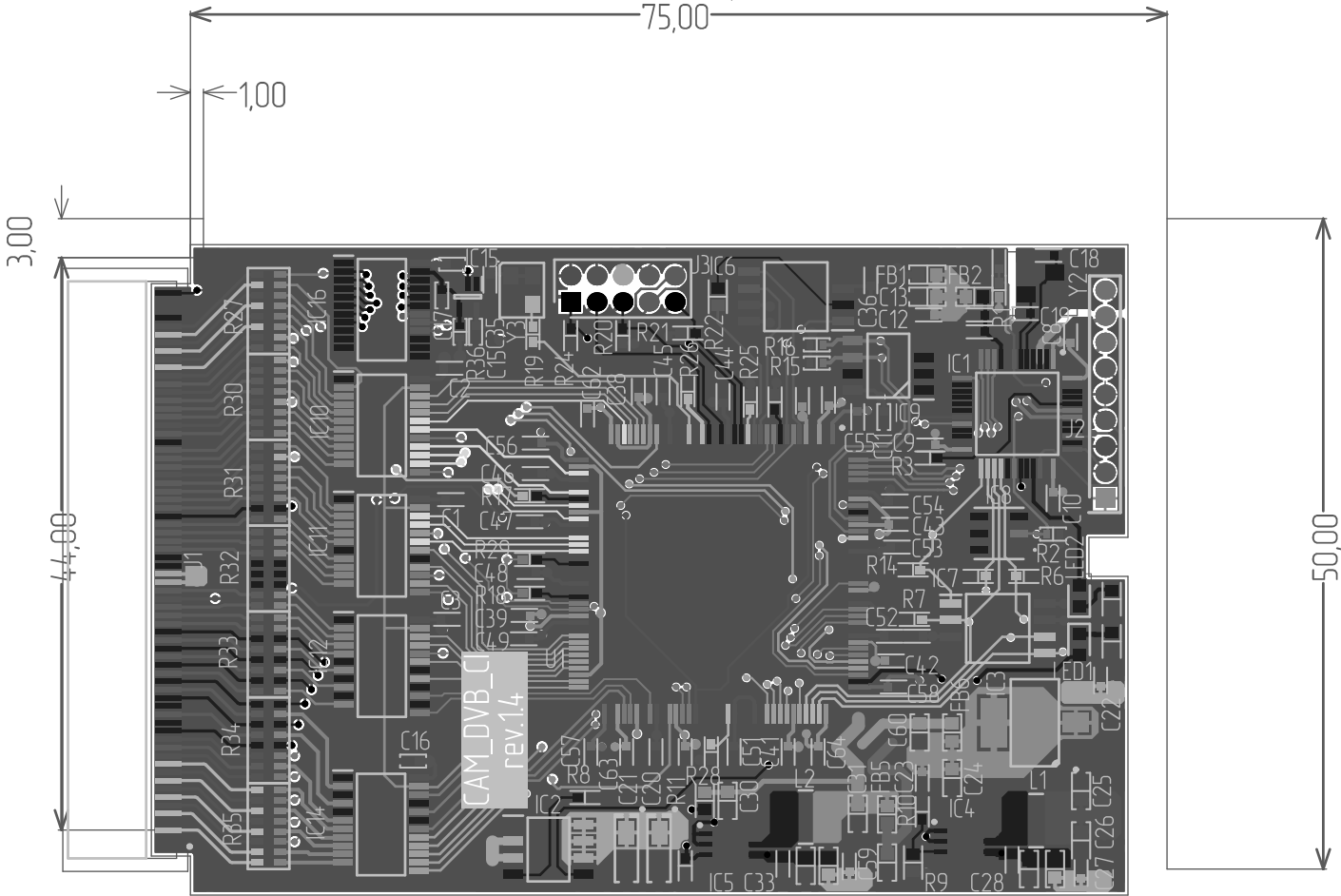


Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				/ / / / / / / / / /
	Top Solder	SM-001	0,025mm	3.5	
	Top Copper Plating	PbSn	0,027mm		
1	Top Layer	CF-003	0,035mm		/ / / / / / / / / /
	Dielectric 1	FR4 PR	0,190mm	4.6	
2	Int1	CF-003	0,035mm		/ / / / / / / / / /
	Dielectric 2	FR4 Tg150	0,236mm	4.1	
3	Int2	CF-003	0,035mm		/ / / / / / / / / /
	Dielectric 3	FR4 PR	0,190mm	4.6	
4	Bottom Layer	CF-003	0,035mm		/ / / / / / / / / /
	Bottom Copper Plating	PbSn	0,027mm		
	Bottom Solder	SM-001	0,025mm	3.5	
	Bottom Overlay				/ / / / / / / / / /

Total board thickness: 0,861mm



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1 µF	CAP CER 0.1UF 16V X7R 0402	C1, C2, C3, C5, C6, C8, C9, C10, C11, C14, C15, C16, C22, C23, C27, C28, C32, C33, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C61, C62, C63, C64, C65	CAP 0402_1005	CC0402KRX7R7BB104	47
1 µF	CAP CER 1UF 10V X5R 0402, CAP CER 1UF 16V X5R 0402	C7, C12, C17	CAP 0402_1005	CC0402KRX5R6BB105, CC0402KRX5R7BB105	3
CC0603KRX5R6BB106	CAP CER 10UF 10V X5R 0603	C13, C59, C60	CAP 0603_1608	CC0603KRX5R6BB106	3
12 pF	CAP CER 12PF 50V COG/NPO 0402	C18, C19	CAP 0402_1005	CC0402FRNPO9BN120	2
10 µF	CAP TANT 10UF 10% 16V 1206	C20, C21	CAP POL 1206_3216	T494A106K016AT	2
22 µF	CAP CER 22UF 6.3V X5R 0603	C24, C25, C26, C30, C31	CAP 0603_1608	CC0603MRX5R5BB226	5
4.7 µF	CAP CER 4.7UF 10V X5R 0603	C29, C34	CAP 0603_1608	CC0603KRX5R6BB475	2
600 Ohms @ 100 MHz	FERRITE BEAD 600 OHM 0603 1LN	FB1, FB2	FER 0603_1608	BLM18KG601SN1D	2
220 Ohms @ 100 MHz	FERRITE BEAD 220 OHM 0603 1LN	FB3, FB4, FB5, FB6	FER 0603_1608	BLM18EG221SN1D	4
STM32F302C8T6	Integrated Circuit	IC1	QFP50P900X900X160-48N	STM32F302C8T6	1
TPS2041BD	Integrated Circuit	IC2	SOIC127P600X175-8N	TPS2041BD	1
NCP1117S125T3G	IC REG LINEAR 2.5V 1A SOT223	IC3	ON SEMI SOT-223 ST(318H)	NCP1117S125T3G	1
ST1S10PUR	Integrated Circuit	IC4, IC5	SON80P400X400X100-9N-D	ST1S10PUR	2
MT25QL128ABA1ESE-0SIT_TR	Integrated Circuit	IC6	SOIC127P790X216-8N	MT25QL128ABA1ESE-0SIT_TR	1
W25Q64CVSSIG	Integrated Circuit	IC7	SOIC127P790X216-8N	W25Q64CVSSIG	1
DS28E01P-100+T	Integrated Circuit	IC8	DS28E01P100T	DS28E01P-100+T	1
ATECC608A-SSHDA-B	Integrated Circuit	IC9	SOIC127P600X175-8N	ATECC608A-SSHDA-B	1
74CBTLV3861PW,118	Integrated Circuit	IC10, IC11, IC12, IC14, IC16	SOP65P640X110-24N	74CBTLV3861PW,118	5
74HC1G14GW,125	Integrated Circuit	IC15	SOT65P212X110-5N	74HC1G14GW,125	1
IC9-68RD-0.635SF	Connector Card Bus Socket	J1	IC9-68RD-0.635SF	IC9-68RD-0.635SF	1
PBS2-9	Connector, Header, Pitch 2mm, H=4.3mm	J2	PBS2-9	PBS2-9	1
PBD2-10	Connector	J3	PBD2-10	PBD2-10	1
10 µH	FIXED IND 10UH 1.3A 180 MOHM SMD	L1, L2	BOURNS SRN4018	SRN4018-100M	2
LED_0603_GREEN	LED_0603, GREEN	LED1	LED1608X80N	LTST-C190KGKT	1
LTST-C190KGKT	LED_0603, GREEN	LED2	LED1608X80N	LTST-C190KGKT	1
10 kOhms	RES 10K OHM 1% 1/16W 0402	R1, R3, R6, R7, R8, R10, R12, R13, R14, R20, R21, R23, R25, R26, R28	RES 0402_1005	RC0402FR-0710KL	15
4.7 kOhms	RES 4.7K OHM 1% 1/16W 0402	R2, R15, R16	YAGEO RES 0402_1005	RC0402FR-074K7L	3
220 Ohms	RES 220 OHM 1% 1/10W 0603	R4, R5	RES 0603_1608	RC0603FR-07220RL	2
31.6 kOhms	RES 31.6K OHM 1% 1/10W 0603	R9	RES 0603_1608	RC0603FR-0731K6L	1
5.11 kOhms	RES 5.11K OHM 1% 1/10W 0603	R11	RES 0603_1608	RC0603FR-075K11L	1
0 Ohms	RES 0 OHM JUMPER 1/16W 0402	R17, R18, R29	RES 0402_1005	RC0402JR-070RL	3
33 Ohms	RES 33 OHM 1% 1/16W 0402	R19	RES 0402_1005	RC0402FR-0733RL	1
33 Ohms	RES 33 OHM 1% 1/10W 0603	R22	RES 0603_1608	RC0603FR-0733RL	1
1 kOhms	RES 1K OHM 1% 1/16W 0402	R24	RES 0402_1005	RC0402FR-071KL	1
CAT16-330J8LF	RES ARRAY 33 OHM 8 RES 2506	R27, R30, R31, R32, R33, R34, R35	RESNET 2506-16 CONCAVE	CAT16-330J8LF	7
10 kOhms	RES 10K OHM 1% 1/16W 0402	R36	YAGEO RES 0402_1005	RC0402FR-0710KL	1
EP4CE22E22C6N	IC FPGA 79 I/O 144EQFP	U1	QFP50P2200X2200X145-145N	EP4CE22E22C6N_1	1
DSX321G-25M-12P	Crystal or Oscillator XTAL OSC XO 27.0000MHZ CMOS SMD	Y2	DSX321G20M	DSX321G-25M	1
27 MHz	Crystal or Oscillator XTAL OSC XO 27.0000MHZ CMOS SMD	Y3	ABRACON ASE	ASE-27.000MHZ-ET	1