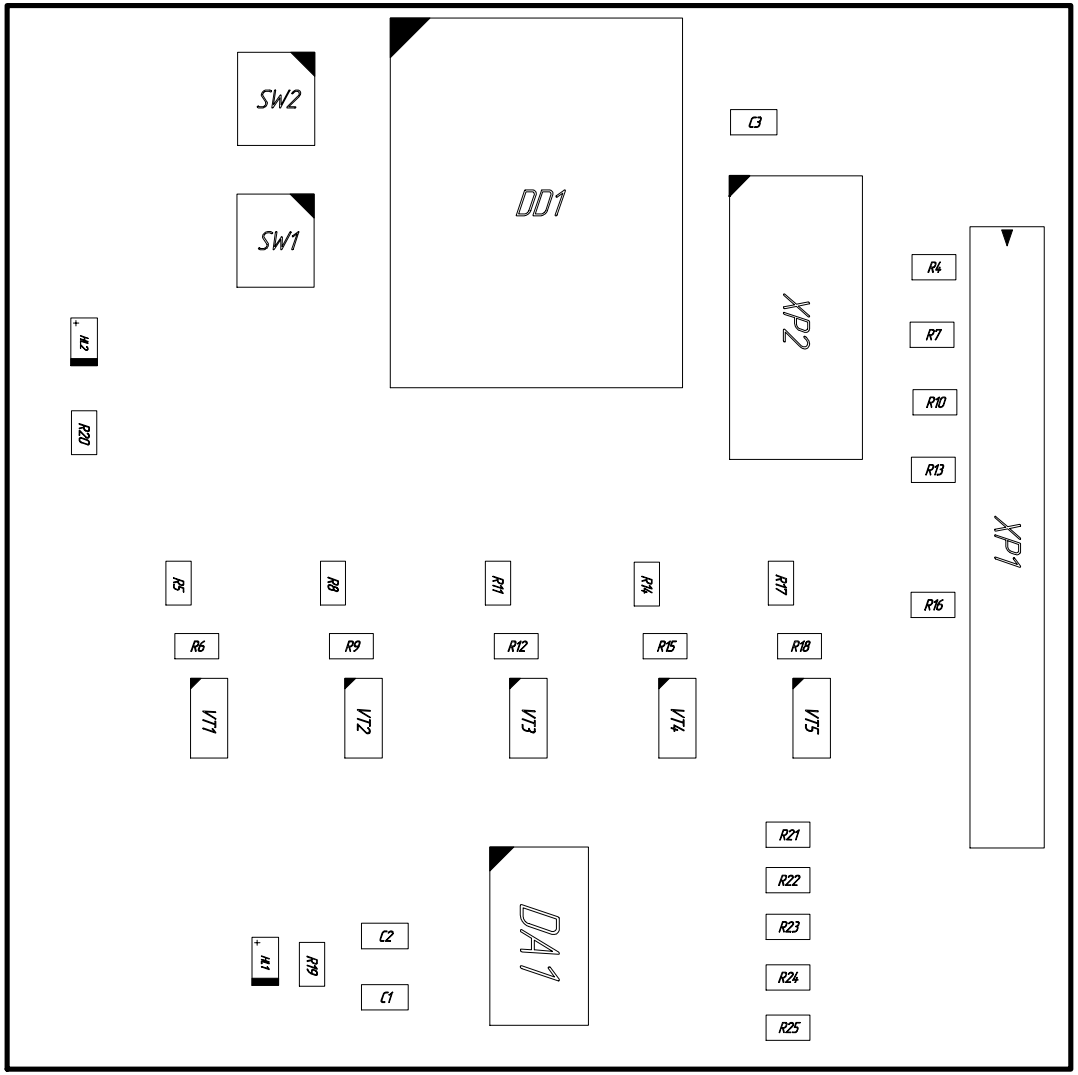
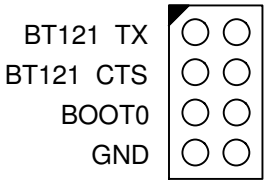


Top-side View

Item No	Qty	Ref Des	Part Name
	2.000	C1, C3	06035C104KAT4A
	1.000	C2	0603YD106KAT2A
	2.000	HL1-HL2	APT1608EC
	5.000	VT1-VT5	BC817-16
	1.000	DD1	BT121
	5.000	R21-R25	CRCW06030000ZSTA
	10.000	R4, R6-R7, R9-R10, R12-R13, R15-R16, R18	CRCW060310K0FKTA
	5.000	R5, R8, R11, R14, R17	CRCW06031K00FKTA
	2.000	R19-R20	CRCW0603330RFKTA
	2.000	SW1-SW2	EVP-AA202K
	1.000	DA1	LD1117S33CTR
1	1.000	PCB	PCB
	1.000	XP2	PLD-8
	1.000	XP1	PLS-9

XP2



For flash firmware you have to:
1. Pullup **BOOT0** (over *XP2* or by *SW2*)
2. Pulldown **RESET** (over *XP2* or by *SW1*)
3. Release **BOOT0** (over XP2 or by SW2)
3. Flash firmware over **UART** in XP2 (*RX*, *TX*, *CTS*, *RTS*)

Assembly notes

1. R21-R25 are optional pull-up 10K resistors to 3.3V for output lines.
2. R4, R7, R10, R13, R15 - current limit resistors. Install 0R in case installed R21-R25 pullups.
3. Do not install XP1

DRAWN Borchevkin	DATE	TITLE Chair Controller	
ENGINEER Saveliev	DATE		
CHECKED Borchevkin	DATE		
APPROVED Borchevkin	DATE	SIZE A3 / CAGE CODE / DWG NO	REV A
ISSUED	DATE	SCALE 5 : 1	SHEET 1 OF 1