

BOM BEAGLESDR REV 2

Manufacturer生产商	Manufacturer Part Number生产商编号	Name名称	Designator位置	Qty数量	Description描述(值, 耐压, 精度 μ F)	Case 封装	SMD ,BGA,LLC(QFN),OR TH	Top/Bottom顶层/底层	points点数	points
Abracon Corporation	ABLS2-8.000MHZ-D4Y-T	晶体	Y1	1	8MHz,18pF,HC49/US	SM-49	SMD	Bottom	2	2
Pericom	FNEPON125	振荡器	U25	1	125MHz,±50ppm,4-SMD	7.00mmL*5.00mmW*1.55mmH	SMD	Top	4	4
Knowles	VCC1-B3D-50M0000000	振荡器	U204	1	50MHz,±50ppm,4-SMD	7.00mmL*5.00mmW*1.60mmH	SMD	Bottom	4	4
NXP Semiconductors	PMBT2222A,215	单晶体管	Q2,Q7,Q8,Q9,Q10,Q15,Q16,Q17,Q18,Q20	10	NPN,40V,600mA,SOT-23-3	SOT-23-3	SMD	Top	3	30
Fairchild Semiconductor	BSS84	FET单	Q1,Q3,Q4,Q5,Q6,Q11,Q12,Q13,Q14,Q19	10	P-CH,50V,130mA(Ta),SOT-23	SOT-23	SMD	Top	3	30
TE Connectivity	1825910-6	触摸开关	S1, S15	2	SPST-NO,24VDC,0.05A,6.00mmL*6.00mmW*5.00mmH	6.00mmL*6.00mmW*5.00mmH	TH	Top	4	8
Texas Instruments	ADS5522IPAP	IC	U3	1	ADS5522IPAP,HTQFP-64	HTQFP-64	SMD	Top	65	65
Texas Instruments	THS4501ID	IC	U4	1	THS4501ID,SOIC-8	SOIC-8	SMD	Top	8	8
NXP Semiconductors	PCA9306DP1,125	IC	U5	1	PCA9306DP1,125,TSSOP-8	TSSOP-8	SMD	Top	8	8
Micron Technology	MT48LC16M16A2P-7E:G	IC	U6	1	MT48LC16M16A2P-7E:G,TSOP II-54	TSOP II-54	SMD	Bottom	54	54
Texas Instruments	LM1117MPX-2.5/NOPB	IC	U102	1	LM1117MPX-2.5/NOPB,SOT-223	SOT-223	SMD	Top	4	4
Xilinx	XC3S500E-4PQG208C	IC	U8	1	XC3S500E-4PQG208C,PQFP-208	PQFP-208	SMD	Bottom	208	208
Atmel	ATMEGA328P-AUR	IC	U9	1	ATMEGA328P-AUR,TQFP-32	TQFP-32	SMD	Bottom	32	32
Texas Instruments	SN74AHC1G125DBVR	IC	U10	1	SN74AHC1G125DBVR,SOT-23-5	SOT-23-5	SMD	Bottom	5	5
Texas Instruments	TXS0102DCTR	IC	U11, U12, U13, U105	4	TXS0102DCTR,SM8	SM8	SMD	Top	8	32
Texas Instruments	LM1117MPX-3.3/NOPB	IC	U101, U114, U115, U116	4	LM1117MPX-3.3/NOPB,SOT-223	SOT-223	SMD	Top	4	16
Diodes Incorporated	ZLDO1117GTA	IC	U103	1	ZLDO1117GTA,SOT-223-3	SOT-223-3	SMD	Top	4	4
STMicroelectronics	M24C01-WMN6TP	IC	U104	1	M24C01-WMN6TP,SO-8	SO-8	SMD	Top	8	8
Texas Instruments	LM1117MPX-5.0/NOPB	IC	U117	1	LM1117MPX-5.0/NOPB,SOT-223	SOT-223	SMD	Top	4	4
NXP Semiconductors	PCF8574TS/3,118	IC	U201	1	PCF8574TS/3,118,SSOP-20	SSOP-20	SMD	Top	20	20
Texas Instruments	SN74AVC4T774PWR	IC	U202, U203, U206	3	SN74AVC4T774PWR,TSSOP-16	TSSOP-16	SMD	Top	16	48
Linear Technology	LTC6904IMS8#PBF	IC	U205	1	LTC6904IMS8#PBF,MSOP-8	MSOP-8	SMD	Bottom	8	8
Micron Technology	M25P40-VMN6TP TR	IC	U302	1	M25P40-VMN6TP TR,8-SO	8-SO	SMD	Top	8	8
Texas Instruments	SN74AUP1T157DCKR	IC	U303, U304	2	SN74AUP1T157DCK,SC-70-6	SC-70-6	SMD	Top	6	12
Analog Devices	AD9764ARUZ	IC	U701	1	AD9764ARUZ,28-TSSOP	28-TSSOP	SMD	Top	28	28
MACOM	MABAES0060	平衡-不平衡变压器	T1	1	300kHz-200MHz,5-SMD	5-SMD	SMD	Top	5	5
Samtec	MCX-J-P-H-ST-TH1	同轴连接器	Ant_Rx, Ant_Tx	2	50R,母型,180度	6.00mmL*6.00mmW*8.51mmH	TH	Top	5	10
TAD	1-0602FBV0T	矩形连接器公插针	J2	1	2*3针,间距2.54mm,180度	间距2.54mm	TH	Top	6	6
TAD	1-0601FBV0T	矩形连接器公插针	J301	1	1*6针,间距2.54mm,180度	间距2.54mm	TH	Top	6	6
TAD	1-0301FBV0T	矩形连接器公插针	J103	1	1*4针,间距2.54mm,180度	间距2.54mm	TH	Top	4	4
TAD	1-0301FBV0T	矩形连接器公插针	JP3	1	1*3针,间距2.54mm,180度	间距2.54mm	TH	Top	3	3
TAD	1-0301FBV0T	矩形连接器公插针	JP4	1	1*4针,间距2.54mm,180度	间距2.54mm	TH	Top	4	4
TAD	1-0201FBV0T	矩形连接器公插针	JP101	1	1*2针,间距2.54mm,180度	间距2.54mm	TH	Top	2	2
TAD	1-0602FBV0T	矩形连接器公插针	JP5,JP6	2	1*3针,间距2.54mm,180度	间距2.54mm	TH	Top	3	6
AVX Corporation	TAJ1C106M016RNJ	钽电容器	C101	1	33uF,16V,20%,2312(C)	2312(C)	SMD	Top	2	2
TDK Corporation	C1005X7R1H104K050BB	陶瓷电容器	T:C706, C707, C708	3	100nF,50V,10%,X7R,0402	0402	SMD	Top/Bottom	2	6
AVX Corporation	TAJ1C106M016RNJ	钽电容器	C117	1	22uF,16V,20%,2312(C)	2312(C)	SMD	Top	2	2
Analog Devices	ADF4350	IC	U15	1	ADF4350	QFN-32	SMD	Top	32	32
Minicircuits	ADEX-10L	IC	U20, U21	2	ADEX-10L	MSOP-6	SMD	Top, Bottom	8	16
3.5mm audio jack socket	3.5mm audio jack socket	3.5mm音频插孔	HP, MIC	2	3.5mm audio jack socket	5	SMD	Top	5	10
NXP Semiconductors	SGTL5000XNLA3R2	IC	U2	1	SGTL5000XNLA3R2	QFN-20	SMD	Bottom	20	20
TAD		板对板连接器	EXP (ex.P17)	28 (总)	2*14针,间距2.54mm,脚长3mm,180度	Pin Pitch2.54mm	SMD	Bottom	28	28
Generic	GRM155R61C104KA88D	Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C22, C23, C24, C25, C27, C28, C29, C31, C32, C33, C34, C36, C38, C39, C40, C41, C42, C43, C44, C45, C706, C707, C708		Cap	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	GRM155R61C105KA12D	Capacitor	C9, C17, C18, C19, C20, C80, C81	7	Cap	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	GRM155C1H470JA01D	Capacitor	C10	1	Cap	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	GRM155R71C103JA01D	Capacitor	C11, C12	2	Cap	CAPC1005X55N	SMD	Top/Bottom	2	

Generic	GRM155R61C104KA88D	Capacitor SMD Cer 1uF 10% 16V X5R 0402	C13, C46, C48, C49, C50, C51, C53, C54, C55, C107, C108, C201, C202, C203, C204, C205, C206, C207, C210, C211		CAPC_1u_0402_X5R_6V3_10%	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	GRM155S1H2R0BA01D	Capacitor	C15, C16	2	Cap	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	GRM155S1H5G0JA01D	Capacitor	C21	1	Cap	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	GRM31CR61C226KE15L	Polarized Capacitor (Radial)	C47	1	Cap Pol1	CAMPMP3216X180N	SMD	Top/Bottom	2	
Generic	GRM31CR71H475KA12L	Capacitor SMD Tantalum 4.7uF 10% 16V 3216-18	C52	1	CAPT_4u7_3216_16V	CAMPMP3216X180N	SMD	Top/Bottom	2	
Generic	GRM188R71E104KA01D	CAP CER 0.1UF 25V Y5V 0603	C56, C57, C58, C59, C60	5	C0603 - CL10F104ZA8NNNC	CAPC1005X55N	SMD	Top/Bottom	2	
Generic	TAJC106M016RNJ	Capacitor SMD Tantalum 10uF 20% 16V EIA 6032-28	C101, C102, C113, C115, C116, C117, C118, C119	8	CAPT_10u_6032_16V	CAMPMP6032X280N	SMD	Top/Bottom	2	
Generic	CL31A475KOHNNNE	Capacitor SMD Tantalum 4.7uF 10% 16V 3216-18	C105, C106	2	CAPT_4u7_3216_16V	CAMPMP3216X180N	SMD	Top/Bottom	2	
Generic	GRM155R61C104KA88D	Capacitor (Semiconductor SIM Model) 100NF	C142, C143, C144, C145, C146, C147, C148, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190		Cap Semi	0402	SMD	Top/Bottom	2	
Generic	LTST-C190KFKT 贴片 橙色 编带	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D5	1	LED2	0603	SMD	Top/Bottom	2	
Generic	Würth Electronics	Würth Electronics 742792641	FR1, FR2	2	Ferrite	C0603 磁珠	SMD	Top/Bottom	2	
Generic	LTST-C171EKT	LED 0805 SMD Red 6mcd 621nm	LED1, LED2	2	LED_SMD_Red_0805_6mcd	LED-0603-RED	SMD	Top/Bottom	2	
Generic	19-217/BHC-ZL1M2RY/3T	LED 0603 SMD Green 525nm 350mcd 20mA	LED302, LED303	2	LED_SMD_Green_0603_525nm_350mcd	LED-0603-BLUE	SMD	Top/Bottom	2	
Generic	LTST-C191TGKT	LED 0603 SMD Green 525nm 350mcd 20mA	LED304	1	LED_SMD_Green_0603_525nm_350mcd	LED-0603-GREEN	SMD	Top/Bottom	2	
Generic	BSS84LT1G	MOSFET SMD P-CH 50V 130mA SOT23-3	Q1, Q3, Q4, Q5, Q6, Q11, Q12, Q13, Q14, Q19		MOSFET_BSS84	SOT23-3	SMD	Top/Bottom	3	
Generic	MMBT2222LT1G	Transistor SMD NPN 40V 600mA 250mW SOT23-3	Q2, Q7, Q8, Q9, Q10, Q15, Q16, Q17, Q18, Q20		NPN_MMBT2222A	SOT23-3	SMD	Top/Bottom	3	
Generic	0402WGF4701TCE	Resistor	R1, R17, R19, R20, R21, R22, R23		Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF2201TCE	Resistor	R2	1	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF1002TCE	Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 330 Ohm 0.063W 5% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 330 Ohm 0.063W 5% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402, Resistor SMD chip 10k Ohm 0.063W 1% 0402,	R3, R4, R18, R32, R34, R36, R37, R39, R40, R42, R43, R44, R45, R55, R57, R59, R60, R61, R62, R63, R64, R69, R70, R306, R307, R308		RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_330R_0402_5%, RES_10K_0402_1%, RES_330R_0402_5%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_10K_0402_1%, RES_100R_0603_1%, RES_100R_0603_1%, RES_100R_0603_1%	RESC1005X40N	SMD	Top/Bottom	2	
Generic	0402WGF1002TCE	Resistor	R5	1	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	RC-02U3R65FT	Resistor	R6	1	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF1301TCE	Resistor	R7, R8	2	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF255JTCE	Resistor	R9, R10	2	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	RC-02W10R0FT	Resistor	R11	1	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF2001TCE	Resistor	R12, R702	2	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF1470TCE	Resistor	R13	1	Res1	RESC1005N	SMD	Top/Bottom	2	

Generic	0402WGF562ZTCE	Resistor	R16	1	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGF3300TCE	Resistor	R24, R25, R26, R27, R29	5	Res1	RESC1005N	SMD	Top/Bottom	2	
Generic	0805W8F2201T5E	Resistor SMD chip 2.2k Ohm 0.125W 1% 0805, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603, Resistor SMD chip 100k Ohm 0.1W 1% 0603,	R28, R38, R49, R51, R52, R53, R65, R66, R67, R68, R71		RES_2K2_0805_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%, RES_100K_0603_1%	RESC1608N	SMD	Top/Bottom	2	
Generic	0805W8F2201T5E	Resistor SMD chip 2.2k Ohm 0.125W 1% 0805, Resistor SMD chip 2.2k Ohm 0.125W 1% 0805, Resistor SMD chip 2.2k Ohm 0.125W 1% 0805, Resistor SMD chip 2.2k Ohm 0.125W 1% 0805, Resistor SMD chip 330 Ohm 0.063W 5% 0402, Resistor SMD chip 330 Ohm 0.063W 5% 0402	R30, R31, R33, R35, R303, R304		RES_2K2_0805_1%, RES_2K2_0805_1%, RES_2K2_0805_1%, RES_2K2_0805_1%, RES_330R_0402_5%, RES_330R_0402_5%	RESC1005N	SMD	Top/Bottom	2	
Generic	0402WGJ0103TCE	Semiconductor Resistor10K	R41, R46, R47, R48, R50, R54, R56, R58		Res Semi	0402	SMD	Top/Bottom	2	
Generic	4D03WGF1002T5(E)	Resistor array 10K Ohm 4-pack 62.5mW 5% 4x1608 SMD	R101, R201	2	RESPACK_10K_5%_4X	RESCAXS50P160X32 0X70-8N	SMD	Top/Bottom	2	
Generic	0402WGF499JTCE OK	Resistor	R701	1	阻值49.9R	RESC1005N	SMD	Top/Bottom	2	
Generic	1825910-6	Switch, tact, 5.0mm stem	S15	1	SW_THT_PB_5.0mm	TACT-SWITCH-TS1143	SMD	Top/Bottom	2	
Generic	0402B511K500NT OK	Capacitor (Semiconductor SIM Model)	C144	1	容值=510pF	0402	SMD	Top/Bottom	2	
Generic	GRM155R71H102KA01D	Capacitor (Semiconductor SIM Model)	C145	1	容值=1nF	0402	SMD	Top/Bottom	2	
Generic	CC0402KRX7R8BB153 OK	Capacitor (Semiconductor SIM Model)	C146	1	容值=15nF	0402	SMD	Top/Bottom	2	
Generic	0402 23K	Semiconductor Resistor	R41	1	阻值=23K	0402	SMD	Top/Bottom	2	
Generic	0402WGF1102TCE	Semiconductor Resistor	R47	1	阻值=11K	0402	SMD	Top/Bottom	2	