

PCB ASSEMBLY SPECIFICATIONS

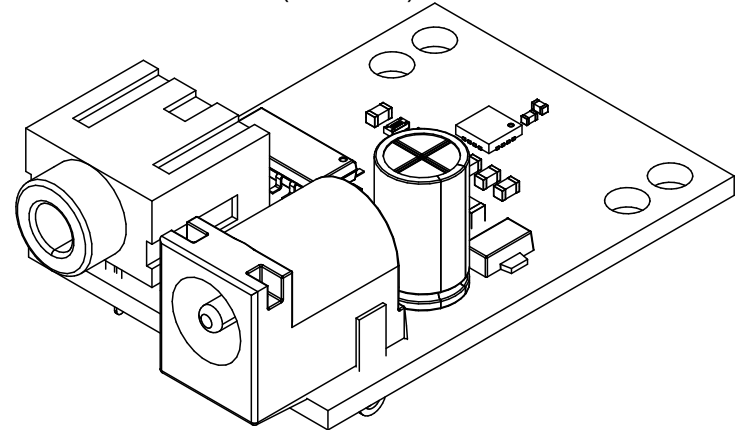
"FRM-MW DIODE DETECT."

Variant: "[No Variations]"

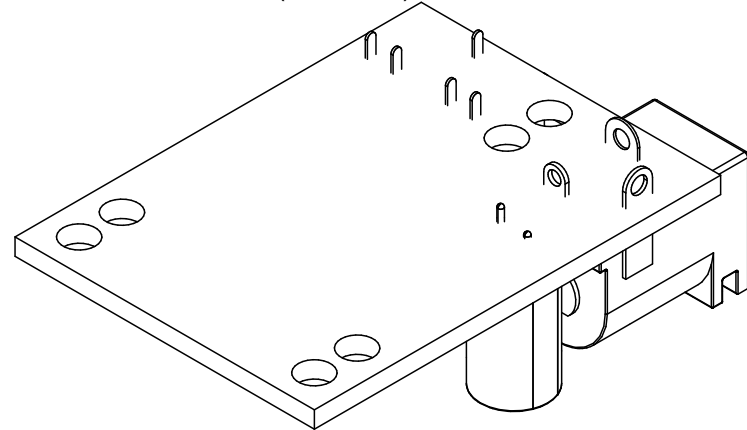
SPECIFICATIONS

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.

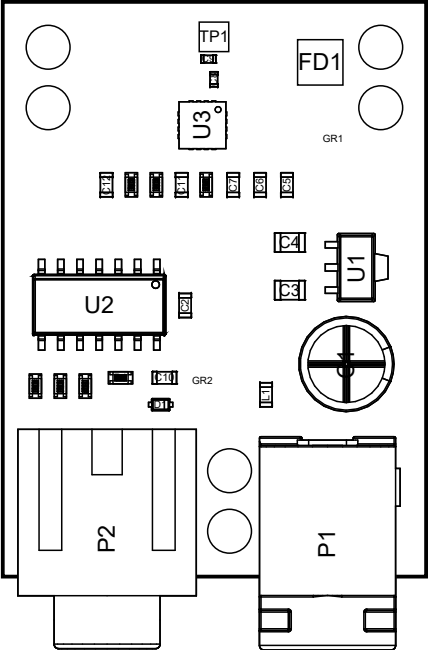
View from Front side (Scale 2:1)



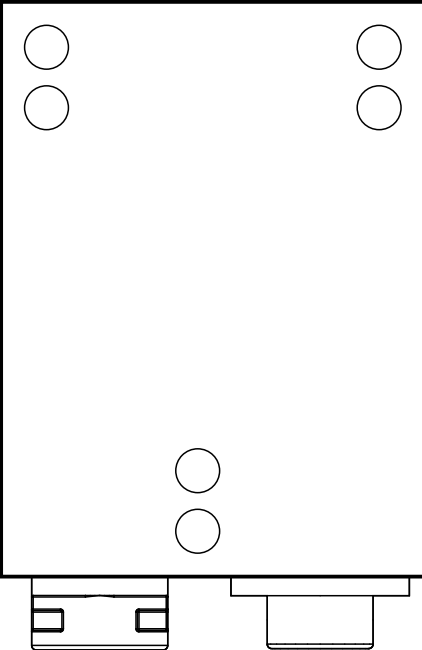
View from Back side (Scale 2:1)

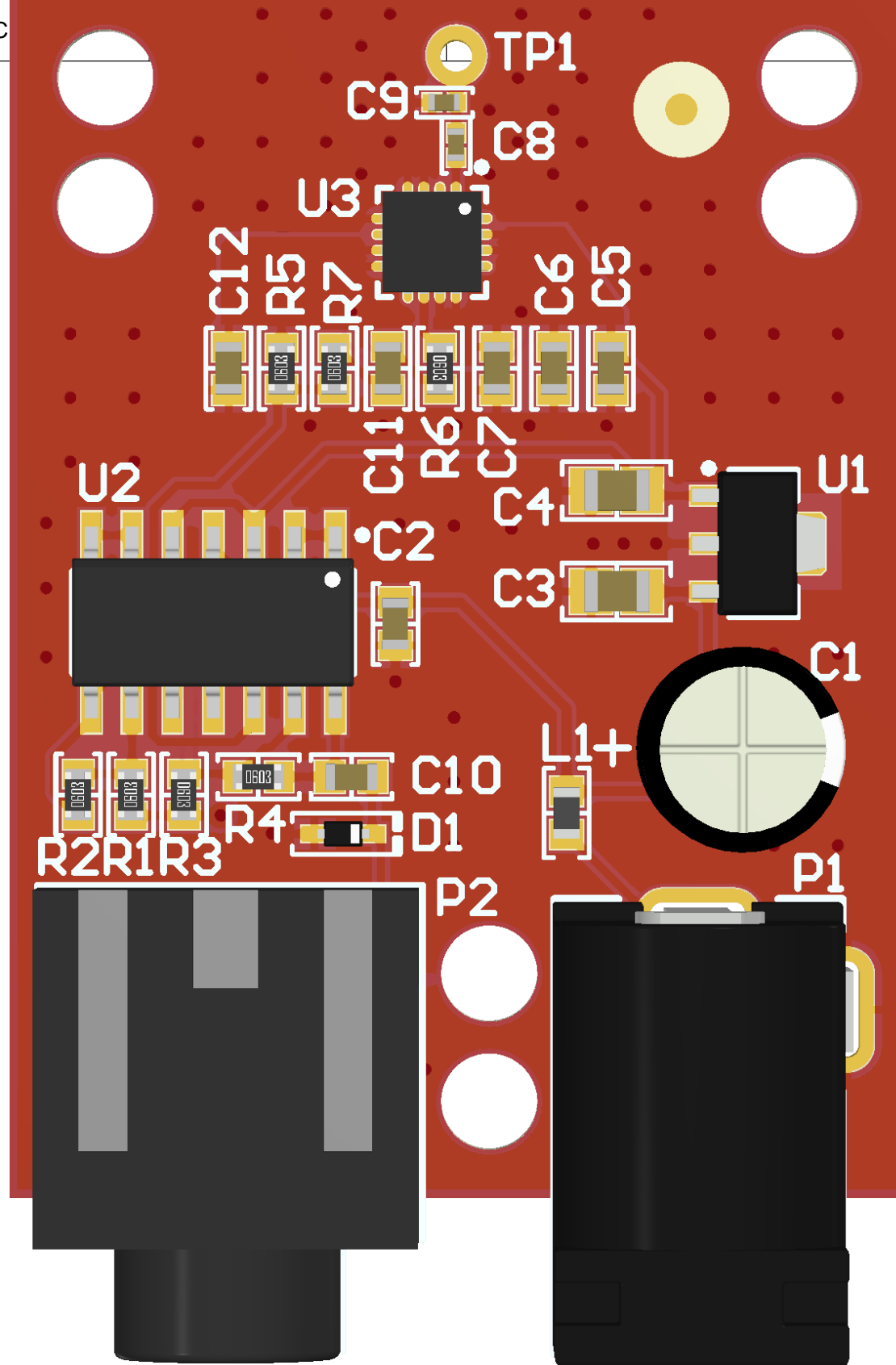


View from Top side (Scale 2:1)



View from Bottom side (Scale 2:1)





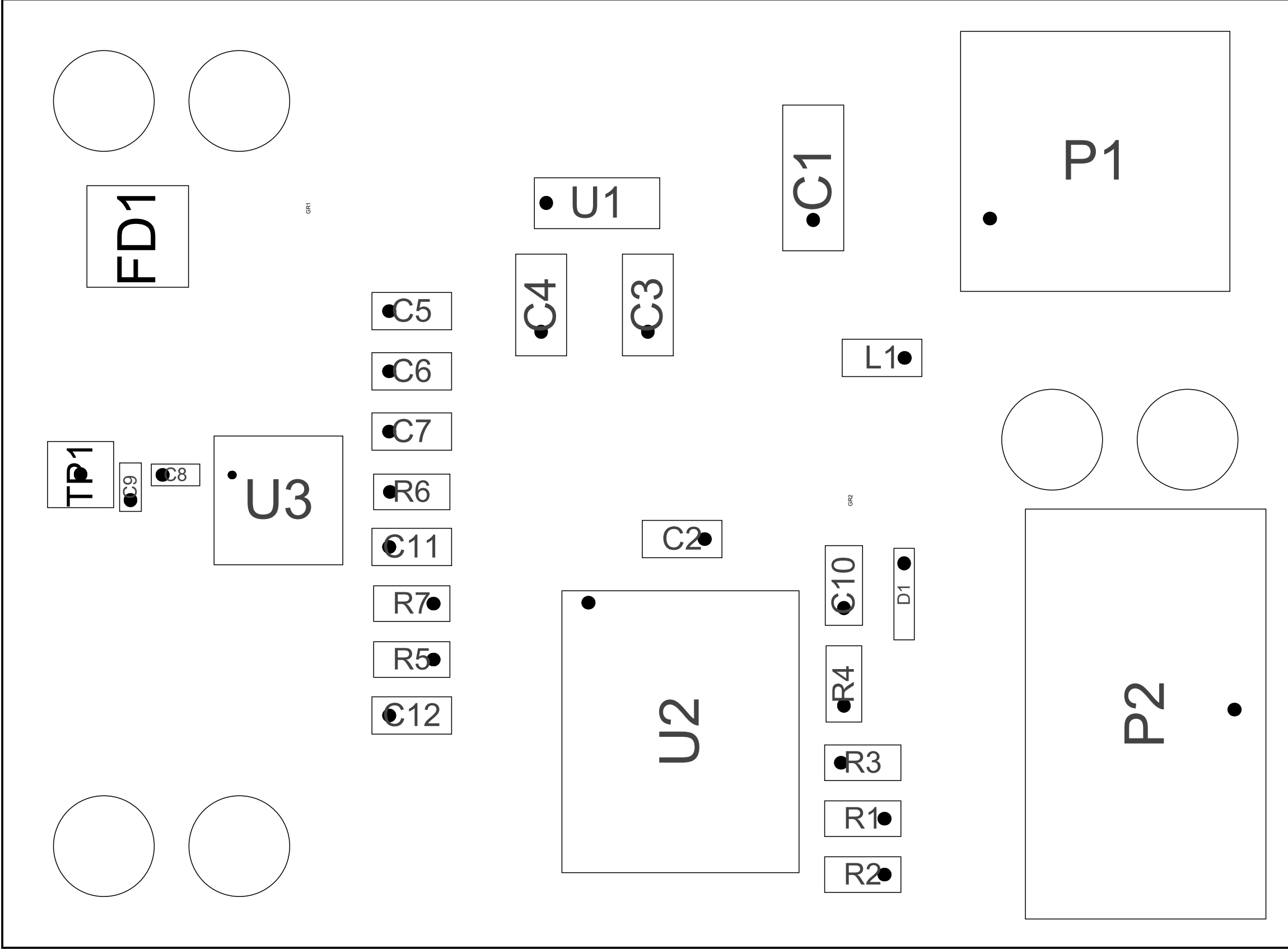
DIODE ORIENTATION

Name	ANODE
Short name	A
Pin number	2
Silkscreen	thin line
assembly view	no dot



Name	CATHODE
Short name	K
Pin number	1
Silkscreen	thick line / dot
assembly view	dot

View from Top side (Scale 8:1)



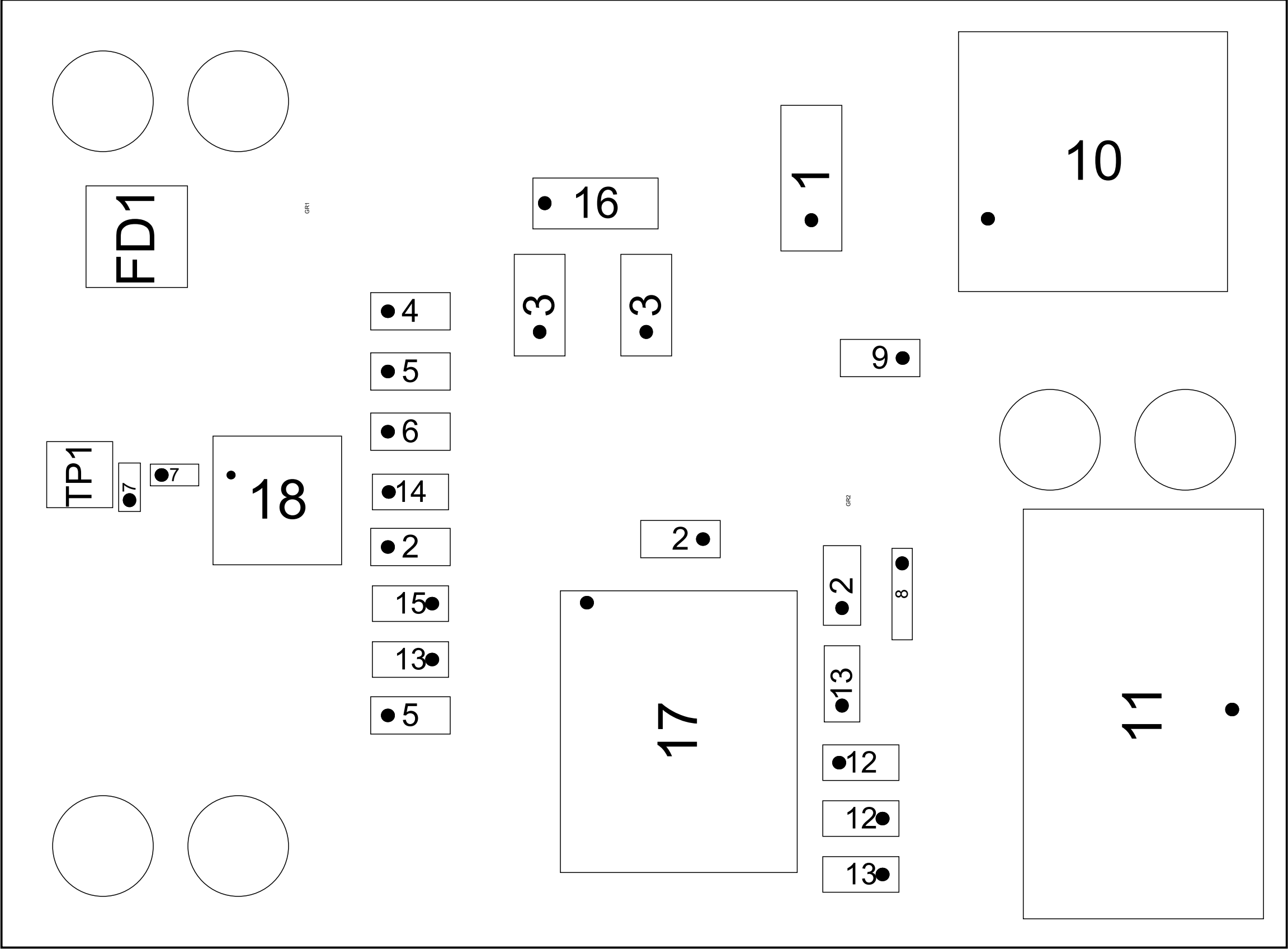
DIODE ORIENTATION

Name	ANODE
Short name	A
Pin number	2
Silkscreen	thin line
assembly view	no dot



Name	CATHODE
Short name	K
Pin number	1
Silkscreen	thick line / dot
assembly view	dot

View from Top side (Scale 8:1)

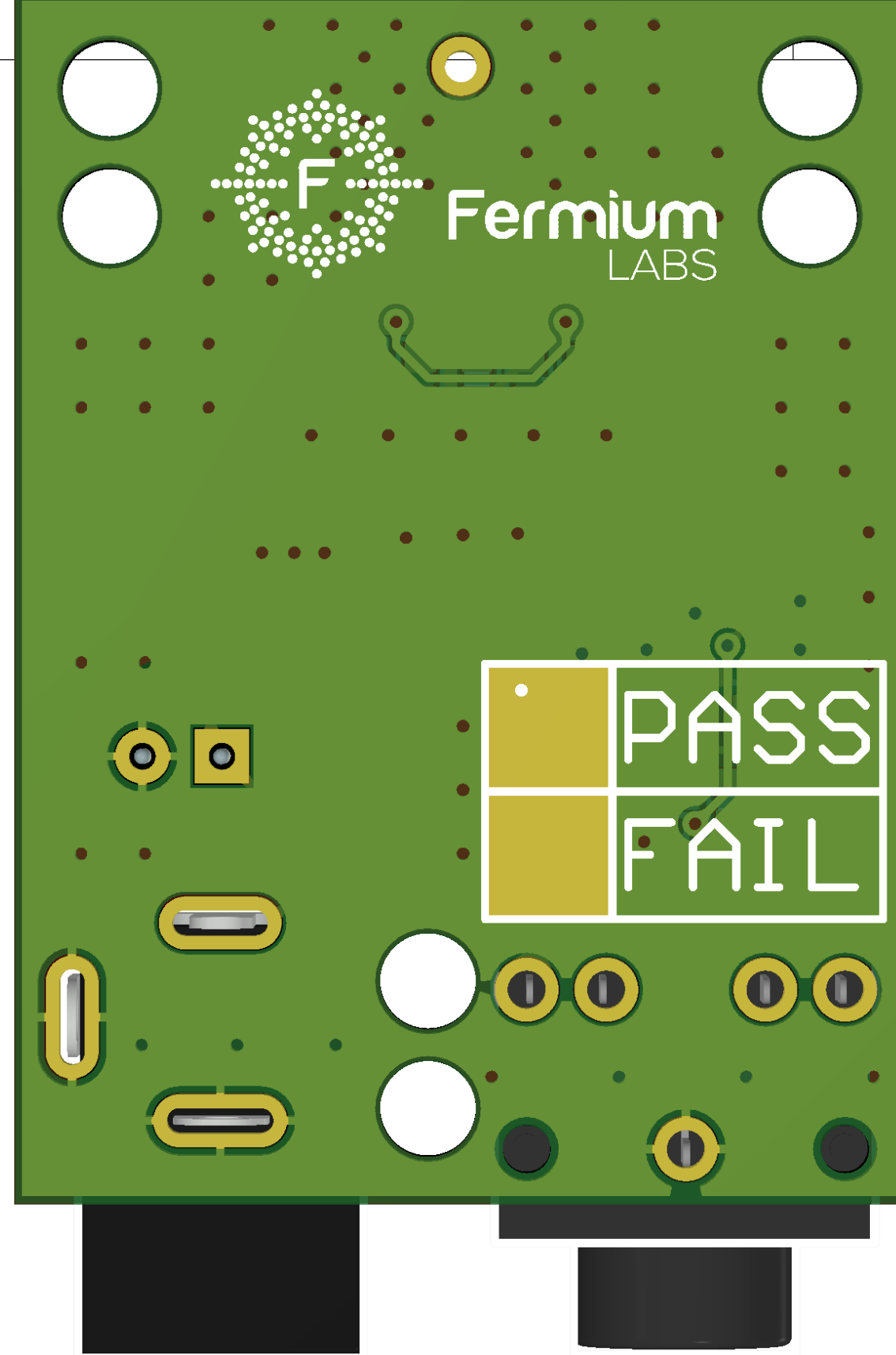


DIODE ORIENTATION

Name	ANODE
Short name	A
Pin number	2
Silkscreen	thin line
assembly view	no dot



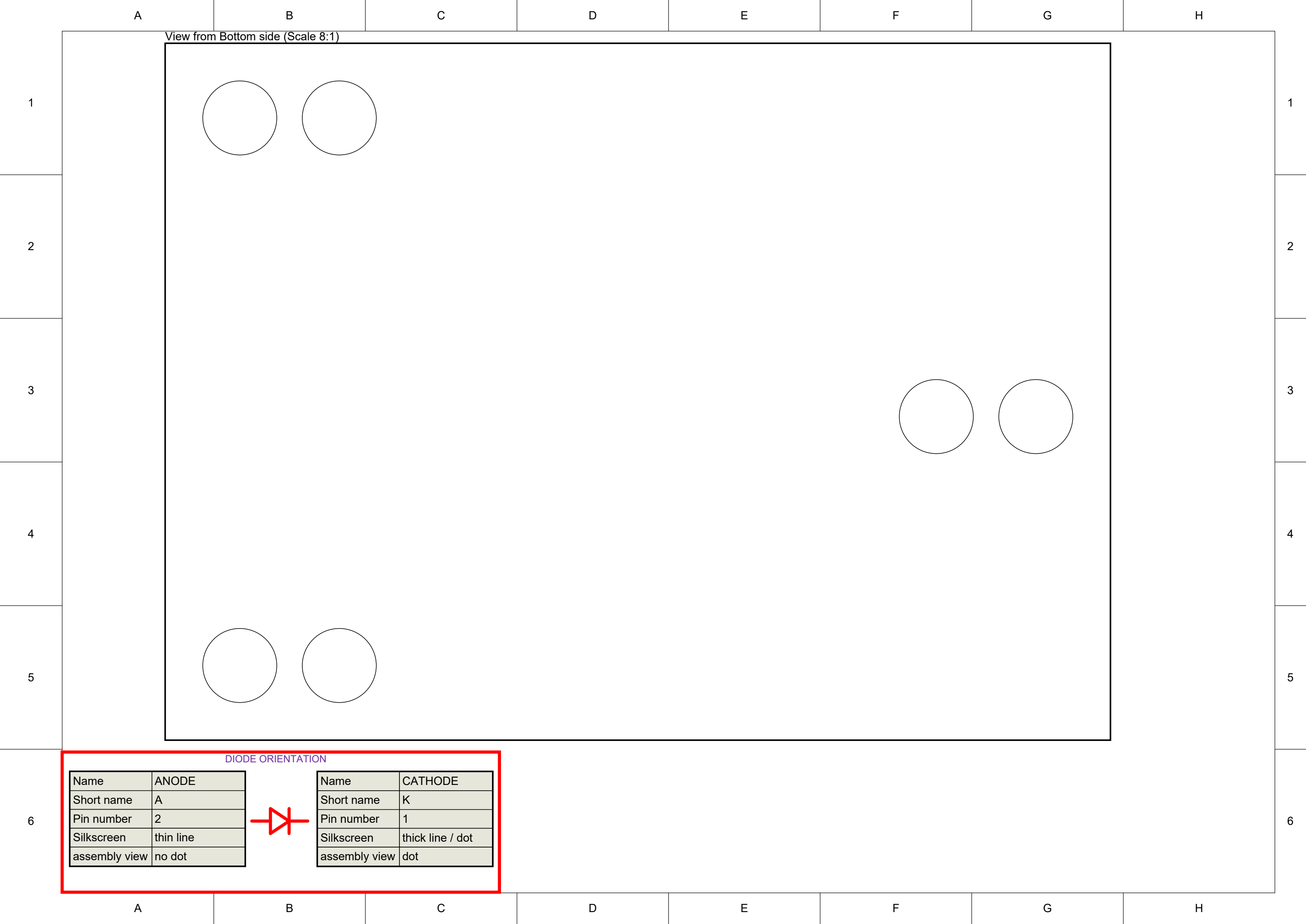
Name	CATHODE
Short name	K
Pin number	1
Silkscreen	thick line / dot
assembly view	dot

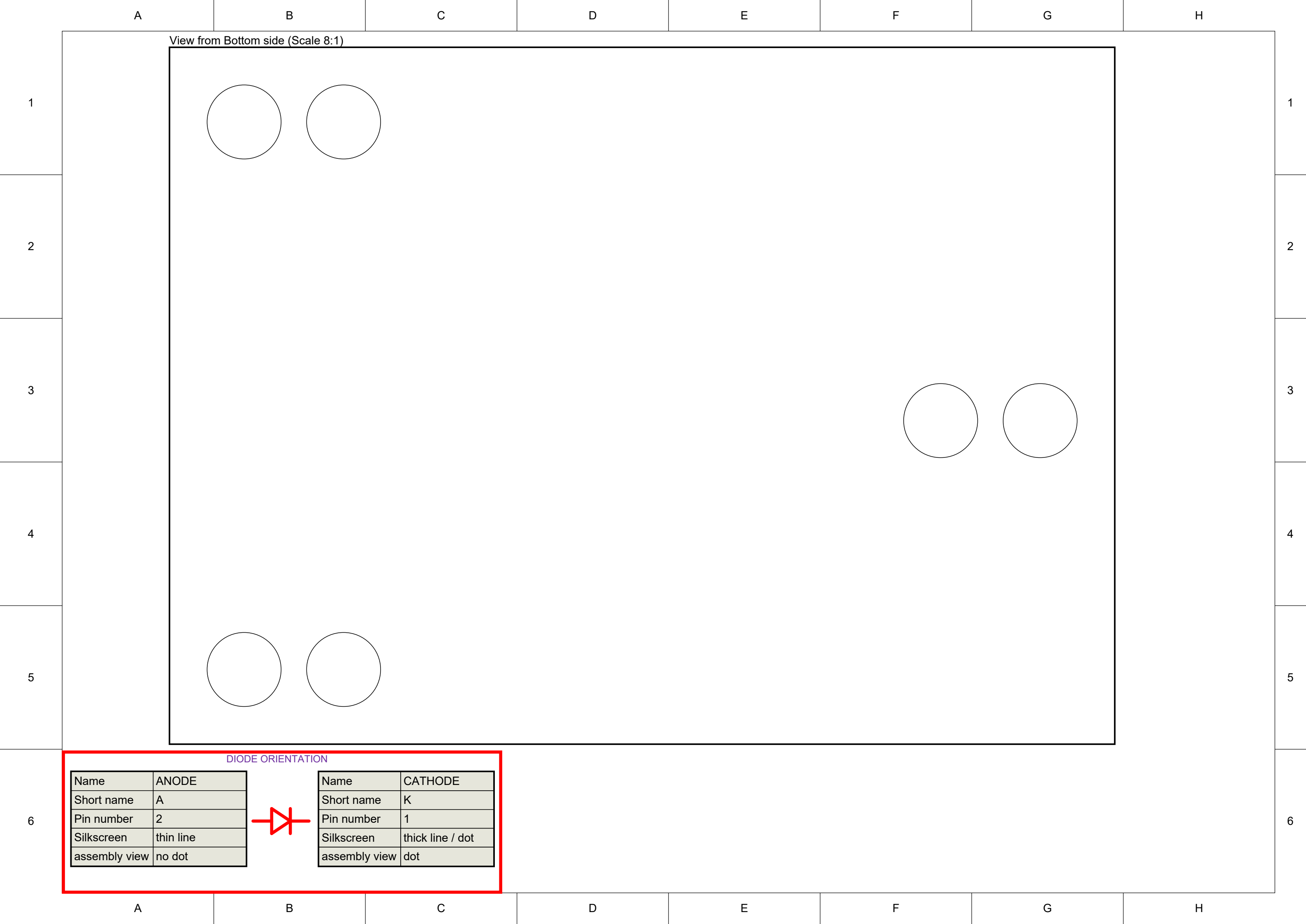


Name	ANODE
Short name	A
Pin number	2
Silkscreen	thin line
assembly view	no dot



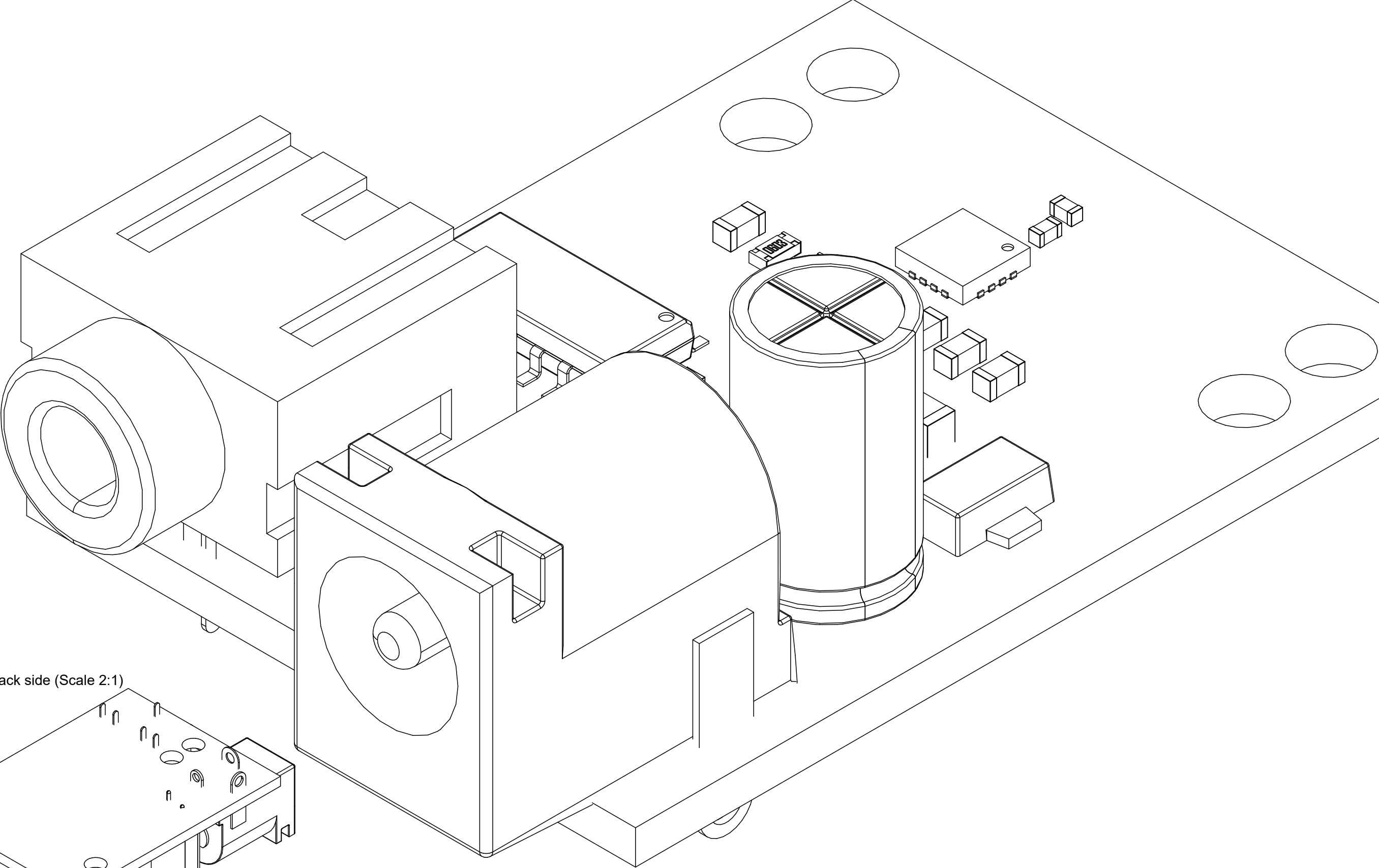
Name	CATHODE
Short name	K
Pin number	1
Silkscreen	thick line / dot
assembly view	dot



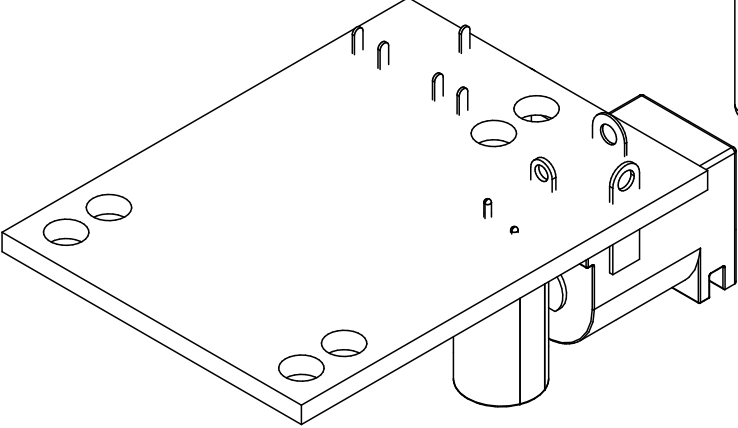


A B C D E F G H

View from Front side (Scale 8:1)



View from Back side (Scale 2:1)



A B C D E F G H

	A	B	C	D	E	F	G	H																																																																																																																																					
1	<div>Bill Of Materials</div> <table><tr><th>Line #</th><th>Description</th><th>Designator</th><th>Quantity</th><th>Manufacturer Part Number 1</th><th>Part Number</th><th>Layer</th></tr><tr><td>1</td><td>CAP THT ELEC 220uF 25V 20%</td><td>C1</td><td>1</td><td>25PK220MEFC-6.3*11</td><td>1a28df19-6d3e-4a71-836c-f22920f8e8ab</td><td>Top</td></tr><tr><td>2</td><td>CAP SMD MLCC 100nF 25V 0603 X7R</td><td>C2, C10, C11</td><td>3</td><td>CL10B104KA8NNNC</td><td>02841f84-ac15-41b5-9e17-915f8f067828</td><td>Top</td></tr><tr><td>3</td><td>CAP SMD MLCC 10uF 25V 0805 X5R</td><td>C3, C4</td><td>2</td><td>CL21A106KAYNNNE</td><td>1ffbe5a9-0884-4740-bdad-20a6a98400e6</td><td>Top</td></tr><tr><td>4</td><td>CAP SMD MLCC 10pF 50V 0603 C0G/NP0</td><td>C5</td><td>1</td><td>CC0603GRNPO9BN100</td><td>b659b677-71ac-4e84-9ac8-47a475f18d31</td><td>Top</td></tr><tr><td>5</td><td>CAP SMD MLCC 100pF 100V 0603 C0G/NP0</td><td>C6, C12</td><td>2</td><td>CC0603JRNPO0BN101</td><td>ccf679fd-1b09-4431-be81-04c3ce295510</td><td>Top</td></tr><tr><td>6</td><td>CAP SMD MLCC 1nF 50V 0603 X7R</td><td>C7</td><td>1</td><td>CL10B102KB8NNNC</td><td>0eca2548-3630-4fea-a3d5-94248c1cae74</td><td>Top</td></tr><tr><td>7</td><td>CAP SMD MLCC 0.1pF 50V 0402 HIGH-Q</td><td>C8, C9</td><td>2</td><td>GJM1555C1HR10BB01D</td><td>26a1b8a5-3146-4e38-b8a1-20cf4d8b229c</td><td>Top</td></tr><tr><td>8</td><td>DIODE SMD TVS 3.3V BIDIRECTIONAL SOD-523</td><td>D1</td><td>1</td><td>PESD3V3S1BA-N</td><td>d6266fd0-7428-4fb9-a062-338cdce926fd</td><td>Top</td></tr><tr><td>9</td><td>FER SMD CHIP 0603 400mA 1k@100MHz 500mOhm</td><td>L1</td><td>1</td><td>BLM18BD252SN1D</td><td>c9e30ae8-9d5b-4135-a079-b1147da846d8</td><td>Top</td></tr><tr><td>10</td><td>CONN THT DC JACK 0.5A 30VDC 5Kcycles</td><td>P1</td><td>1</td><td>DC-005A-20A</td><td>b53db51a-1725-412b-9039-fa7a45c7c438</td><td>Top</td></tr><tr><td>11</td><td>CONN THT 3.5mm AUDIO STEREO AUX SWITCH</td><td>P2</td><td>1</td><td>PJ-3900-04</td><td>80507a24-5d7c-4cf5-953e-f54832d54564</td><td>Top</td></tr><tr><td>12</td><td>RES SMD 4.7K OHM 1% 1/10W 0603</td><td>R1, R3</td><td>2</td><td>RC0603FR-074K7L</td><td>86e7c7d8-c04a-4e9a-bdc1-b1b3729c93a3</td><td>Top</td></tr><tr><td>13</td><td>RES SMD 100K OHM 1% 1/10W 0603</td><td>R2, R4, R5</td><td>3</td><td>RC0603FR-07100KL</td><td>76af10b3-9d85-4b5c-a2d6-26cc74f432f7</td><td>Top</td></tr><tr><td>14</td><td>RES SMD 100 OHM 1% 1/10W 0603</td><td>R6</td><td>1</td><td>RC0603FR-07100RL</td><td>0a6c4b74-f837-4563-b154-6e196d753525</td><td>Top</td></tr><tr><td>15</td><td>RES SMD 10K OHM 1% 1/10W 0603</td><td>R7</td><td>1</td><td>RC0603FR-0710KL</td><td>93242766-ba1d-462d-b58f-ce1dfc4129c8</td><td>Top</td></tr><tr><td>16</td><td>IC SMD LINEAR VOLTAGE REGULATOR 5V 100mA SOT-89</td><td>U1</td><td>1</td><td>AS78L05RTR-E1</td><td>fd64863e-487f-4688-b264-696c0ba5456b</td><td>Top</td></tr><tr><td>17</td><td>IC SMD OPAMP LM324DT SO-14</td><td>U2</td><td>1</td><td>LM324DT</td><td>21a85167-c328-42f7-a52e-365842c6dad3</td><td>Top</td></tr><tr><td>18</td><td>IC SMD RF POWER DETECTOR 15GHz LTC5564 QFN-16</td><td>U3</td><td>1</td><td>LTC5564HUD</td><td>45536c7f-5716-49d5-adce-f87923efcc45</td><td>Top</td></tr></table>							Line #	Description	Designator	Quantity	Manufacturer Part Number 1	Part Number	Layer	1	CAP THT ELEC 220uF 25V 20%	C1	1	25PK220MEFC-6.3*11	1a28df19-6d3e-4a71-836c-f22920f8e8ab	Top	2	CAP SMD MLCC 100nF 25V 0603 X7R	C2, C10, C11	3	CL10B104KA8NNNC	02841f84-ac15-41b5-9e17-915f8f067828	Top	3	CAP SMD MLCC 10uF 25V 0805 X5R	C3, C4	2	CL21A106KAYNNNE	1ffbe5a9-0884-4740-bdad-20a6a98400e6	Top	4	CAP SMD MLCC 10pF 50V 0603 C0G/NP0	C5	1	CC0603GRNPO9BN100	b659b677-71ac-4e84-9ac8-47a475f18d31	Top	5	CAP SMD MLCC 100pF 100V 0603 C0G/NP0	C6, C12	2	CC0603JRNPO0BN101	ccf679fd-1b09-4431-be81-04c3ce295510	Top	6	CAP SMD MLCC 1nF 50V 0603 X7R	C7	1	CL10B102KB8NNNC	0eca2548-3630-4fea-a3d5-94248c1cae74	Top	7	CAP SMD MLCC 0.1pF 50V 0402 HIGH-Q	C8, C9	2	GJM1555C1HR10BB01D	26a1b8a5-3146-4e38-b8a1-20cf4d8b229c	Top	8	DIODE SMD TVS 3.3V BIDIRECTIONAL SOD-523	D1	1	PESD3V3S1BA-N	d6266fd0-7428-4fb9-a062-338cdce926fd	Top	9	FER SMD CHIP 0603 400mA 1k@100MHz 500mOhm	L1	1	BLM18BD252SN1D	c9e30ae8-9d5b-4135-a079-b1147da846d8	Top	10	CONN THT DC JACK 0.5A 30VDC 5Kcycles	P1	1	DC-005A-20A	b53db51a-1725-412b-9039-fa7a45c7c438	Top	11	CONN THT 3.5mm AUDIO STEREO AUX SWITCH	P2	1	PJ-3900-04	80507a24-5d7c-4cf5-953e-f54832d54564	Top	12	RES SMD 4.7K OHM 1% 1/10W 0603	R1, R3	2	RC0603FR-074K7L	86e7c7d8-c04a-4e9a-bdc1-b1b3729c93a3	Top	13	RES SMD 100K OHM 1% 1/10W 0603	R2, R4, R5	3	RC0603FR-07100KL	76af10b3-9d85-4b5c-a2d6-26cc74f432f7	Top	14	RES SMD 100 OHM 1% 1/10W 0603	R6	1	RC0603FR-07100RL	0a6c4b74-f837-4563-b154-6e196d753525	Top	15	RES SMD 10K OHM 1% 1/10W 0603	R7	1	RC0603FR-0710KL	93242766-ba1d-462d-b58f-ce1dfc4129c8	Top	16	IC SMD LINEAR VOLTAGE REGULATOR 5V 100mA SOT-89	U1	1	AS78L05RTR-E1	fd64863e-487f-4688-b264-696c0ba5456b	Top	17	IC SMD OPAMP LM324DT SO-14	U2	1	LM324DT	21a85167-c328-42f7-a52e-365842c6dad3	Top	18	IC SMD RF POWER DETECTOR 15GHz LTC5564 QFN-16	U3	1	LTC5564HUD	45536c7f-5716-49d5-adce-f87923efcc45	Top	1
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