

















Comment IIC2	Description IX2	Designator 13.8V	Footprint IX2	LibRef IX2	Quantity	LCSC Part #
DK2 CR1220	BR1632A/FA	B1	IX2 KLSS-CR1220-01	JX2 BR1632A/FA		
13-510/	2 Pin	800T	51022-0200 CADAE 4 444 4 14 4	51022-0200	1	
4.7uF 16V 22uF 10V	CAPAE_6.6x6.6h5.4 CAPAE_4.3x4.3h5.4	C1 C2	CAPAE_6.6x6.6h5.4 CAPAE_4.3x4.3h5.4	CAPAE_4.3x4.3h5.4	1	
100a	CAP_0805	C3, C4, C5, C6, C9, C16, C19, C21, C23, C31, C61, C62, C65, C67, C69, C10, C71, C72, C73, C74, C76, C78, C79, C81, C82, C83, C84, C85, C87, C88, C89, C91, C93, C94, C95, C98, C99, C107, C112, C113, C114, C115, C117, C118, C120, C123, C124, C125,	CAP_0805	CAP_0805	48	
1uf	CAP_0805	C7, C11, C12, C13, C14, C15, C35, C92, C119, C121, C122	CAP_0805	CAP_0805	11	
10uF 10V	CAPAE_4.3x4.3h5.4	C8, C20, C22, C24, C32	CAPAE_4.3x4.3h5.4	CAPAE_4.3x4.3h5.4	5	
470pf	CAP_0805	C10, C116	CAP_0805	CAP_0805	2	
1uF 10V 220pF	CAPAE_4.3x4.3h5.4 CAP_0805	C25, C26, C29 C27, C28, C30	CAPAE_4.3x4.3h5.4 CAP_0905	CAPAE_4.3x4.3h5.4 CAP_0805	3	
220uF 10V	CAPAE_4.3x4.3h5.4	C33, C34	EEEFC_sizeC	CAPAE_4.3x4.3h5.4	2	
NONE 2.7n	CAP_0805 CAP_0805	C36 C37	CAP_0805 CAP_0805	CAP_0805 CAP_0805	1	
6pF	CAP_0805	C38, C39 C40, C41, C50, C52	CAP_0805	CAP_0805	2	
10uf 22pF 100nF	CAP_0805 CAP_0805 CAP_0805	C42, C43 C44, C45, C46, C47, C48, C49, C51, C53, C56, C57, C58, C59	CAP_0805 CAP_0805 CAP_0805	CAP_0805 CAP_0805 CAP_0805	2	
10uF 9V	CAPAE_4.3x4.3h5.4	C96, C97, C100, C109, C110, C134 C54, C60	CAPAE_4.3x4.3h5.4	CAPAE_4.3x4.3h5.4	2	
7.5p 10n	CAP_0805 CAP_0805	C55 C63, C137	CAP_0905 CAP_0905	CAP_0805 CAP_0805	1	
10uF	C0805	C64, C66, C68	00805	C0805	3	
10uF 470p	EEEFC_sizeB CAP_0805	C75, C77, C80, C85 C90, C104	EEEFC_sizeB CAP_0805	CAP_0805	- 4	
10uF 20V 1uF	CAP_0805 CAPAE_4.3x4.3h5.4 CAP_1206	C101, C108 C102, C103	CAP_0805 CAPAE_4.3x4.3h5.4 CAP_1206	CAP_0805 CAPAE_4.3x4.3h5.4 CAP_1206	2	
10r 680pF		C102, C103 C105, C106	CAP_1206	CAF_1200	2	
22uF	[NoValue], EEEFC_sizeB	C125, C126	TC3528-1411	EEEFC_sizeB	2	
10pF 8.2nF	CAP_0805 CAP_0805	C127 C136	CAP_0805 CAP_0805	CAP_0805 CAP_0805	1	
SMAJ5.0A-TR	Diode	D1, D3, D29, D30, D31, D34, D35, D36, D37,	CAP_0805 SMBJ36CATR	SMLVT3V3	12	[NoParam], test
BAT54C	BATS4C	D38, D39, D40 D2	BAT54C	BATS4C	1	
SJ1-3525NG RF-UNIT	SJ1-3525NG 2*5 Pin	J1, J2, J3, J5 J4	\$J1-3625NG 90131-0126	SJ1-3523N 90131-0126	4	
FPC-45P-0.5mm	Connector	36	FH12S45S05SH60	FH12S-45S-0.5SH_55_	1	
FAN	51022-0200	17	51022-0200	51022-0200	1	
DAC_OUT	2-1734035-3 SMA	18	2-1734035-3 31-5431	2-1734035-3 31-5431	1	
ADC	SMA	J10	31-5431	31-5431	i	
	2*5 Pin	JTAG_FPGA, JTAG_STM32	IDC10	IDC10	2	
3.3uH BLM21	IND_1812 BLM21	L1 L3, L8	IND_1812 CAP_0805	IND_1812 IND_FERRITE_BEAD	1	
22uH	IND_1206	L7	14-1210	IND_1206	1	
10uH MIC_IN2	Inductor	L37 MIC_IN2	IND_FERRITE_CORE	IND_FERRITE_CORE 51022-0200	- 1	
PTT_IN	51022-0200	PTT_IN	51022-0200	51022-0200	1	
2SC5103TLP 10k	Transistor BJT NPN RES_0805	Q1 R1, R10, R13, R24, R27, R28, R30, R31, R32, R33, R36, R37, R38, R39, R46, R47.	29C5103TLQ RES_0805	25C5103TLP RES_0806	19	
120k+100k 0/NONE	RES_0805 By used crystal	R48, R56, R57 R2 R3	RES_0805 RES_0805	RES_0805 RES_0806	1	
5.6k 30k	RES_0805 RES_0805	R5, R6, R7, R9, R51 R8, R55	RES_0805 RES_0805	RES_0805 RES_0805	5	
680	RES_0805	R11	RES_0805	RES_0805	1	
47k 1.5k	RES_0805 RES_0805	R12, R14, R15, R45 R16, R66	RES_0805 RES_0805	RES_0805 RES_0806	4	
1k	RES_0805	R17, R18, R19, R25, R26, R49, R50, R52	RES_0805	RES_0805	8	
127	RES_0805	R20, R21	RES_0805	RES_0806	2	
82.5 Tm	RES_0805 RES_0805	R22, R23 R29	RES_0805 RES_0805	RES_0805 RES_0805	2	
100	RES_0805	R34, R35	RES_0805	RES_0805	2	
24	RES_0805 RES_0805	R40, R53, R54, R58 R41, R42, R43, R64,	RES_0805 RES_0805	RES_0805 RES_0805	1	
24 56	RES_0805 RES_0805	R65 R44, R67	RES_0805 RES_0805	RES_0805 RES_0805	- 5	ļ
	RES_0805	R59, R60	RES_0805	RES_0805	2	
330 5.6	RES_0805 RES_1206	R61 R62, R63	RES_0805 RES_1206	RES_0805 RES_1206	- 1	
10	RES_0603	R68, R69	RES_0603	RES_0603	2	
Thermistor 20k ADJ-5k	Thermistor 306J	R70 R71	MF52A103F3950A1 306J	MF52A103F3950_A1_ 306J		
ACP3225-501-2P-T 1:1+1	Transformer Transformer	T1 T3	TRANSF_ICORE TRANSF_ACORE2	TRANSF_ICORE TRANSF_ACORE2	1	
1:4 ADT4-6T	Transformer	T4	TRANSF_ACORE2	TRANSF_ACORE2	1	
1:1 PAM8406	Transformer PAM8406	T6 U1	TRANSF_ACORE PAMB403	TRANSF_ACORE PAM8406	-	
LD3985 ST1S10	LD3985 ST1S10	U2 U3	LD3985 ST1S10	LD3985 ST1S10		
WM8731	WM/8731	U4	WM8731	WM8731	i	
STM32H743VIT6- rev.V	STM32H743VIT6	US	STM32H743V1T6	STM32H743VIT6	1	
LM1084IS-3.3 W25Q16	LM1084IS-3.3 W25Q16	U6 U7	LM1085-3.3 W25Q16	LM1085-3.3 W25Q16	- 1	
DAC5674IPHP	Integrated Circuit	U8	QFP50P900X900X100-	DAC5674IPHP	,	
25P80	25P80	U9	49N 25P80	25P80		
EP4CE22E22C8N LD1117DT-2.5	EP4CE22E22C8N LD1117DT-2.5 DPAK	U10 U11	QFP144-20-2222A TO228P991X238-3N	EP4CE22E22C8N LM1117DT-ADJ	1	
LD1117DT-1.2	LD1117DT-1.2 DPAK	U12	TO228P991X238-3N	LM1117DT-ADJ	-	
LD1117-3.3 LD1117-1.8	LT1117CST-3.3 LT1117CST-1.8	U13 U14	LT1117CST-3.3 LT1117CST-3.3	LT1117CST-3.3 LT1117CST-3.3	- 1	
SPEAKER	4 pins conn LTC2208CUP	U15	speaker conn	speaker conn LTC2208CUP	- 1	
LTC2208CUP	Single Channel, Low Noise, Low Distortion	U16	LTC2208CUP	e. czzobodł		
LTC6400IIUD-20#PBF	Noise, Low Distortion Differential ADC Driver for 300 MHz IF, 1800 MHz Typical GBW, 4500 V/us Typical SR, 2.85 to 3.5 V, 16-Pin QFN (UD- 16), Industrial, Pb- Free	U17	LT-UD-16_N	CMP-0359-03855-2	,	
LD1117DT-3.3	LD1117DT33 DPAK	U18	TO228P991X238-3N	LM1117DT-ADJ	1	
ADUM4160BRWZ	Integrated Circuit	U19	SOIC127P1032X265- 16N	ADUM4160BRWZ	1	
OPA2673IRGVT	Integrated Circuit	U20	QFN65P400X400X100- 17N-D	OPA2673IRGVT	1	
L7812CD2T-TR	Integrated Circuit NV7050SA	U21	L7812CD2TTR	L7812CD2T-TR	,	
		XG1	NV7050SA	NV7050SA	1	l
122.88Mhz 12.288Mhz TCXO 3.3v	VG-4513CA- 122.8800M-GGCT3					
122.88Mhz 12.288Mhz TCXO 3.3v TTL/CMOS (set other freq in fpga code) ABS25-32.768KHZ-6-T	VG-4513CA- 122.8800M-GGCT3 Crystal or Oscillator Crystal or Oscillator	XG2	581L200K2ITT ABS25	581L200X2ITT ABS25-32-768KHZ-6-T	1	