

PARTS LIST for ZHD-Qstar

Item	Value	Description	Reference	PCB DECAL
1	DNP	res,0,+/-5%,0402,1/16W	L602-604 R30 R36-38 R54-55 R59-60 R62 R65-66 R70 R72 R79 R224 R301 R305 R367-368 R417 R511-512 R526 R568-569 R618-619 R621-625 R629 R844-845 C851 R962 R967 R1208 R1214 R1512 R1545 R1575-1576 R1589-1590 R1593 R1595 R1806	RES0402
2	DNP	res,0,+/-5%,0402,1/16W	R63-64 R77	RES0402
3	2.2	res,2.2,+/-5%,0402,1/16W	R1538	RES0402
4	100	res,100,+/-5%,0402,1/16W	R14 R25-26	RES0402
5	1K	res,1K,+/-5%,0402,1/16W	R31-32 R1543	RES0402
6	2.2K	res,2K2,+/-5%,0402,1/16W	R534 R604-607	RES0402
7	10K	res,10K,+/-5%,0402,1/16W	R12 R302-304 R572 R836	RES0402
8	39K	res,39K,+/-5%,0402,1/16W	R566	RES0402
9	51K	res,51K,+/-5%,0402,1/16W	R8-11 R1801, R1802 , R1804 , R1805	RES0402
10	68K	res,68K,+/-5%,0402,1/16W	R573-576	RES0402
11	100K	res,100K,+/-5%,0402,1/16W	R35 R56 R58 R85 R263 R522 R539 R556 R560 R720 R960 R1596 R1599 R1601	RES0402
12	10K	res,10K,+/-5%,0402,1/16W	R71, R83	RES0402
13	DNP	res,100K,+/-5%,0402,1/16W	R1143	RES0402
14	200K	res,200K,+/-5%,0402,1/16W	R1209	RES0402
15	470K	res,470K,+/-5%,0402,1/16W	R565	RES0402
16	1M	res,1M,+/-5%,0402,1/16W	R57	RES0402
17	DNP	res,0,+/-5%,0402,1/16W	R73 R535	RES0402_DNP
18	DNP	res,10K,+/-5%,0402,1/16W	R834	RES0402_DNP

19	DNP	res,100K,+/-5%,0402,1/16W	R520 R555 R557-559 R812	RES0402_DNP
20	10	res,10,+/-1%,0402,1/16W	R611-612 R614-617	RES0402
21	3.9K	res,3K9,+/-1%,0402,1/16W	R847	RES0402
22	10K	res,10K,+/-1%,0402,1/16W	R6-7 R78 R81-82 R86 R1803	RES0402
23	75K	res,75K,+/-1%,0402,1/16W	R810-811	RES0402
24	100K	res,100K,+/-1%,0402,1/16W	R1203-1204 R1206-1207 R1220	RES0402
25	330K	res,330K,+/-1%,0402,1/16W	R719	RES0402
26	820K	res,820K,+/-1%,0402,1/16W	R1213	RES0402
27	8.06K	res,8K06,+/-1%,0402,1/16W	R718	RES0402
28	DNP	res,10K,+/-1%,0402,1/16W	R1205	RES0402_DNP
29	DNP	res,100K,+/-1%,0402,1/16W	R1201-1202	RES0402_DNP
30	0R	res,0,+/-5%,0603,1/10W	R523	RES0603
31	40.2	res,40.2,+/-1%,0603,1/10W	R603	RES0603
32	0.1	res, 0.1, +/-1%,0805,1/8W	R567	RES0805
33	DNP	res, 0.15,+/-1%,0805,1/8W	R510	RES0805_DNP
34	DNP	Cap,Ceramic,0402,1.2pF,+/-0.1pF,50V,C0G	C1201	CAP0402
35	1.3pF	Cap,Ceramic,0402,1.3pF,+/-0.25pF,50V,C0G	C1549	CAP0402
36	3.9pF	Cap,Ceramic,0402,3.9pF,+/-0.25pF,50V,C0G	C1548	CAP0402
37	10pF	Cap,Ceramic,0402,10pF,+/-0.5pF,50V,C0G	C836-837 C852 C857	CAP0402
38	DNP	res,100K,+/-5%,0402,1/16W	R1143	RES0402
39	12pF	Cap,Ceramic,0402,12pF,+/-5%,50V,C0G	C38 C47 C854	CAP0402
40	15pF	Cap,Ceramic,0402,15pF,+/-5%,50V,C0G	C1533	CAP0402

41	18pF	Cap,Ceramic,0402,18pF,+/-5%,50V,C0G	C1211	CAP0402
42	22pF	Cap,Ceramic,0402,22pF,+/-5%,50V,C0G	C603-604	CAP0402
43	33pF	Cap,Ceramic,0402,33pF,+/-5%,50V,C0G	C853 C1212 C1540 C1574-1575 C20 C289-290	CAP0402
44	39pF	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C1 C032-033 C601 C820 C835 C856	CAP0402
45	1500pF	Cap,Ceramic,0402,1500pF,+/-5%,50V,X7R	C801-802	CAP0402
46	DNP	Cap,Ceramic,0402,2.2pF,+/-0.25pF,50V,C0G	C1529-1530 C1578-1579	CAP0402_DNP
47	DNP	Cap,Ceramic,0402,3.3pF,+/-0.25pF,50V,C0G	C7 C407	CAP0402_DNP
48	DNP	Cap,Ceramic,0402,39pF,+/-5%,50V,C0G	C029	CAP0402_DNP
49	DNP	Cap,Ceramic,0402,100pF,+/-5%,50V,C0G	C600 C602	CAP0402_DNP
50	1000pF	Cap,Ceramic,0402,1000pF,+/-10%,50V,X7R	C838-839 C844	CAP0402
51	0.01uF	Cap,Ceramic,0402,0.01uF,+/-10%,16V,X7R	C561	CAP0402
52	0.01uF	Cap,Ceramic,0402,0.01uF,+/-10%,25V,X7R	C1531 C1543-1544 C1550	CAP0402
53	0.1uF	Cap,Ceramic,0402,0.1uF,+/-10%,10V,X5R	C5 C23 C34 C203-204 C287-288 C294 C301 C305 C511-513 C552 C560 C571 C605-606 C614 C618-619 C623 C627 C630 C730-731 C833-834 C845-846 C960 C1205 C1808	CAP0402
54	0.1uF	Cap,Ceramic,0402,0.1uF,+/-10%,16V,X5R	C1564	CAP0402
55	0.22uF	Cap,Ceramic,0402,0.22uF,+/-10%,10V,X5R	C568 C279-280 C291	CAP0402
56	1uF	Cap,Ceramic,0402,1uF,+/-10%,6.3V,X5R	C2	CAP0402
57	1uF	Cap,Ceramic,0402,1uF,+/-10%,10V,X5R	C3 C53-54 C303-304 C502-503 C514-515 C534 C536 C538-539 C541 C548-551 C553 C565 C566 C569-570 C607-611 C613 C615-616 C624-625 C629 C632 C715 R801-803 R863 C1807	CAP0402
58	DNP	Cap,Ceramic,0402,0.1uF,+/-10%,16V,X7R	C1207 C1210 C1801-1806 C35	CAP0402_DNP
59	2.2uF	Cap,Ceramic,0402,2.2uF,+/-20%,6.3V,X5R	C535	CAP0402

60	1uF	Cap,Ceramic,0603,1uF,+/-10%,16V,X5R,H=0.5mm	C1202-1204	CAP0402
61	2.2uF	Cap,Ceramic,0603,2.2uF,+/-10%,10V,X5R	C516 C531 C533 C537 C540 C542-545 C716 C1513 C1547 C612 C617 C620-621 C626 C628 C631	CAP0603
62	4.7uF	Cap,Ceramic,0603,4.7uF,+/-10%,10V,X5R	C302 C510 C532 C622 C714	CAP0603
63	4.7uF	Cap,Ceramic,0603,4.7uF,+/-20%,6.3V,X5R,H=0.50mm max	C1206 C1208	CAP0603
64	10uF	Cap,Ceramic,0603,10uF,+/-20%,6.3V,X5R	C819 C1209	CAP0603
65	4.7uF	Cap,Ceramic,0805,4.7uF,+/-10%,25V,X5R,T=1.25mm	C567	CAP0805
66	10uF	Cap,Ceramic,0805,10uF,+/-10%,10V,X5R,T=1.25mm	C509 C525-530	CAP0805
67	DNP	Cap,Ceramic,0805,10uF,+/-10%,10V,X5R,T=1.25mm	C523	CAP0805_DNP
68	22uF	Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R,T=0.95mm max	C855 C1214	CAP0805
69	0R	ind,0R,+/-0.3n,0402	L1200	IND0402
70	DNP	ind,10n,+/-5%,0402	L4-5	IND0402
71	22nH	ind,22n,+/-5%,0402	L1504	IND0402
72	3.9nH	ind,3.9n,+/-0.2n,0402	L1501	IND0402
73	DNP	ind,18n,+/-5%,0402	L1201	IND0402_DNP
74	DNP	ind,120n,+/-5%,0603	L429	IND0603
75	2.2uH	Ind power, 2.2uH,+/-20%, 3.2*2.5*1.55mm, 790mA , DCR0.097ohm	L1202	LQH32CN_1_7
76	3.3uH	Ind power, 3.3uH,+/-20%, 3*3*1mm,870mA, DCR0.14ohm	L510	NR3010
77	4.7uH	Ind power, 4.7uH,+/-20%, 3*3*1mm , 750mA, DCR0.19ohm	L511	NR3010
78	10uH	Ind power, 10uH,+/-20%, 3*3*1.5mm,640mADCRO.23ohm	L512	NR3015

79	13 MHz	Crystal, 13MHz, +/-10ppm, 10pF, 3.2*2.5*0.75(mm)	Y601	DSX321G
80	26MHz	Crystal, 26MHz, +/-10ppm, 7pF, 3.2*2.5*0.75(mm)	Y1501	1C226000AB0E
81	32.768kHz	Crystal, 32.768KHz, +/-20ppm, 12.5pF, 7.0*1.5*1.4(mm)	Y602	SSP-T7-F
82	EMZ6.8ET 2R	Diode, Zenor, Vz=6.8V, Ir=0.5uA, ESD Protection=30KV	ESD501-502	EMD5
83	MBR120LS FT1G	Schottky Power Rectifier	D510	SOD-123
84	MBR130LS FT1G	Schottky Power Rectifier	D511	SOD-123
85	RB551V-30 TE-17	Diode, Schottky, If=100mA, Vf(max)=0.36v, Io=0.5A	D512	UMD2
86	2SA2030T 2L	Transister, Vceo=12V, Ic=1mA	Q960	VMT3_0_5
87	DTC114TM 3T5G	Transistor, NPN, Vceo=50V, Ic=1mA	Q718	SOT-723
88	NTA4001N T1G	Transister, N channel MOSFET, Vdss=20V, Vgs=10V, Id=238mA	Q512	SC-75
89	BAT54XV2 T1G	Diode, Schottky, Vr=30V, low forward Voltage-0.35V(typ)@If=10 mAdc	D3 D203	SOD-523
90	CDZT2R6. 8B	Diode , Zenor, 6.8V, ESD Protection=30KV	D960 D965	VMN2_0_4
91	DNP	Transistor, Power MOSFET, Vdss=20A, Vgs=8V, Id=2.9A	Q510	CHIP_FET_8PIN_DNP
92	24MHz	Oscillator, 24MHz, 12pF, +/-20ppm	Y1001	DSX321G
93	BSH103	N-Channel, Enhancement MOSFET, Id=0.85A, Vds=30V, SOT23	Q511	SOT-723_3PIN
94	NCP1521A SNT1G	Adjustable Output Voltage step-down Converter, 1.5MHz 600mA, TSOP-5 (Pb-Free)	U1201	TSOP_5PIN
95	ANCG12G 44SAA148 RD1	Preliminary Specifcation of CHIP DIELECTRIC ANTENNA	ANT2-3	AA148

96	XC6213B2 92GR	LDO,2.9V 150mA Single,USP-4	U530	USP-4
97	NL27WZ12 6USG	Dual Buffer,3-State Outputs 5.5V 2.6ns,US8(Pb-Free)	U4 U202-203	US8
98	NLAS4684 FCT1G	Analog Switch,Ultra-Low RON,Microbump-10	U1	BGA_10PIN
99	BC41B143 A06-IXB-E 4	Single Chip Bluetooth,V2.0+EDR,47 Ball CSP	U1501	CSP_47PIN
100	NC7SZ74K 8X	TinyLogic UHS D-Type Flip-Flop,8-Lead US8	U501	US8
101	DA9034-X X-CV1	Audio & Power Management for Monahans	U500	BGA_196PIN_8_8
102	88AP310-A 1-BGK1C6 24-TNO2	Application Processor with 13*13 VF_BGA Package	U600	BGA_400PIN_13_13_1
103	USB3319 for 24 pin QFN package	Hi-Speed USB PHY with 1.8V ULPI Interface	U718	QFN_24PIN
104	TS4962ME IJT	3W Filter-free Class D Audio Power Amplifier,Lead-Free Flip-Chip	U801	CSP_9PIN_1.6_1.6_0.6
105	AXT52612 4 SACKET	26PIN B to B	J5	AXT526124
106	XH414HG IV01E	Batt, 0.027mAh, 3.3V, BACKUP BATTERY	B510	XH414HGIV01E
107	8000-5819- C2R0	PS-47309-002	J1	TF
108	LFB212G4 5BA1A220	Filter,Band Pass Filter,2450MHz,LFB212G4 5BA1A220,Murata	U1502	LFB212G45BA1A220
109	DNP	Inand、SDIN5C2-4G	U27	BGA169
110	10uF	Cap,Ceramic,0805,10uF,+/- -20%,6.3V,X5R	C283	CAP0805
111	330uF/10V	Cap,Ceramic,1210,330uF, +/-20%,6.3V,X5R	C281-282	C1210
112	1N4001	diode	D23-24	SOD_523

113	ESD-0402-LF	RoHS ESD-0603-LF SMT 0402	ESD21-24	ESD
114	AXT56412 4 SOCKET	64 PIN B to B	GPS1	
115	FX11LB-11 6P-SV	2mm 100pin	J3	FX11LB-116P-SV
116	DNP	EVERLIGHT , LED	D22	LED0805
117	MMBT3904	triode	Q18,Q19,Q20,Q21	SOT-23
118	TF12P1_1 _R15X14_ H2_0MM 8000-5819- C2R0	T-Flash cassette	J1801	
119	SIM Socket SIM 卡	PS-47481-001	U28	SIM
	SKRTLAE0 10	KEY	SW4	SKRTLAE010
120	LCP UL94V-0	I-PEX connector	3G_ANT1	ANT
121	DNP	TEST Point	TP2 TP301 TP401 TP520 TP525-526 TP528 TP601 TP617	TP_0_5
122	DNP	TEST Point	TP3 TP17 TP1201-1205 TP1501-1508 TP1510-1511 TP1530-1531	TP_0_5
123	DNP	TEST Point	TP1 TP4 TP6-9 TP15-16 TP960	TP_1_5
124	DNP	TEST Point	TP22 TP536-537 TP5	TP_1_5
125	XC6210A3 32MR	High Current, High Speed LDO Regulators.	U19	SOT23_5PIN
126	XR20M117 2IL32	TWO CHANNEL I2C/SPI UART WITH 64-BYTE FIFO, 32-pin QFN	U16	
127	AT24C16A -10TI-2.7	Atmel Corporation	U11	AT25V,AT24C16A-1 0TI-2.7, 2-wire Serial EEPROM 16K (2048 x 8)
128	Value	Description	Reference	PCB DECAL
129	DNP	res,0,+/-5%,0402,1/16W	L602-604 R30 R36-38 R54-55 R59-60 R62 R65-66 R70 R72 R79 R224 R301	RES0402

			R305 R367-368 R417 R511-512 R526 R568-569 R618-619 R621-625 R629 R844-845 C851 R962 R967 R1208 R1214 R1512 R1545 R1575-1576 R1589-1590 R1593 R1595 R1806	
130	DNP	res,0,+/-5%,0402,1/16W	R63-64 R77	RES0402
131	2.2	res,2.2,+/-5%,0402,1/16W	R1538	RES0402
132	100	res,100,+/-5%,0402,1/16W	R14 R25-26	RES0402
133	1K	res,1K,+/-5%,0402,1/16W	R31-32 R1543	RES0402
134	2.2K	res,2K2,+/-5%,0402,1/16W	R534 R604-607	RES0402
135	10K	res,10K,+/-5%,0402,1/16W	R12 R302-304 R572 R836	RES0402
136	39K	res,39K,+/-5%,0402,1/16W	R566	RES0402
137	51K	res,51K,+/-5%,0402,1/16W	R8-11 R1801, R1802 , R1804 , R1805	RES0402
138	68K	res,68K,+/-5%,0402,1/16W	R573-576	RES0402
139	100K	res,100K,+/-5%,0402,1/16W	R35 R56 R58 R85 R263 R522 R539 R556 R560 R720 R960 R1596 R1599 R1601	RES0402
140	10K	res,10K,+/-5%,0402,1/16W	R71, R83	RES0402
141	200K	res,200K,+/-5%,0402,1/16W	R1209	RES0402