

PROJECT	2017-3047 (NOTECARRIER-M2-B)
REVISION	12
SCHEMATIC	20173047_NOTECARRIER-M2-B_V12
DATA	25/08/2020

Blues Inc

Item	Quantity	Reference	Part	MPN	Description	Temperature	Type	Package
1	1	CS1	CS V11 2L 35um		C.S. NOTECARRIER-M2-B V11 (45 62X45 62mm 2L/SO/SR ENIG TG150 sp=1.6mm Cu=35um	TG150		
2	5	C7,C10,C111,C115,C116	100n/16V		CHIP CERAMIC CAPACITOR 100nF 16V 10% X7R 0402		SMD	CS-C-0402
3	2	C8,C9	10u/6.3V-X5R		CHIP CERAMIC CAPACITOR 10uF 6.3V 20% X5R 0402	-55°..+85°	SMD	CS-C-0402
4	1	C13	47u/16V-X5R		CHIP CERAMIC CAPACITOR 47uF 16V 20% X5R 1206		SMD	CS-C-1206
5	1	C14	4.7u/6.3V-X5R		CHIP CERAMIC CAPACITOR 4.7uF 6.3V 20% X5R 0402		SMD	CS-C-0402
6	2	C15,C16	10u/10V-X5R		CHIP CERAMIC CAPACITOR 10uF 10V 10% X5R 0603		SMD	CS-C-0603
7	1	C112	10n/1kV		CHIP CERAMIC CAPACITOR 10nF 1000V 10% X7R 1206		SMD	CS-C-1206
8	1	DS14	STPS3H100U	STPS3H100U	DIODE SCHOTTKY 3A 100V STPS3H100U SMB SMT		SMD	SMB
9	1	DS15	FSV1045V	FSV1045V	DIODE SCHOTTKY 10A 45V FSV1045V TO277-3 SMT	-55°..+150°	SMD	TO277-3
10	1	F1	SF-0603F150-2	SF-0603F150-2	FAST BLOW FUSE 1.5A 32V 0603 SF-0603F150-2 BOURNS SMT	-40°..+105°	SMD	FS-0603
11	1	F2	0603SFV350F/32-2	0603SFV350F/32-2	FAST BLOW FUSE 3.5A 32V 0603 0603SFV350F/32-2 LITTELFUSE SMT	-55°..+125°	SMD	FS-0603
12	1	J19	MICROUSB-B	10118192-0001LF	CONNECTOR USB F/90° TIPO MICRO-B C.S. 10118192-0001LF FCI SMT	-30°..+85°	SMD	J-5-0065-FOS-MICROUSB10118192
13	1	J20	MDT420E01001		CONNECTOR M.2 75P M90° P=0 MDT420E01001 AMPHENOL SMT	-40°..+80°	SMD	J-75-0050-MOS-M2-E
14	1	J21	HEADER STRIP 9 PIN		HEADER STRIP 1P MID P=2.54 CH3140V100		THT	J-10-0254-MDT
15	1	J22	HEADER STRIP 9 PIN		HEADER STRIP 1P MID P=2.54 CH3140V100		THT	J-9-0254-MDT
16	1	L2	1285AS-H-2R2M=P2	1285AS-H-2R2M=P2	INDUCTOR 2.2uH 1.5A 20% 0806 1285AS-H-2R2M=P2 MURATA SMT	-40°..+85°	SMD	LS-0806
17	1	L4	XFL4020-222MEC	XFL4020-222MEC	INDUCTOR 2.2 uH 3.1A 20% XFL4020-222MEC COILCRAFT SMT	-40°..+125°	SMD	LS-XFL4020
18	1	OBJ1	9774025151R		ROUND STANDOFF STEEL 5.1X2.5 9774025151R W.E SMT		SMD	DIST-WASMSIM0250
19	1	Q2	AO3420		TRANSISTOR MOSFET N AO3420 SOT-23 ALPHA-OMEGA SMT	-55°..+150°	SMD	SOT23
20	2	RR1,RR2	100R/5%		RESISTOR NETWORK 8R sing. 100R 5% 1506 CAY16-101J8LF BOURNS SMT	-55°..+125°	SMD	RR-8X-1506
21	1	R6	82k		CHIP RESISTOR 82K 0402 1/16W 1%	-55°..+155°	SMD	RS-0402
22	1	R10	10M/5%		CHIP RESISTOR 10M 0402 1/8W 5%	-55°..+125°	SMD	RS-0402
23	1	R307	1M		CHIP RESISTOR 1M 1206 1/4W 1%		SMD	RS-1206
24	1	R317	0R/5%/AS		CHIP RESISTOR 0R 0805 1/8W 5% ANTI-SULFUR	-55°..+155°	SMD	RS-0805
25	2	R318,R322	0R		CHIP RESISTOR 0R 0402 1/16W 1%		SMD	RS-0402
26	1	R319	1k		CHIP RESISTOR 1K 0402 1/16W 1%	-55°..+155°	SMD	RS-0402
27	1	SW1	CJS-1200TA		SWITCH SLIDE SPDT ON-ON. CJS-1200TA NIDEC COPAL ELECTRONICS SMT	-40°..+85°	SMD	SW-CJS1200TA
28	1	TVS1	SM6T6V8A		DIODE TVS TRANSIL UNIDIR. 600W 6.8V SM6T6V8A SMB SMT		SMD	SMB
29	1	U3	MAX17225ELT	MAX17225ELT+T	IC MAX17225ELT+T MAXIM W-DFN6 SMT	-40°..+85°	SMD	WDFN6-0200X0200
30	1	U4	TPS62748YFPT	TPS62748YFPT	IC TPS62748YFPT TEXAS DSBGA8 SMT	-40°..+85°	SMD	XFBGA8

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MECHANICAL

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

1	1	C113	NU	F930J107KAA	CHIP CAP.TANT. 100uF 6.3V 10% CASE A F930J107KAA AVX	-55°..+125°	SMD	CS-T-A
2	1	C114	NU	F930J227KBA	CHIP CAP.TANT. 220uF 6.3V 10% CASE B F930J227KBA AVX	-55°..+125°	SMD	CS-T-B
3	4	DS4,DS5,DS6,DS10	NU	BAV99BRVA-7	DIODE ARRAY 0.2A 75V BAV99BRVA-7 SOT563 DIODES SMT	-65°..+150°	SMD	SOT563
4	4	FID1,FID2,FID3,FID4	TPS		FIDUCIAL		SMD	FIDUCIAL
5	2	R323,R324	NU		CHIP RESISTOR 0402		SMD	RS-0402