

blues wireless

Notecarrier-B v12

Item	Qty.	Reference	Manufacturer	MPN	Description	Supplier	Spr. Part #	Type	Package
1	1	CS1			PCB NOTECARRIER-M2-B V11 (45.62X45.62)mm 2L/SO/SR ENIG TG150 sp=1.6mm Cu=35um				
2	5	C7,C10,C111,C115,C116			CHIP CERAMIC CAPACITOR 100nF 16V 10% X7R 0402			SMD	CS-C-0402
3	2	C8,C9			CHIP CERAMIC CAPACITOR 10uF 6.3V 20% X5R 0402			SMD	CS-C-0402
4	1	C13			CHIP CERAMIC CAPACITOR 47uF 16V 20% X5R 1206			SMD	CS-C-1206
5	1	C14			CHIP CERAMIC CAPACITOR 4.7uF 6.3V 20% X5R 0402			SMD	CS-C-0402
6	2	C15,C16			CHIP CERAMIC CAPACITOR 10uF 10V 10% X5R 0603			SMD	CS-C-0603
7	1	C112			CHIP CERAMIC CAPACITOR 10nF 1000V 10% X7R 1206			SMD	CS-C-1206
8	1	DS14	STMicroelectronics	STPS3H100U	DIODE SCHOTTKY 3A 100V STPS3H100U SMB SMT			SMD	SMB
9	1	DS15	ON Semiconductor	FSV1045V	DIODE SCHOTTKY 10A 45V FSV1045V TO277-3 SMT			SMD	TO277-3
10	1	F1	Bourns Inc.	SF-0603F150-2	FAST BLOW FUSE 1.5A 32V 0603 SF-0603F150-2 BOURNS SMT			SMD	FS-0603
11	1	F2	Littelfuse Inc.	0603SFV350F/32-2	FAST BLOW FUSE 3.5A 32V 0603 SFV350F/32-2 LITTELFUSE SMT			SMD	FS-0603
12	1	J19	Amphenol ICC (FCI)	10118192-0001LF	CONNECTOR USB F/90° TIPO MICRO-B C.S. 10118192-0001LF FCI SMT			SMD	J-5-0065-FOS-MICROUSB10118192
13	1	J20	Amphenol ICC (FCI)	MDT420E01001	CONNECTOR M.2 75P M/90° P=0.5 MDT420E01001 AMPHENOL SMT			SMD	J-75-0050-MOS-M2-E
14	1	J21			HEADER STRIP 9P MALE P=2.54			THT	J-9-0254-MDT
15	1	J22			HEADER STRIP 9P MALE P=2.54			THT	J-9-0254-MDT
16	1	L2	Murata Electronics	1285AS-H-2R2M=P2	INDUCTOR 2.2uH 1.5A 20% 0806 1285AS-H-2R2M=P2 MURATA SMT	Digi-Key	490-10600-1-ND	SMD	LS-0806
17	1	L4	Coilcraft	XFL4020-222MEC	INDUCTOR 2.2 uH 3.1A 20% XFL4020-222MEC COILCRAFT SMT	Mouser	994-XFL4020-222MEC	SMD	LS-XFL4020
18	1	OBJ1	Würth Elektronik	9774025151R	ROUND STANDOFF STEEL 5.1X2.5 9774025151R W.E SMT	Digi-Key	732-7078-1-ND	SMD	DIST-WASMSIM0250
19	1	Q2	Alpha & Omega Semiconductor Inc.	AO3420	TRANSISTOR MOSFET N AO3420 SOT-23 ALPHA-OMEGA SMT	Digi-Key	785-1014-1-ND	SMD	SOT23
20	2	RR1,RR2	Bourns Inc.	CAY16-101J8LF	RESISTOR NETWORK 8R sing. 100R 5% 1506 CAY16-101J8LF BOURNS SMT	Digi-Key	CAY16-101J8LFCT-ND	SMD	RR-8X-1506
21	1	R6			CHIP RESISTOR 82K 0402 1/16W 1%			SMD	RS-0402
22	1	R10			CHIP RESISTOR 10M 0402 1/8W 5%			SMD	RS-0402
23	1	R307			CHIP RESISTOR 1M 1206 1/4W 1%			SMD	RS-1206
24	1	R317			CHIP RESISTOR 0R 0805 1/8W 5% ANTI-SULFUR			SMD	RS-0805
25	2	R318,R322			CHIP RESISTOR 0R 0402 1/16W 1%			SMD	RS-0402
26	1	R319			CHIP RESISTOR 1K 0402 1/16W 1%			SMD	RS-0402
27	1	SW1	Nidec Copal Electronics	CJS-1200TA	SWITCH SLIDE SPDT ON-ON. CJS-1200TA NIDEC COPAL ELECTRONICS SMT	Digi-Key	563-1021-1-ND	SMD	SW-CJS1200TA
28	1	TVS1	STMicroelectronics	SM6T6V8A	DIODE TVS TRANSIL UNIDIR. 600W 6.8V SM6T6V8A SMB SMT	Digi-Key	497-6501-1-ND	SMD	SMB
29	1	U3	Maxim Integrated	MAX17225ELT+T	IC MAX17225ELT+T MAXIM W-DFN6 SMT	Digi-Key	MAX17225ELT+TCT-ND	SMD	WDFN6-0200X0200
30	1	U4	Texas Instruments	TPS62748YFPT	IC TPS62748YFPT TEXAS DSBGA8 SMT	Digi-Key	296-43000-1-ND	SMD	XF8GA8

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MECHANICAL

1	1	ASS1			DIN 912 M2.5-0.45x4 HEX SOCKET HEAD CAP SCREW, FULLY-THREADED SHAFT, A2 STAINLESS	Grainger	6DA91	THT	
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NOT MOUNTED

1	1	C113	AVX Corporation	F930J107KAA	CHIP CAP.TANT. 100uF 6.3V 10% CASE A F930J107KAA AVX	Digi-Key	478-8152-1-ND	SMD	CS-T-A
2	1	C114	AVX Corporation	F930J227KBA	CHIP CAP.TANT. 220uF 6.3V 10% CASE B F930J227KBA AVX	Digi-Key	478-8166-1-ND	SMD	CS-T-B
3	4	DS4,DS5,DS6,DS10	Diodes Incorporated	BAV99BRVA-7	DIODE ARRAY 0.2A 75V BAV99BRVA-7 SOT563 DIODES SMT	Digi-Key	BAV99BRVA-7DICT-ND	SMD	SOT563
4	4	FID1,FID2,FID3,FID4			FIDUCIAL			SMD	FIDUCIAL
5	2	R323,R324			CHIP RESISTOR 0402			SMD	RS-0402