L
R7	Chip Resistor 5% 0603	10k	RC0603JR-0710KL
R8	Chip Resistor 5% 0603	10k	RC0603JR-0710KL
R9	Chip Resistor 5% 0603	10k	RC0603JR-0710KL
SW1	Tact Switch 4.2x3.2x2.5 2.55N	TACT SW 4.2x3.2x2.5	SKRSPACE010
SW2	Tact Switch 4.2x3.2x2.5 2.55N	TACT SW 4.2x3.2x2.5	SKRSPACE010
SW3	Tact Switch 4.2x3.2x2.5 2.55N	TACT SW 4.2x3.2x2.5	SKRSPACE010
U1	RS-232 Driver TSSOP20	MAX3223CPW	MAX3223CPW
U2	Voltage Regulator SOT89-5	NJM2880U-3.3	NJM2880U1-33-TE1
U3	Step-Down Swift Converter SO-8 POWER PAD	TPS5430	TPS5430DDAR