

Board Name	CDCLVP1208 Cust EVM
Due Date	4/23/2009
QTY	12
JOB NUMBER	111897
CUST. CONTACT	Brad Rothbauer
KS ID	10947

- NO DEVICE MARKINGS
- CUST PROVIDED
- DNI
- SPECIAL INSTRUCTIONS
- TBD

<input checked="" type="checkbox"/> LEAD FREE PROCESS	<input checked="" type="checkbox"/> USE CUSTOMER PARTS	<input checked="" type="checkbox"/> FOLLOW CUST INSTRUCTION
<input type="checkbox"/> UNMARKED ACTIVE PARTS	<input type="checkbox"/> RETURN BARE BOARDS	<input checked="" type="checkbox"/> INSTALL HARDWARE
<input type="checkbox"/> SPECIAL INSTRUCTIONS	<input type="checkbox"/> RETURN CUSTOMER PARTS	<input checked="" type="checkbox"/> KS KITTED JOB

CERAMIC CAPACITORS

STD	0201	0402	0603	0805	1206	1210	mils
EIA	0603	1005	1608	2012	3216	3225	mm

TANTALUM CAPACITORS

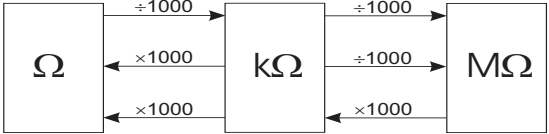
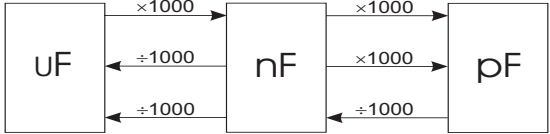
STD	TANT_A	TANT_B	TANT_C	TANT_D	TANT_E	TANT_E	TANT_R	TANT_Z	mils
EIA	3.2x1.6	3.5x2.8	6.0x3.2	7.3x4.3	7.2x6.0	7.3x4.3	2.0x1.2	2.0x1.25	mm

SAME FOOTPRINT, VARIABLE HEIGHT

TANT_A & TANT_P
TANT_B & TANT_T
TANT_D,E,V, & X

SOLID TANTALUM CHIP CAPACITORS (ORANGE)

CASE	A	B	C	G	H	D	M	R
mm	3.7x1.8	4.0x2.8	7.1x3.2	5.2x3.65	5.2x4.6	7.5x4.3	3.3x2.7	7.2x6.0



CAPACITORS CONVERSION EXAMPLE

uF	nF	pF
0.001	1	1000
0.022	22	22000

RESISTORS CONVERSION EXAMPLE

Ω	kΩ	MΩ
1000	1k	0.001M
47000	47k	0.047M

NOTES & INSTRUCTIONS

Master Copy

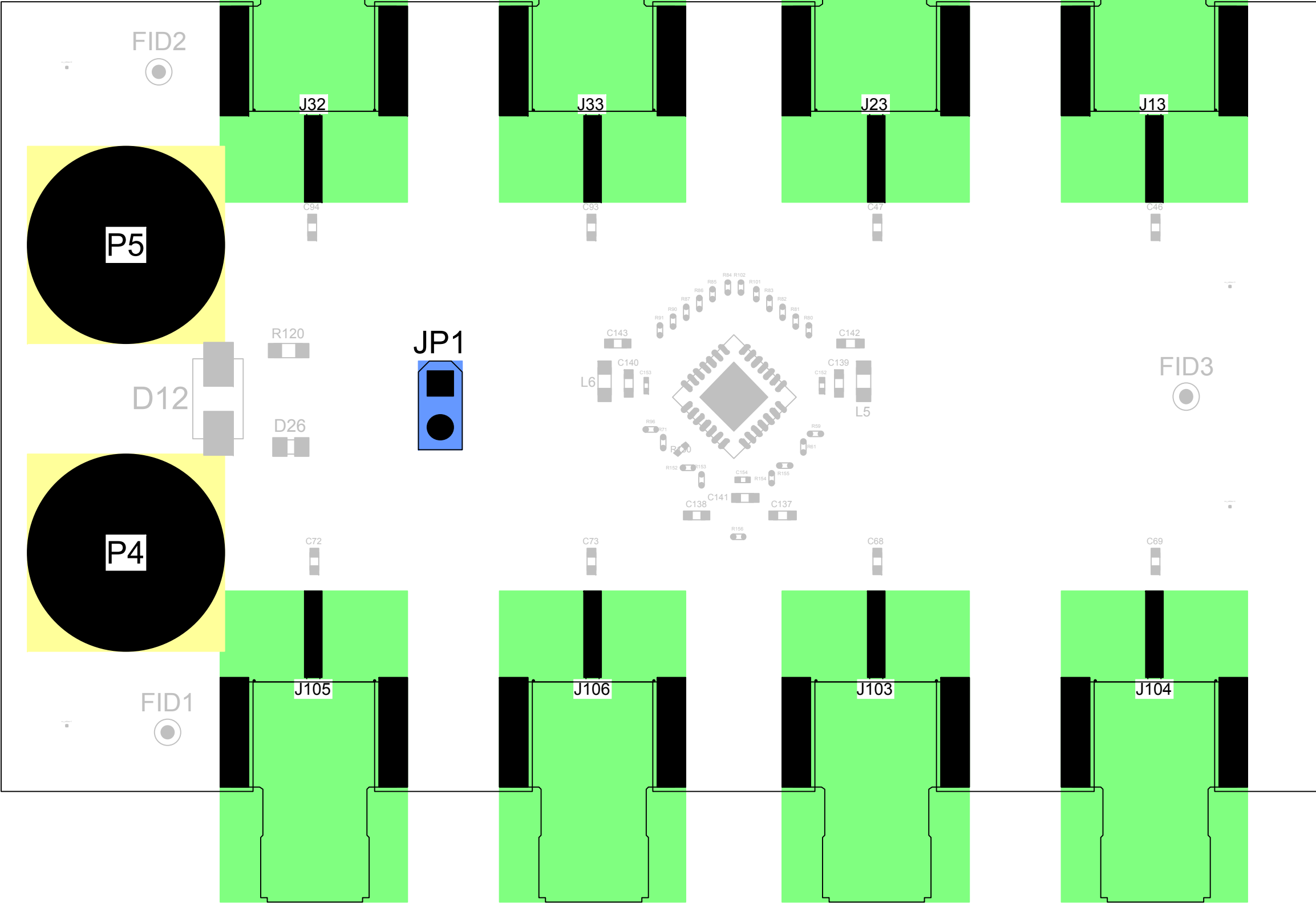
Date

4/23/2009

Revision No

1.0

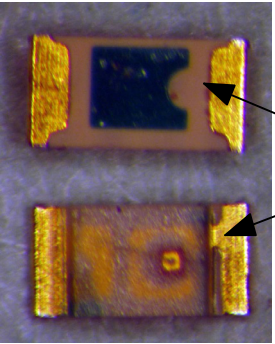
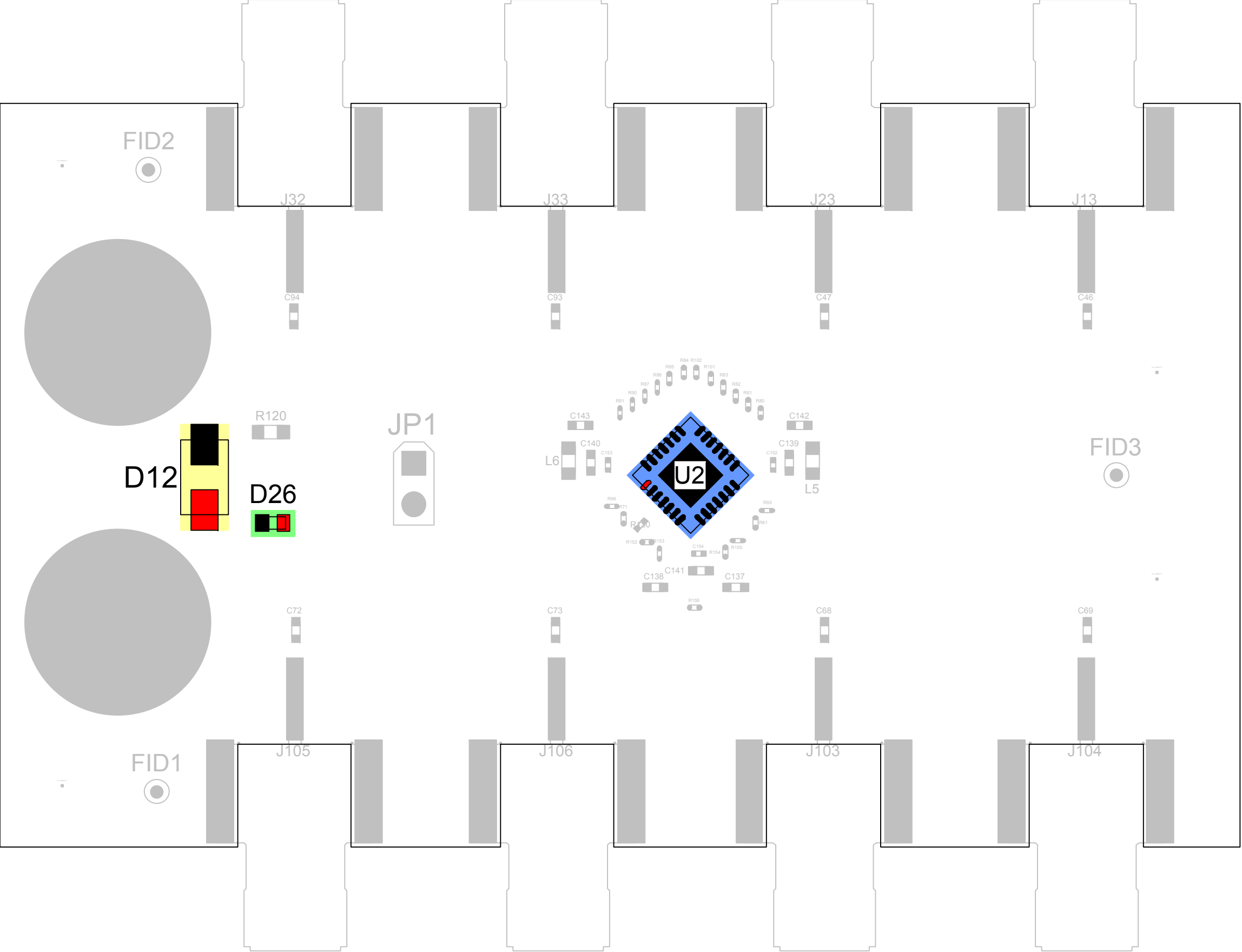
LINE NO.	KS PART NUMBER	BIN LOC	QTY	VALUE	DESIGNATORS	PKG/ CASE	T.COEF F/ PWR	TOL	VOLT RATED	DESCRIPTION	DISTRIBUTOR	DIST P/N	MANUFACTURER	MNFR. PART #	COMPONENT HEIGHT
1	11115	A 1	3	0.1µF	C152, C153, C154	0201	X5R	±10%	6.3V	Capacitors	Venkel	C0201X5R6R3-104KNE	Venkel	C0201X5R6R3-104KNE	0.012 ± 0.002"
2	12420	A 2	8	0.1µF	C46, C47, C93, C94, C68, C69, C72, C73	0402	X7R	±10%	16V	Capacitors	Venkel	C0402X7R160-104KNE	Venkel	C0402X7R160-104KNE	0.025 ± 0.004"
3	13794	B 2	7	4.7µF	C137, C138, C139, C140, C141, C142, C143	0402	X5R	±20%	4V	Capacitors	Digi-Key	587-1966-1-ND	Taiyo Yuden	AMK105BJ475MV-F	0.008 ± 0.001"
4	11539	C 1-5	1	0.0 (Zero Ohm)	R156	0201	1/20W	±5%	50V	Resistors	Venkel	CR0201-20W-000T	Venkel	CR0201-20W-000T	0.010 ± 0.002"
5	11959	C 1	1	10.0K	R130	0201	1/20W	±1%	75V	Resistors	Venkel	CR0201-20W-1002FT	Venkel	CR0201-20W-1002FT	0.010 ± 0.002"
6	14425	C 1	16	150	R59, R61, R71, R80, R81, R82, R83, R84, R85, R86, R87, R90, R91, R96, R101, R102	0201	1/20W	±1%	15V	Resistors	Digi-Key	P150ABTR-ND	Panasonic - Ecg	ERJ-1GEF1500C	0.009 ± 0.001"
7	12862	C 1	4	49.9	R152, R153, R154, R155	0201	1/20W	±1%		Resistors	Venkel	CR0201-20W-49R9FT	Venkel	CR0201-20W-49R9FT	0.010 ± 0.002"
8	11020	C 4	1	301	R120	0603	1/10W	±1%		Resistors	Digi-Key	311-301HRTR-ND	Yageo America	RC0603FR-07301RL	0.017 ± 0.003"
9	11386	B 3 - 1	1	MBRS240LT3G	D12	SMB	2A		40V	Discrete Semiconductor Products	Digi-Key	MBRS240LT3GOSCT-ND	On Semiconductor	MBRS240LT3G	0.088 ± 0.013"
10	14719		1	CDCLVP1208	U2	28-HQFN				Integrated Circuits	Digi-Key	CDCLVP1208	Texas Instruments	CDCLVP1208	
11	11038	B 2	1	LED - Green	D26	0603			4V	Optoelectronics	Digi-Key	P11473CT-ND	Panasonic - Ssg	LNJ312G8LRA	
12	14570		2	1000	L5, L6	0603	600mA			Filters	Digi-Key	490-5215-1-ND	Murata Electronics North Am	BLM18HE102SN1D	0.031 ± 0.005"
13	11087		1	1 X 2	JP1	0.1x0.1"	High Temp			Connectors	Samtec	HTSW-150-07-G-S	Samtec	HTSW-150-07-G-S	
14	11043	B 8	2	Banana Plug - Metal	P4, P5	4mm				Connectors	Digi-Key	J147-ND	Emerson Network Power Co	108-0740-001	
15	11367	Drawer	8	142-0721-881	J13, J23, J32, J33, J103, J104, J105, J106	RF SMA Edge mount				Connectors	Digi-Key	J631-ND	Emerson Network Power Co	142-0721-881	
16	11082	Rack	4	4-40/0.25"	Screws					Hardware	Digi-Key	H703-ND	Building Fasteners	PMSSS 440 0025 PH	
17	11079	Rack	4	0.75"	Standoff	Round Threaded				Hardware	Digi-Key	2029K-ND	Keystone Electronics	2029	
18	DNI	DNI	12	DNI	JP4, JP8, JP9, JP10, JP11, JP16, JP20, JP21, JP22, JP23, JP25, JP26	0.1x0.1"				Connectors					



CDCLVP1208 Cust EVM

KS-T/H-TOP

Color	Part Number	Quantity	Value	Reference	Description
	11367	8	142-0721-881	J13, J23, J32-J33, J103-J106	Connectors
	11043	2	Banana Plug - Metal	P4-P5	Connectors
	11087-2	1	1 X 2	JP1	Connectors

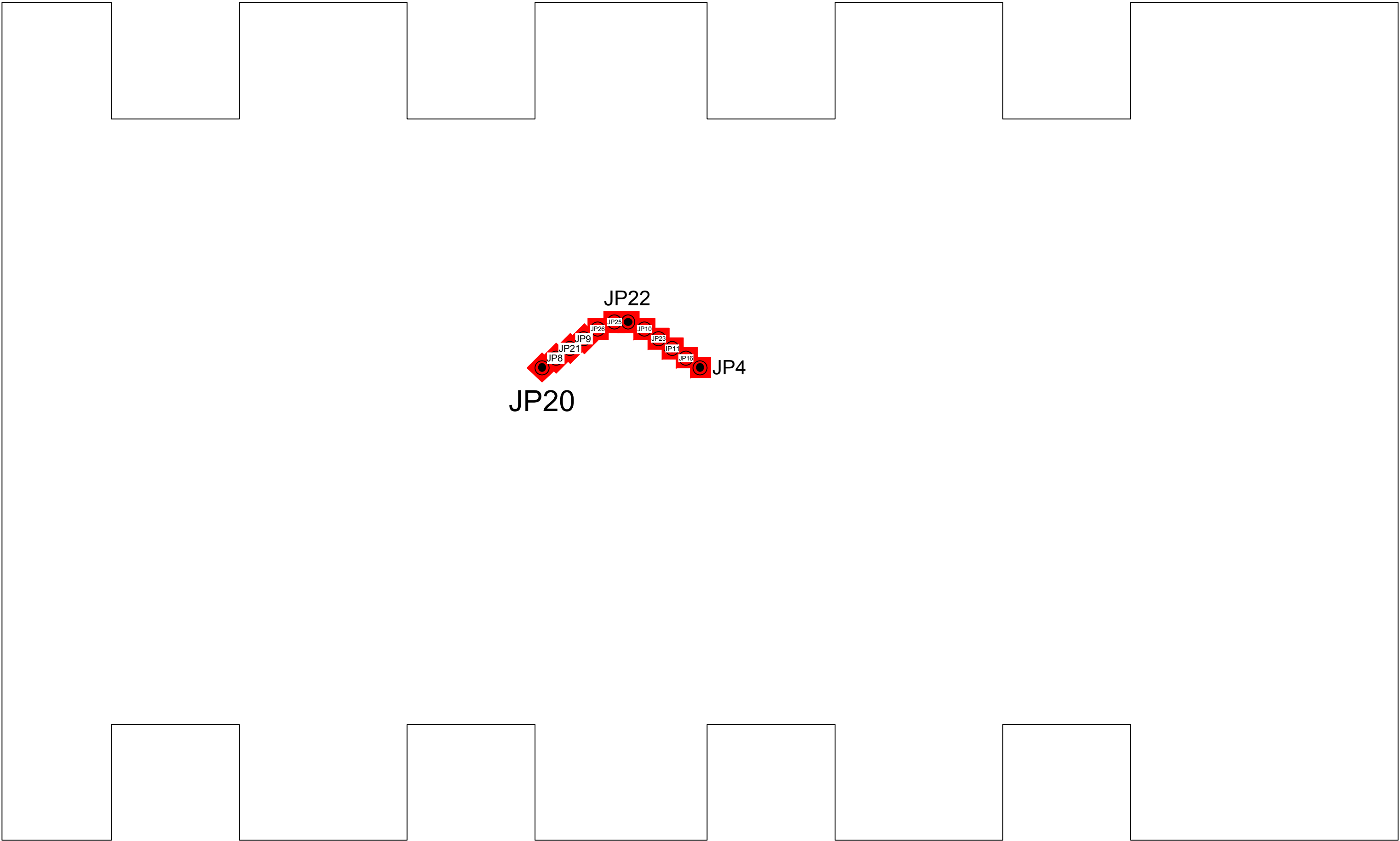


Cathode

CDCLVP1208 Cust EVM

KS-QC-TOP

Color	Part Number	Quantity	Value	Reference	Description
	11038	1	LED - Green	D26	Optoelectronics
	11386	1	MBRS240LT3G	D12	Discrete Semiconductor Products
	14740	1	CDCLVP2104	U2	Integrated Circuits



JP22

JP20

CDCLVP1208 Cust EVM

KS-QC-BOTTOM

Color	Part Number	Quantity	Value	Reference	Description
	DNI	12	DNI	JP4, JP8-JP11, JP16, JP20-JP23, JP25-JP26	DNI

Company Proprietary Documentation