

<Power1> Revised: Wednesday, February 01, 2023

<Designed by ROHM & AVNET Japan> Revision: <1.0>

Bill Of Materials February 1,2023

Page1

Item	Quantity	Reference	Part	PCB Footprint	VOLTAGE
1	1	CN1	KLDX-0202-AC		
2	1	CN130	5-146250-2		
3	1	CN501	87832-1420		
4	1	CN502	8-1734774-1		
5	1	CN601	216604-6		
6	1	CN602	10137062-00021LF		
7	1	C1	EEE-FK1E101AV		
8	2	C2	22u_25_2012	2012	25V
		C3	22u_25_2012	2012	25V
9	1	C4	2.2u_25_1608	1608	25V
10	1	C5	0.1u_25_1005_NM	1005	25V
11	25	C6	0.1u_16_0603	603	16V
		C50	0.1u_16_0603	603	16V
		C301	0.1u_16_0603	603	16V
		C302	0.1u_16_0603	603	16V
		C303	0.1u_16_0603	603	16V
		C304	0.1u_16_0603	603	16V
		C402	0.1u_16_0603	603	16V
		C403	0.1u_16_0603	603	16V
		C404	0.1u_16_0603	603	16V
		C405	0.1u_16_0603	603	16V
		C406	0.1u_16_0603	603	16V
		C407	0.1u_16_0603	603	16V
		C408	0.1u_16_0603	603	16V
		C638	0.1u_16_0603	603	16V
		C639	0.1u_16_0603	603	16V
		C640	0.1u_16_0603	603	16V
		C641	0.1u_16_0603	603	16V
		C642	0.1u_16_0603	603	16V
		C643	0.1u_16_0603	603	16V
		C644	0.1u_16_0603	603	16V
		C645	0.1u_16_0603	603	16V
		C652	0.1u_16_0603	603	16V
		C655	0.1u_16_0603	603	16V

		C685	0.1u_16_0603	603	16V
		C694	0.1u_16_0603	603	16V
12	1	C7	100p_25_0603	603	25V
13	12	C8	GRM188C81A226ME01	1608	10V
		C9	GRM188C81A226ME01	1608	10V
		C21	GRM188C81A226ME01	1608	10V
		C23	GRM188C81A226ME01	1608	10V
		C28	GRM188C81A226ME01	1608	10V
		C29	GRM188C81A226ME01	1608	10V
		C35	GRM188C81A226ME01	1608	10V
		C100	GRM188C81A226ME01	1608	10V
		C102	GRM188C81A226ME01	1608	10V
		C109	GRM188C81A226ME01	1608	10V
		C116	GRM188C81A226ME01	1608	10V
		C741	GRM188C81A226ME01	1608	10V
14	13	C20	22u_10_1608_NM	1608	10V
		C22	22u_10_1608_NM	1608	10V
		C30	22u_10_1608_NM	1608	10V
		C36	22u_10_1608_NM	1608	10V
		C37	22u_10_1608_NM	1608	10V
		C43	22u_10_1608_NM	1608	10V
		C45	22u_10_1608_NM	1608	10V
		C101	22u_10_1608_NM	1608	10V
		C103	22u_10_1608_NM	1608	10V
		C110	22u_10_1608_NM	1608	10V
		C117	22u_10_1608_NM	1608	10V
		C132	22u_10_1608_NM	1608	10V
		C133	22u_10_1608_NM	1608	10V
15	1	C40	1u_10_1608	1608	10V
16	1	C41	2.2u_10_1005	1005	10V
17	4	C42	10u_10_1608	1608	10V
		C44	10u_10_1608	1608	10V
		C401	10u_10_1608	1608	10V
		C409	10u_10_1608	1608	10V
18	16	C120	GRM155C81E105KE11	1005	25V
		C121	GRM155C81E105KE11	1005	25V
		C122	GRM155C81E105KE11	1005	25V
		C123	GRM155C81E105KE11	1005	25V
		C124	GRM155C81E105KE11	1005	25V

		C125	GRM155C81E105KE11	1005	25V
		C130	GRM155C81E105KE11	1005	25V
		C131	GRM155C81E105KE11	1005	25V
		C600	GRM155C81E105KE11	1005	25V
		C604	GRM155C81E105KE11	1005	25V
		C608	GRM155C81E105KE11	1005	25V
		C609	GRM155C81E105KE11	1005	25V
		C695	GRM155C81E105KE11	1005	25V
		C718	GRM155C81E105KE11	1005	25V
		C742	GRM155C81E105KE11	1005	25V
		C743	GRM155C81E105KE11	1005	25V
19	23	C204	0.47u_6.3_0603	603	6.3V
		C212	0.47u_6.3_0603	603	6.3V
		C219	0.47u_6.3_0603	603	6.3V
		C220	0.47u_6.3_0603	603	6.3V
		C221	0.47u_6.3_0603	603	6.3V
		C222	0.47u_6.3_0603	603	6.3V
		C226	0.47u_6.3_0603	603	6.3V
		C228	0.47u_6.3_0603	603	6.3V
		C236	0.47u_6.3_0603	603	6.3V
		C241	0.47u_6.3_0603	603	6.3V
		C410	0.47u_6.3_0603	603	6.3V
		C419	0.47u_6.3_0603	603	6.3V
		C653	0.47u_6.3_0603	603	6.3V
		C654	0.47u_6.3_0603	603	6.3V
		C661	0.47u_6.3_0603	603	6.3V
		C663	0.47u_6.3_0603	603	6.3V
		C684	0.47u_6.3_0603	603	6.3V
		C723	0.47u_6.3_0603	603	6.3V
		C724	0.47u_6.3_0603	603	6.3V
		C725	0.47u_6.3_0603	603	6.3V
		C726	0.47u_6.3_0603	603	6.3V
		C727	0.47u_6.3_0603	603	6.3V
		C728	0.47u_6.3_0603	603	6.3V
20	12	C209	4.7u_6.3_1005	1005	6.3V
		C214	4.7u_6.3_1005	1005	6.3V
		C602	4.7u_6.3_1005	1005	6.3V
		C666	4.7u_6.3_1005	1005	6.3V
		C667	4.7u_6.3_1005	1005	6.3V

		C672	4.7u_6.3_1005	1005	6.3V
		C673	4.7u_6.3_1005	1005	6.3V
		C677	4.7u_6.3_1005	1005	6.3V
		C679	4.7u_6.3_1005	1005	6.3V
		C680	4.7u_6.3_1005	1005	6.3V
		C683	4.7u_6.3_1005	1005	6.3V
		C686	4.7u_6.3_1005	1005	6.3V
21	1	C211	100u_6.3_2012	2012	6.3V
22	13	C411	0.047u_10_0603	603	10V
		C412	0.047u_10_0603	603	10V
		C413	0.047u_10_0603	603	10V
		C414	0.047u_10_0603	603	10V
		C415	0.047u_10_0603	603	10V
		C416	0.047u_10_0603	603	10V
		C417	0.047u_10_0603	603	10V
		C418	0.047u_10_0603	603	10V
		C420	0.047u_10_0603	603	10V
		C421	0.047u_10_0603	603	10V
		C422	0.047u_10_0603	603	10V
		C428	0.047u_10_0603	603	10V
		C429	0.047u_10_0603	603	10V
23	28	C603	0.1u_25_1005	1005	25V
		C606	0.1u_25_1005	1005	25V
		C687	0.1u_25_1005	1005	25V
		C688	0.1u_25_1005	1005	25V
		C689	0.1u_25_1005	1005	25V
		C690	0.1u_25_1005	1005	25V
		C691	0.1u_25_1005	1005	25V
		C692	0.1u_25_1005	1005	25V
		C693	0.1u_25_1005	1005	25V
		C696	0.1u_25_1005	1005	25V
		C697	0.1u_25_1005	1005	25V
		C703	0.1u_25_1005	1005	25V
		C704	0.1u_25_1005	1005	25V
		C705	0.1u_25_1005	1005	25V
		C706	0.1u_25_1005	1005	25V
		C707	0.1u_25_1005	1005	25V
		C708	0.1u_25_1005	1005	25V
		C709	0.1u_25_1005	1005	25V

		C710	0.1u_25_1005	1005	25V
		C715	0.1u_25_1005	1005	25V
		C716	0.1u_25_1005	1005	25V
		C717	0.1u_25_1005	1005	25V
		C720	0.1u_25_1005	1005	25V
		C735	0.1u_25_1005	1005	25V
		C736	0.1u_25_1005	1005	25V
		C737	0.1u_25_1005	1005	25V
		C738	0.1u_25_1005	1005	25V
		C739	0.1u_25_1005	1005	25V
24	1	C607	10p_50_1005	1005	50V
25	2	C610	0.47u_25_1005	1005	25V
		C611	0.47u_25_1005	1005	25V
26	6	C662	47u_6.3_2012	2012	6.3V
		C668	47u_6.3_2012	2012	6.3V
		C671	47u_6.3_2012	2012	6.3V
		C674	47u_6.3_2012	2012	6.3V
		C678	47u_6.3_2012	2012	6.3V
		C681	47u_6.3_2012	2012	6.3V
27	1	C702	900p_6.3_1005	1005	6.3V
28	5	C711	0.01u_6.3_1005	1005	6.3V
		C712	0.01u_6.3_1005	1005	6.3V
		C713	0.01u_6.3_1005	1005	6.3V
		C714	0.01u_6.3_1005	1005	6.3V
		C719	0.01u_6.3_1005	1005	6.3V
29	2	C721	18p_6.3_1005	1005	6.3V
		C722	18p_6.3_1005	1005	6.3V
30	1	C740	10u_25_2012	2012	25V
31	8	FB601	BLM18PG330SN1D		
		FB602	BLM18PG330SN1D		
		FB603	BLM18PG330SN1D		
		FB604	BLM18PG330SN1D		
		FB605	BLM18PG330SN1D		
		FB606	BLM18PG330SN1D		
		FB607	BLM18PG330SN1D		
		FB608	BLM18PG330SN1D		
32	8	J601	shortpattern	1608	
		J602	shortpattern	1608	
		J603	shortpattern	1608	

		J604	shortpattern	1608	
		J605	shortpattern	1608	
		J606	shortpattern	1608	
		J607	shortpattern	1608	
		J608	shortpattern	1608	
33	4	LED60	SMLN3BC8TT86P		
		LED301	SMLN3BC8TT86P		
		LED303	SMLN3BC8TT86P		
		LED304	SMLN3BC8TT86P		
34	6	LED100	SML-E12V8WT86N		
		LED101	SML-E12V8WT86N		
		LED102	SML-E12V8WT86N		
		LED302	SML-E12V8WT86N		
		LED501	SML-E12V8WT86N		
		LED502	SML-E12V8WT86N		
35	1	L1	LQH5BPN3R3N38		
36	4	L20	TFM252012ALMAR47MTAA		
		L21	TFM252012ALMAR47MTAA		
		L100	TFM252012ALMAR47MTAA		
		L101	TFM252012ALMAR47MTAA		
37	7	Q60	DTC013ZUBTL	SOT-323FL	
		Q301	DTC013ZUBTL	SOT-323FL	
		Q302	DTC013ZUBTL	SOT-323FL	
		Q303	DTC013ZUBTL	SOT-323FL	
		Q304	DTC013ZUBTL	SOT-323FL	
		Q501	DTC013ZUBTL	SOT-323FL	
		Q502	DTC013ZUBTL	SOT-323FL	
38	2	Q601	RW4E075AJ		
		Q602	RW4E075AJ		
39	1	R1	680k_F_1005	1005	1%
40	1	R2	100k_F_1005	1005	1%
41	10	R3	0_1005_NM	1005	5%
		R5	0_1005_NM	1005	5%
		R20	0_1005_NM	1005	5%
		R21	0_1005_NM	1005	5%
		R53	0_1005_NM	1005	5%
		R54	0_1005_NM	1005	5%
		R55	0_1005_NM	1005	5%
		R715	0_1005_NM	1005	5%

		R716	0_1005_NM	1005	5%
		R731	0_1005_NM	1005	5%
42	40	R4	0_1005	1005	5%
		R6	0_1005	1005	5%
		R9	0_1005	1005	5%
		R12	0_1005	1005	5%
		R22	0_1005	1005	5%
		R23	0_1005	1005	5%
		R50	0_1005	1005	5%
		R51	0_1005	1005	5%
		R52	0_1005	1005	5%
		R57	0_1005	1005	5%
		R100	0_1005	1005	5%
		R102	0_1005	1005	5%
		R104	0_1005	1005	5%
		R105	0_1005	1005	5%
		R202	0_1005	1005	5%
		R203	0_1005	1005	5%
		R313	0_1005	1005	5%
		R314	0_1005	1005	5%
		R315	0_1005	1005	5%
		R316	0_1005	1005	5%
		R319	0_1005	1005	5%
		R325	0_1005	1005	5%
		R516	0_1005	1005	5%
		R520	0_1005	1005	5%
		R525	0_1005	1005	5%
		R530	0_1005	1005	5%
		R637	0_1005	1005	5%
		R672	0_1005	1005	5%
		R673	0_1005	1005	5%
		R674	0_1005	1005	5%
		R675	0_1005	1005	5%
		R690	0_1005	1005	5%
		R691	0_1005	1005	5%
		R714	0_1005	1005	5%
		R727	0_1005	1005	5%
		R728	0_1005	1005	5%
		R732	0_1005	1005	5%

		R733	0_1005	1005	5%
		R734	0_1005	1005	5%
		R756	0_1005	1005	5%
43	1	R7	0_3216	3216	5%
44	15	R8	10k_1005	1005	5%
		R56	10k_1005	1005	5%
		R704	10k_1005	1005	5%
		R705	10k_1005	1005	5%
		R707	10k_1005	1005	5%
		R708	10k_1005	1005	5%
		R709	10k_1005	1005	5%
		R717	10k_1005	1005	5%
		R718	10k_1005	1005	5%
		R719	10k_1005	1005	5%
		R720	10k_1005	1005	5%
		R721	10k_1005	1005	5%
		R735	10k_1005	1005	5%
		R736	10k_1005	1005	5%
		R737	10k_1005	1005	5%
45	1	R10	220K_D_1005	1005	0.50%
46	1	R11	30K_D_1005	1005	0.50%
47	17	R13	0_2012	2012	5%
		R106	0_2012	2012	5%
		R107	0_2012	2012	5%
		R201	0_2012	2012	5%
		R207	0_2012	2012	5%
		R208	0_2012	2012	5%
		R209	0_2012	2012	5%
		R743	0_2012	2012	5%
		R744	0_2012	2012	5%
		R745	0_2012	2012	5%
		R746	0_2012	2012	5%
		R747	0_2012	2012	5%
		R748	0_2012	2012	5%
		R749	0_2012	2012	5%
		R750	0_2012	2012	5%
		R751	0_2012	2012	5%
		R752	0_2012	2012	5%
48	1	R40	1k_1608	1608	5%

49	2	R41	220_1608	1608	5%
		R60	220_1608	1608	5%
50	10	R42	0_1608	1608	5%
		R44	0_1608	1608	5%
		R204	0_1608	1608	5%
		R206	0_1608	1608	5%
		R401	0_1608	1608	5%
		R655	0_1608	1608	5%
		R726	0_1608	1608	5%
		R753	0_1608	1608	5%
		R754	0_1608	1608	5%
		R755	0_1608	1608	5%
51	4	R130	3.3k_1005	1005	5%
		R131	3.3k_1005	1005	5%
		R741	3.3k_1005	1005	5%
		R742	3.3k_1005	1005	5%
52	7	R135	330_1005	1005	5%
		R136	330_1005	1005	5%
		R137	330_1005	1005	5%
		R303	330_1005	1005	5%
		R324	330_1005	1005	5%
		R501	330_1005	1005	5%
		R502	330_1005	1005	5%
53	7	R301	4.7k_1005	1005	5%
		R311	4.7k_1005	1005	5%
		R312	4.7k_1005	1005	5%
		R322	4.7k_1005	1005	5%
		R427	4.7k_1005	1005	5%
		R729	4.7k_1005	1005	5%
		R730	4.7k_1005	1005	5%
54	3	R302	220_1005	1005	5%
		R317	220_1005	1005	5%
		R318	220_1005	1005	5%
55	5	R304	1K_D_1005	1005	0.50%
		R305	1K_D_1005	1005	0.50%
		R307	1K_D_1005	1005	0.50%
		R308	1K_D_1005	1005	0.50%
		R426	1K_D_1005	1005	0.50%
56	1	R306	100_D_1005	1005	0.50%

57	9	R309	1k_1005	1005	5%
		R320	1k_1005	1005	5%
		R321	1k_1005	1005	5%
		R323	1k_1005	1005	5%
		R326	1k_1005	1005	5%
		R710	1k_1005	1005	5%
		R711	1k_1005	1005	5%
		R712	1k_1005	1005	5%
		R713	1k_1005	1005	5%
58	1	R310	2.4k_1005	1005	5%
59	25	R402	51_D_1005	1005	0.50%
		R403	51_D_1005	1005	0.50%
		R404	51_D_1005	1005	0.50%
		R405	51_D_1005	1005	0.50%
		R406	51_D_1005	1005	0.50%
		R407	51_D_1005	1005	0.50%
		R408	51_D_1005	1005	0.50%
		R409	51_D_1005	1005	0.50%
		R410	51_D_1005	1005	0.50%
		R411	51_D_1005	1005	0.50%
		R412	51_D_1005	1005	0.50%
		R413	51_D_1005	1005	0.50%
		R414	51_D_1005	1005	0.50%
		R415	51_D_1005	1005	0.50%
		R416	51_D_1005	1005	0.50%
		R417	51_D_1005	1005	0.50%
		R418	51_D_1005	1005	0.50%
		R419	51_D_1005	1005	0.50%
		R420	51_D_1005	1005	0.50%
		R421	51_D_1005	1005	0.50%
		R422	51_D_1005	1005	0.50%
		R423	51_D_1005	1005	0.50%
		R424	51_D_1005	1005	0.50%
		R425	51_D_1005	1005	0.50%
		R740	51_D_1005	1005	0.50%
60	1	R428	240_D_1005	1005	0.50%
61	9	R503	100k_1005	1005	5%
		R504	100k_1005	1005	5%
		R505	100k_1005	1005	5%

		R506	100k_1005	1005	5%
		R612	100k_1005	1005	5%
		R668	100k_1005	1005	5%
		R669	100k_1005	1005	5%
		R670	100k_1005	1005	5%
		R671	100k_1005	1005	5%
62	5	R601	PMR10EZPFU5L00	2012	1%
		R602	PMR10EZPFU5L00	2012	1%
		R603	PMR10EZPFU5L00	2012	1%
		R604	PMR10EZPFU5L00	2012	1%
		R605	PMR10EZPFU5L00	2012	1%
63	4	R606	PMR10EZPFU10L0	2012	1%
		R607	PMR10EZPFU10L0	2012	1%
		R608	PMR10EZPFU10L0	2012	1%
		R611	PMR10EZPFU10L0	2012	1%
64	1	R610	120_3216	3216	5%
65	1	R613	68k_F_1608	1608	1%
66	1	R614	36k_F_1608	1608	1%
67	1	R615	82k_F_1608	1608	1%
68	1	R616	150k_F_1608	1608	1%
69	1	R617	160k_F_1608	1608	1%
70	1	R618	110k_F_1608	1608	1%
71	1	R685	2k_F_1005	1005	1%
72	1	R686	220_F_1005	1005	1%
73	1	R687	200_F_1005	1005	1%
74	3	R688	100_F_1005	1005	1%
		R689	100_F_1005	1005	1%
		R706	100_F_1005	1005	1%
75	8	R692	33_F_1005	1005	1%
		R693	33_F_1005	1005	1%
		R694	33_F_1005	1005	1%
		R695	33_F_1005	1005	1%
		R696	33_F_1005	1005	1%
		R697	33_F_1005	1005	1%
		R698	33_F_1005	1005	1%
		R699	33_F_1005	1005	1%
76	4	R700	33_F_1608	1608	1%
		R701	33_F_1608	1608	1%
		R702	33_F_1608	1608	1%

		R703	33_F_1608	1608	1%
77	2	R738	33_F_1608_NM	1608	1%
		R739	33_F_1608_NM	1608	1%
78	2	SW301	SKHMQKE010		
		SW304	SKHMQKE010		
79	6	SW302	SSSS820201		
		SW303	SSSS820201		
		SW501	SSSS820201		
		SW502	SSSS820201		
		SW503	SSSS820201		
		SW504	SSSS820201		
80	22	TP1	RCW		
		TP2	RCW		
		TP3	RCW		
		TP4	RCW		
		TP20	RCW		
		TP21	RCW		
		TP22	RCW		
		TP23	RCW		
		TP40	RCW		
		TP41	RCW		
		TP100	RCW		
		TP101	RCW		
		TP102	RCW		
		TP103	RCW		
		TP120	RCW		
		TP121	RCW		
		TP122	RCW		
		TP130	RCW		
		TP131	RCW		
		TP135	RCW		
		TP602	RCW		
		TP603	RCW		
81	1	TP132	5006		
82	1	TP133	5008		
83	1	TP134	5007		
84	1	TP601	647609-3		
85	1	U1	BD9F500QUZ-E2		
86	1	U2	BD96801QXX-C		

87	1	U3	BR24G01F-3AGTE2		
88	1	U4	BD35395FJ-ME2	SOP-J8	
89	1	U201	XC7A25T-1CSG325C		
90	1	U302	SiT9120AC-1B3-XXE200.000000D		
91	1	U303	MT25QU128ABA1ESE-0SIT	SO8W	
92	1	U402	MT41K512M8DA-107:P		
93	1	U600	BD93F10MWV-E2		
94	8	U601	BD14210G-LATR		
		U602	BD14210G-LATR		
		U603	BD14210G-LATR		
		U604	BD14210G-LATR		
		U605	BD14210G-LATR		
		U606	BD14210G-LATR		
		U607	BD14210G-LATR		
		U608	BD14210G-LATR		
95	1	U609	BU4051BCFV		
96	1	U610	BU1CTD3WG		
97	1	U611	74AXP4T245PW		
98	1	U612	SI52142-A01AGM		
99	1	X600	403C35D25M00000		