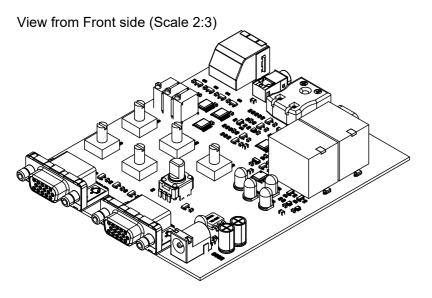
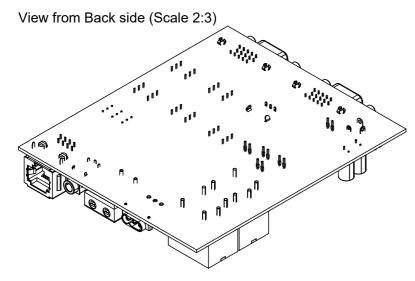


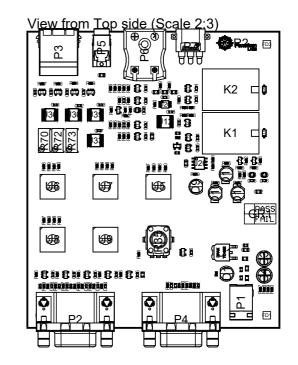
PCB ASSEMBLY SPECIFICATIONS "LTK-HALL 2019" Variant: "[No Variations]"

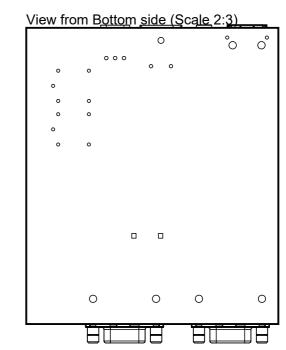
SPECIFICATIONS

NOTE#	NOTE
1	ALL SPECIFICATIONS REFERENCED SHALL BE OF THE LATEST REVISION UNLESS OTHERWISE NOTED
2	SUPPLIER SHALL NOT MODIFY THE DESIGN WITHOUT WRITTEN PERMISSION
4	THE BOM IN THIS DOCUMENT IS PURELY AN AID TO ASSEMBLY OPERATIONS AND MAY NOT HAVE THE MOST UP-TO-DATE DATA OR ALL APPROVED COMPONENT ALTERNATIVE.



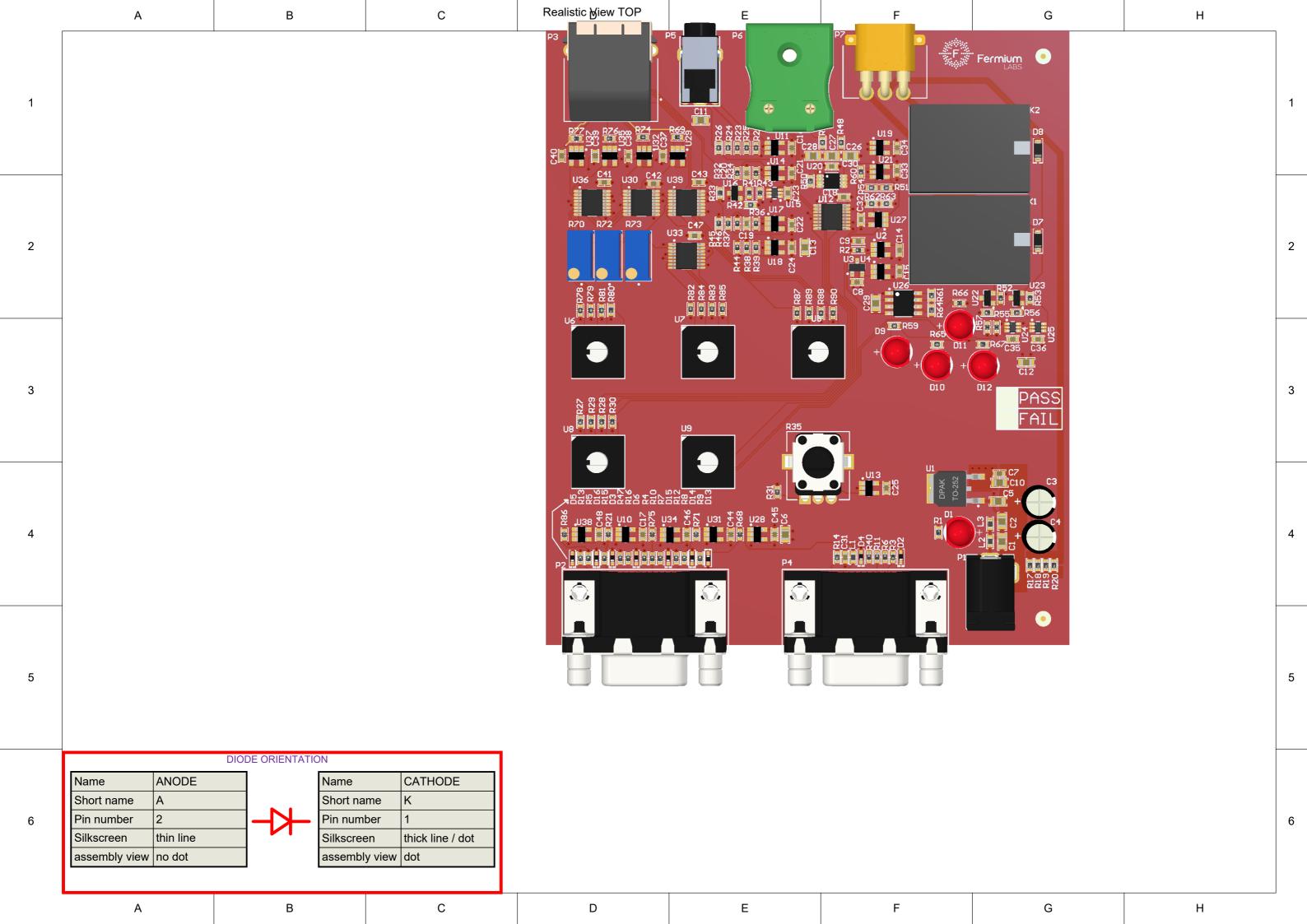


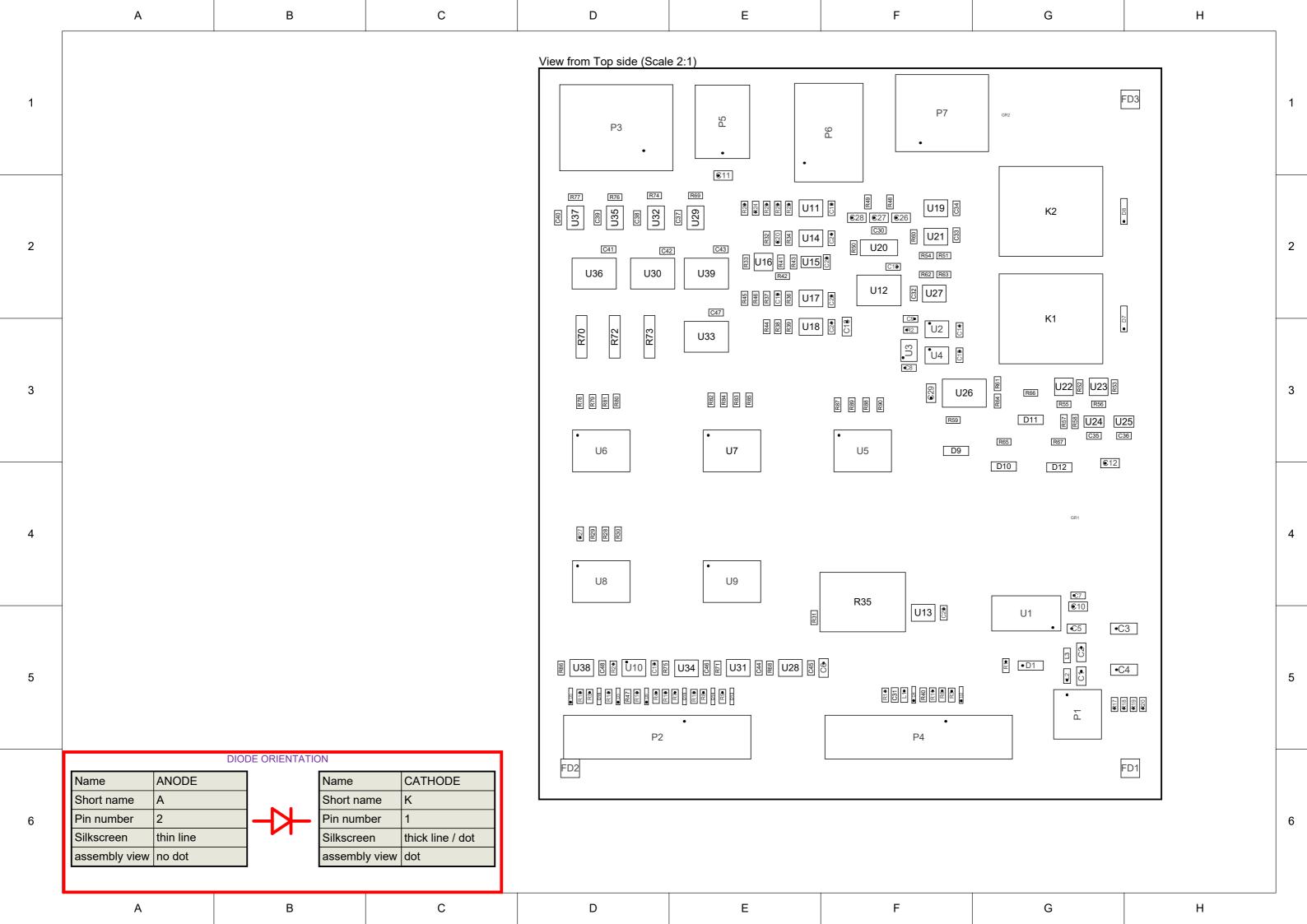


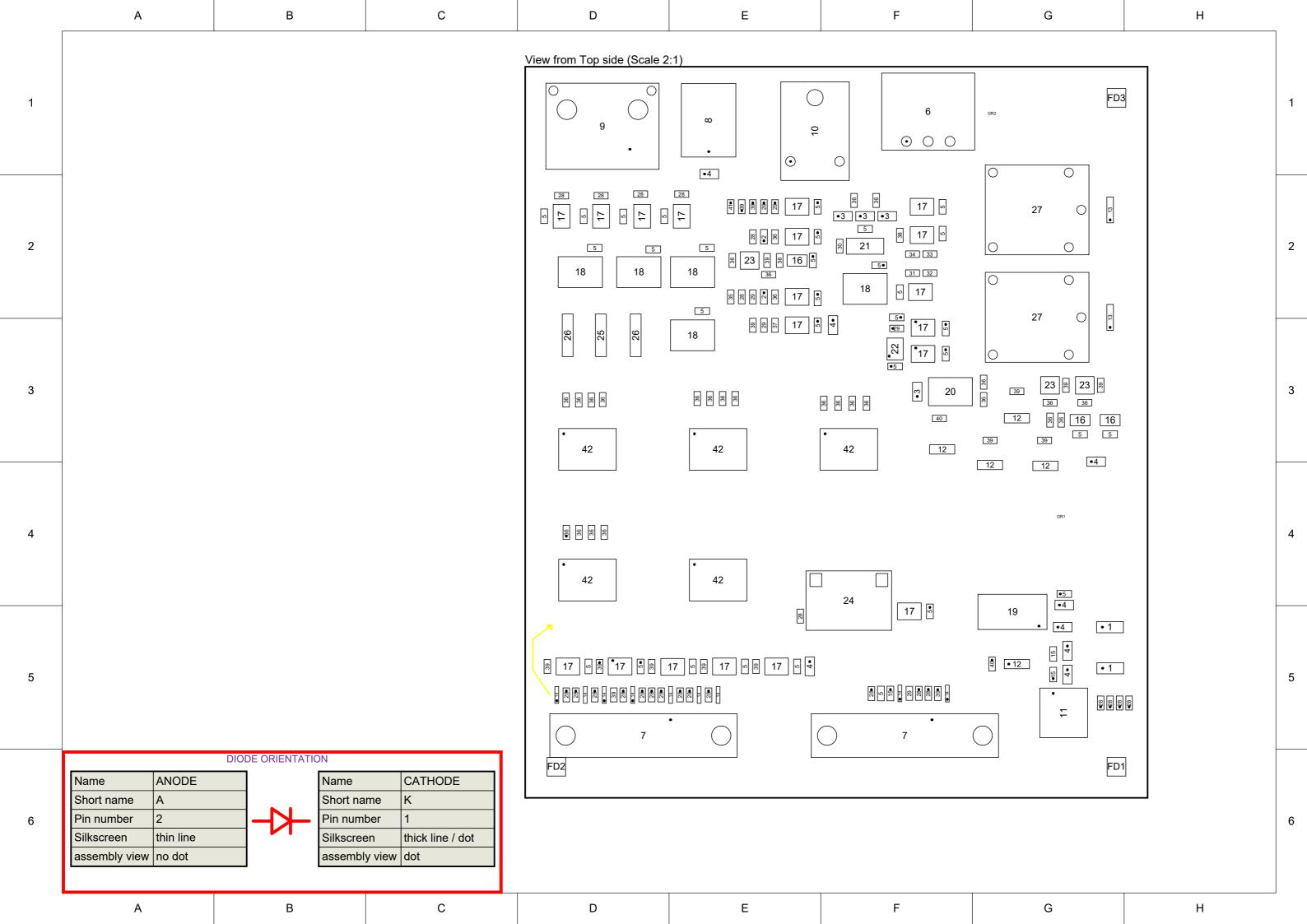


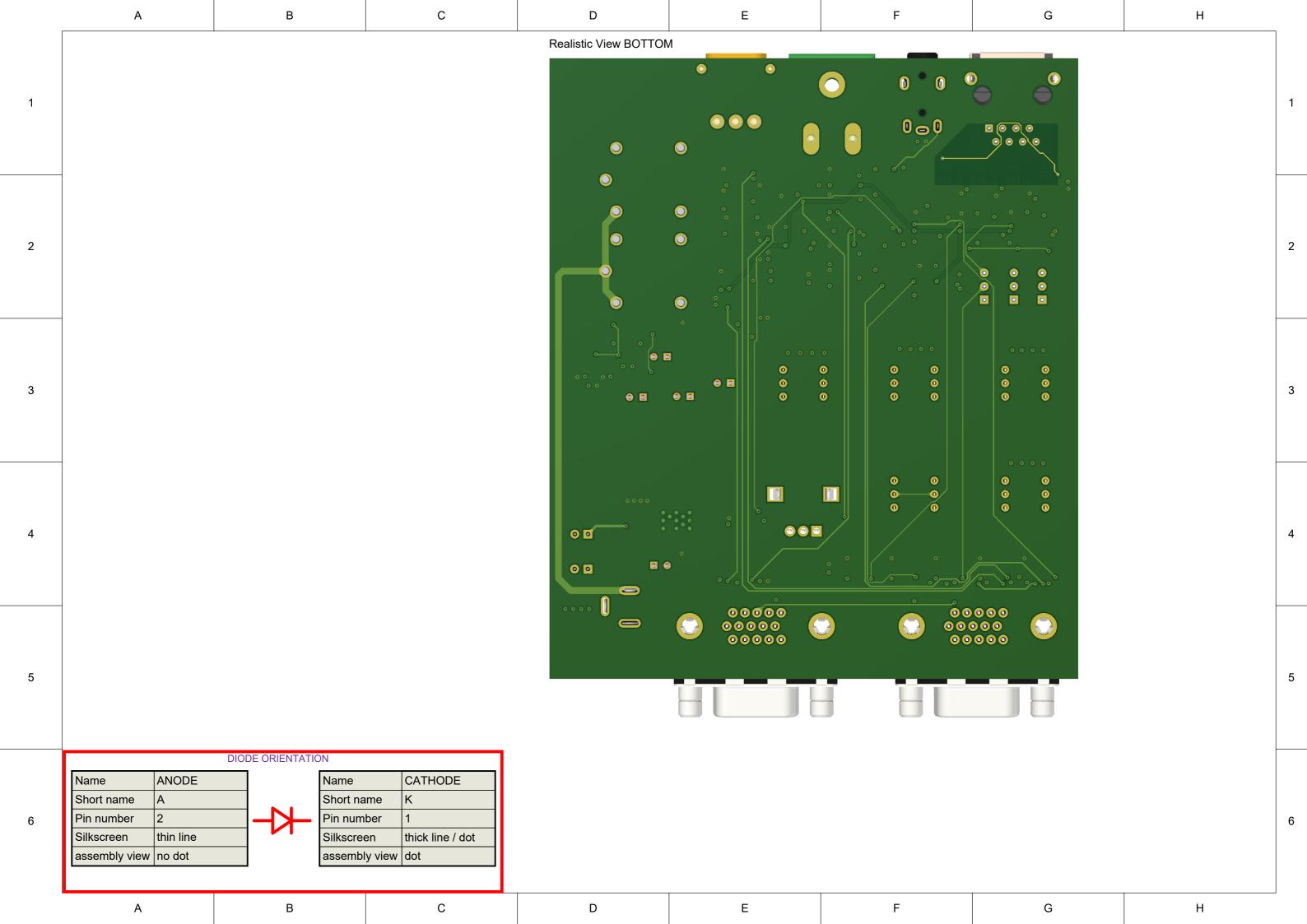
6

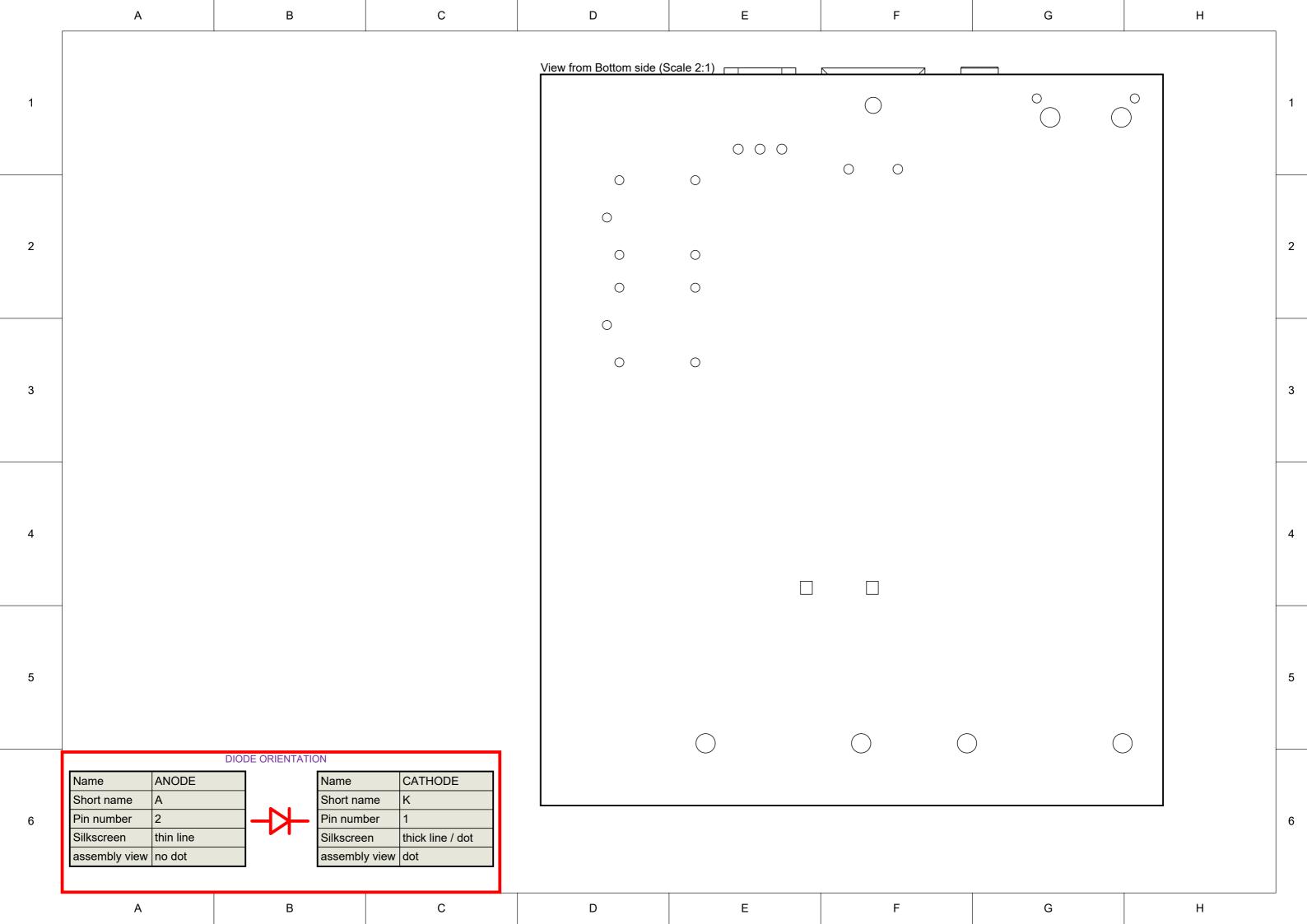
A B C D E F G

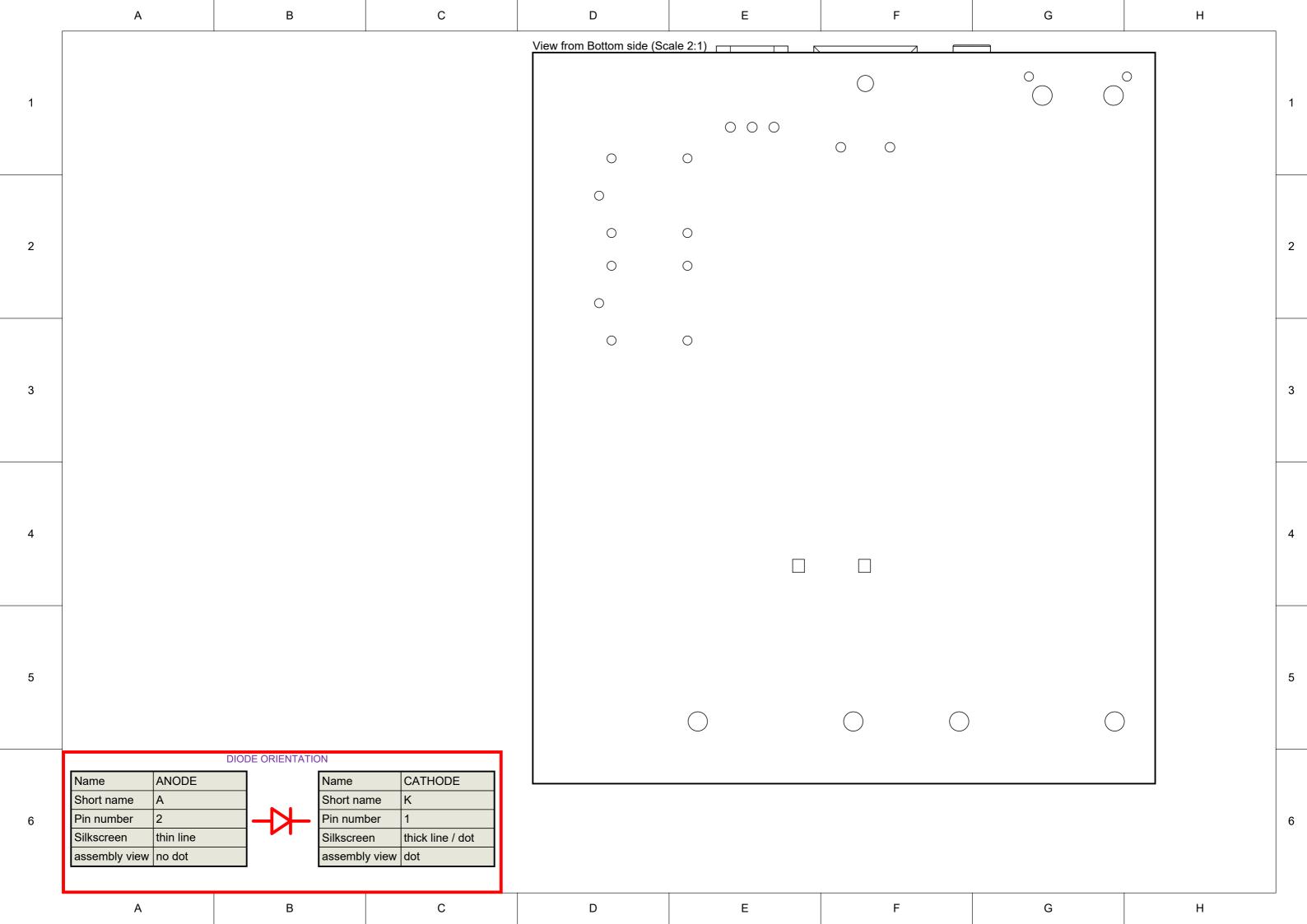


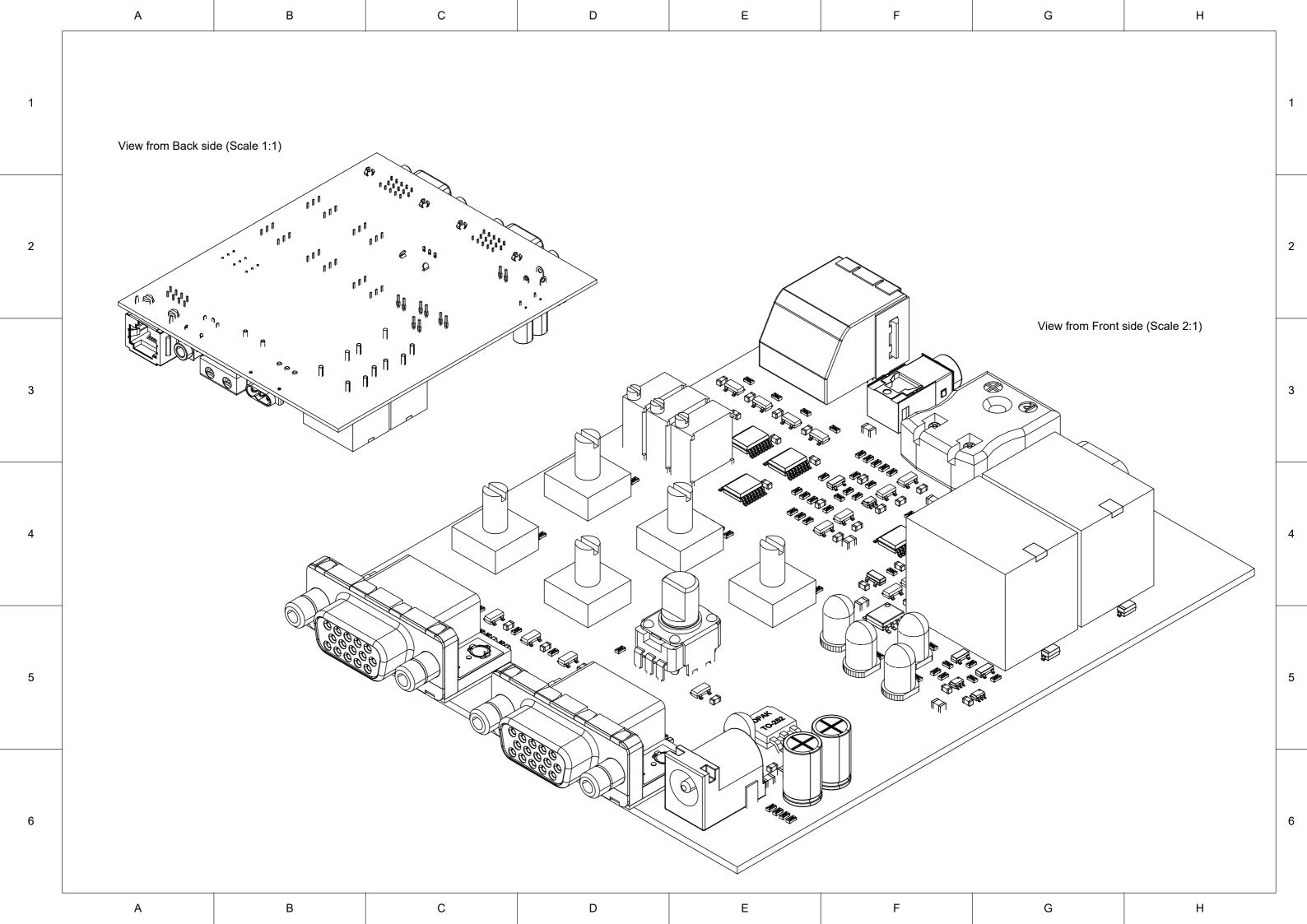












#	Description	Designator	Quantity	Manufacturer Part Number 1	Part Number	Layer
	CAP THT ELEC 220uF 25V 20%	C3, C4	2	25PK220MEFC-6.3*11	1a28df19-6d3e-4a71-836c-f22920f8e8ab	
	CAP SMD MLCC 10nF 50V 0603 X7R	C19, C20	2	CC0603KRX7R9BB103	84e1ebe1-2230-4987-8231-c47d83fa5f7f	
	CAP SMD MLCC 10uF 25V 0805 X5R	C26, C27, C28, C29	4	CL21A106KAYNNNE	1ffbe5a9-0884-4740-bdad-20a6a98400e6	
	CAP SMD MLCC 22uF 25V 0805 X5R	C1, C2, C5, C6, C10, C11, C12, C13	8	CL21A106KAYNNNE	4e18e584-a077-4dfe-b9da-5e528e787323	
	CAP SMD MLCC 100nF 25V 0603 X7R	C7, C8, C9, C14, C15, C16, C17, C18, C21, C22, C23, C24, C25, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48	32	CL10B104KA8NNNC	02841f84-ac15-41b5-9e17-915f8f067828	
	CONN DC 3 POLE 15A PCB MALE	P7	1	MR30PW-M	8565bfd1-7a71-455a-a363-4ce9dda60de6	
	CONN D-SUB HD 15POLES BLACK THT	P2, P4	2	ICD15S13E4GV00LF	af155709-b835-40ac-b9b5-4a44b0fd2777	
	CONN JACK 3.5MM 4POLE THT	P5	1	FC68125	3e3c57e9-f1b8-4c12-8bb1-97da9eb9c220	
	CONN RJ45 SHIELDED	P3	1	5555153-1	f401b84a-9695-45b1-951e-00bef0039069	
	CONN THERMOCOUPLE K-TYPE THT	P6	1	IM-K-PCB	44088476-53fa-4578-a611-1fd63affe7b4	
	CONN THT DC JACK 0.5A 30VDC 5Kcycles	P1	1	DC-005A-20A	b53db51a-1725-412b-9039-fa7a45c7c438	
	DIODE LED THT 5MM RED 200mcd	D1, D9, D10, D11, D12	5	333-2SURD/S530-A3-L	c65ae3d2-9539-4634-8979-616a331b7494	
	DIODE SMD 100V 150mA 1.5Vf SOD-123 4148	D7, D8	2	1N4148W-TP	5e920700-75df-48e3-84dd-8f9f777caed8	
	DIODE SMD TVS 5V BIDIRECTIONAL SOD-523	D2, D3, D4, D5, D6, D13, D14, D15, D16	9	PESD5V0S1BBN	daa58212-38e2-4326-a156-8e48058c46f1	
	FER SMD CHIP 0603 800mA 1K@100MHz 300mOhm	L1, L2, L3	3	MPZ1608S102ATA00	a4b2e015-bf25-47b8-954c-a5b040744a3a	
	IC LOGIC PORT CONFIGURABLE AND, OR, NAND, NOR, XOR, BUFFER, NOT					
	8ns 74XX58 SC-70	U15, U24, U25 U2, U4, U10, U11, U13, U14, U17, U18, U19, U21,	3	NC7SZ58P6X	22da43c7-1950-42f4-bc93-10d9cca79b4d	
	IC OPAMP 65uV 1pA RRIO 5V 80mA SOT-23-5	U27, U28, U29, U31, U32, U34, U35, U37, U38	19	AD8605ARTZ	5610e9ea-bca8-49b2-8e5f-11409231f6a4	
	IC PGA G0-4094 SPI-PARALLEL 5V RRIO SSOP-16	U12, U30, U33, U36, U39	5	LTC6915CGN#PBF	59fe82cd-fd18-4813-9f52-e2e78a460aff	
	IC SMD LINEAR VOLTAGE REGULATOR 5V 500mA DPAK/TO-252	U1	1	L78M05ABDT-TR	446536aa-1bdd-4764-8cae-49f4e0c126ff	
	IC SMD TIMER NE555 SOIC-8	U26	1	NE555DR	d16ab88a-2543-469a-8940-7b800b633548	
	IC THERMOCOUPLE AMPLIFIER MSOP-8	U20	1	AD8495ARMZ-R7	8cc7f909-42c7-4251-909a-43740f41a1ca	
	IC VOLTAGE REF SERIES 2.5V 75ppm 0.2% SOT-23	U3	1	REF3025AIDBZR	0de0df07-6dfd-42d8-9fe7-171c27772811	
	MOSFET N-CHANNEL LOGIC LEVEL 300mA 30hm 60V ESD-PROT 2N7002K SOT-23	U16, U22, U23	3	2N7002KT1G	3a318f0a-3b94-47d9-91d5-8fc0a2f410e8	
	POT 10K 20% SHAFT 6mmx7.4mm LIN	R35	1	RK09K1130A6S	3df905ea-1e80-4add-859d-a36edd7f106c	
	POT TRIMMER LINEAR 10K 25TURNS VERT THT	R72	1	3296W-1-103LF	613f65ed-4d8d-44d0-9fe5-67eff78392c9	
	POT TRIMMER LINEAR 50K 25TURNS VERT THT	R70, R73	2	3296W-1-503LF	90164141-8820-4471-9a6f-9a984ce9068c	
	RELAY SPDT 10A 250VAC 12VDC SUBMINIATURE	K1, K2	2	G5LE-14-DC12	daf6f3cd-58c4-4886-bcb7-b7b47a76ae08	
	RES SMD 0 OHM 5% 1/10W 0603	R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R31, R32, R46, R69, R74, R76, R77	24	RC0603JR-070RL	6ae227f9-847f-4766-8522-e11a83531204	
	RES SMD 1K OHM 1% 1/10W 0603	R2, R22, R25, R37, R38, R40	6	RC0603FR-071KL	a678220f-9e9d-4863-a833-9993504f723c	
	RES SMD 1M OHM 1% 1/10W 0603	R50	1	RC0603FR-071ML	99181d84-3ebc-4ea4-8625-26dc8592276c	
	RES SMD 1.2K OHM 1% 1/10W 0603	R62	1	RC0603FR-071K2L	2f6201d5-48c6-41ab-ab40-2cc6255291b8	
	RES SMD 1.5K OHM 1% 1/10W 0603	R63	1	RC0603FR-071K5L	d098bc01-c90d-4b51-91ee-1d9d1ccd8970	
	RES SMD 3.3K OHM 1% 1/10W 0603	R51	1	RC0603FR-073K3L	c685e076-af25-4fed-81c8-3eb7c43f01b8	
	RES SMD 5.6K OHM 1% 1/10W 0603	R54	1	RC0603FR-075K6L	afc45e5f-a770-4ee7-b734-99356076b47f	
	RES SMD 10 OHM 0.1% 1/16W 25ppm 0603	R45 R27, R28, R29, R30, R33, R34, R36, R42, R43, R48,	1	TC0325B100JT5E	f0166db1-b7e4-4c18-9511-2907615c1c51	
	RES SMD 10K OHM 1% 1/10W 0603	R49, R55, R56, R57, R58, R61, R64, R78, R79, R80, R81, R82, R83, R84, R85, R87, R88, R89, R90	29	RC0603FR-0710KL	93242766-ba1d-462d-b58f-ce1dfc4129c8	
	RES SMD 24K OHM 1% 1/10W 0603	R39	1	RC0603FR-0724KL	89bb9559-07ab-4a9e-ba67-95cb66f30425	
	RES SMD 39K OHM 1% 1/10W 0603 RES SMD 100 OHM 1% 1/10W 0603	R60 R3, R21, R23, R24, R41, R44, R47, R52, R53, R65,	16	RC0603FR-0739KL RC0603FR-07100RL	10a824dc-98f1-41df-91f2-219e0508d035 0a6c4b74-f837-4563-b154-6e196d753525	
		R66, R67, R68, R71, R75, R86				
	RES SMD 330 OHM 1% 1/10W 0603	R1, R59	2	RC0603FR-07330RL	e8555d7b-eeda-4727-b2e1-550cdc03d819	
	RES SMD 499 OHM 1% 1/10W 0603	R26	1	RC0603FR-07499RL	3a10051a-dd65-4121-b0b9-1b40351a1843	
	SWITCH ROTARY HEX/BCD 16 POSITIONS	U5, U6, U7, U8, U9	5	A6R-162RS	bbf157ad-cd7a-4e82-97e3-d6a037590888	

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