

PROJECT	2017-3047 (NOTECARRIER-M2-AA)
REVISION	14
SCHEMATIC	20173047_NOTECARRIER-M2-AA_V14
DATA	09/04/2020

Blues Inc

Item	Quantity	Reference	Part	MPN	Description	Temperature	Distributor	Type	Package	Database
1	1	ANT1	W3796	W3796	ANTENNA CHIP LTE D=40X73 W3796 PULSE SMT	-40°...+85°	FAE	SMD	ANT-W3796	43886
2	1	ANT2	W3010	W3010	ANTENNA CHIP 1.575GHZ D=3.2X10X2 W3010 PULSE SMT	-40°...+85°	FAE	SMD	ANT-W3010	43892
3	1	BAT1	2464	2464	PORTA BATTERIA 2464 KEYSTONE		FAE	THT	BATHLD-2464-NO_MECH	43254
4	1	C51	CS V14 4L 35um		C.S. NOTECARRIER-M2-AX V14 (75X65)mm 4L/50/SR ENIG TG150 sp=1.6mm Cu=35um (CONTROLLED IMPEDANCE)	TG150	WE			
5	1	C1	47u16V-XSR		CHIP CAP CER. 47uF 16V 20% XSR 1206		FAE	SMD	CS-C-1206	38401
6	1	C2	4.7u6.3V-XSR		CHIP CAP CER. 4.7uF 6.3V 20% XSR 0402		FAE	SMD	CS-C-0402	32468
7	2	C3,C4	10u10V-XSR		CHIP CAP CER. 10uF 10V 10% XSR 0603		FAE	SMD	CS-C-0603	28168
8	6	C5,C6,C9,C10,C16,C23	100n16V		CHIP CAP CER. 100nF 16V 10% XTR 0402		FAE	SMD	CS-C-0402	22452
9	2	C7,C8	10u6.3V-XSR		CHIP CAP CER. 10uF 6.3V 20% XSR 0402	-55°...+85°	FAE	SMD	CS-C-0402	39310
10	1	C11	10n14V		CHIP CAP CER. 10nF 1000V 10% XTR 1206		FAE	SMD	CS-C-1206	28470
11	3	C17,C18,C19	33p50V-COG		CHIP CAP CER. 33pF 50V 5% COG 0402		FAE	SMD	CS-C-0402	39594
12	1	C20	0.5p50V-COG		CHIP CAP CER. 0.5pF 50V ±0.25pF COG 0402	-55°...+125°	FAE	SMD	CS-C-0402	47779
13	1	C21	1n50V		CHIP CAP CER. 1nF 50V 10% XTR 0402		FAE	SMD	CS-C-0402	33357
14	1	C22	1u16V-XSR		CHIP CAP CER. 1uF 16V 10% XSR 0402		FAE	SMD	CS-C-0402	37485
15	1	C24	3.3p50V-COG		CHIP CAP CER. 3.3pF 50V 5% COG 0402	-55°...+125°	FAE	SMD	CS-C-0402	30030
16	2	DS2,DS3	FSV1045V	FSV1045V	DIOOD SCHOTTKY 10A 45V FSV1045V TO277-3 SMT	-55°...+150°	FAE	SMD	TO277-3	42269
17	1	DS4	STPS3H100U	STPS3H100U	DIOOD SCHOTTKY 3A 100V STPS3H100U SMB SMT		FAE	SMD	SMB	40665
18	1	F1	SF-0603F150-2	SF-0603F150-2	FUSIBILE RAPIDO 1.5A 32V 0603 SF-0603F150-2 BOURNS SMT	-40°...+105°	FAE	SMD	FS-0603	32505
19	1	F2	3.5A/32V	0603SFV350F/32-2	FUSIBILE RAPIDO 3.5A 32V 0603 SFV350F/32-2 LITTELFUSE SMT	-55°...+125°	FAE	SMD	FS-0603	40054
20	1	J2	10118192-0002LF	10118192-0002LF	CONN. USB F90° TIPO MICRO-B C.S. 10118192-0002LF FCI SMT	-30°...+80°	FAE	SMD	J4-0065-FOS-USB10118192-NOF	47781
21	1	J5	NanoSIM - SF725006VBAR2500	SF725006VBAR2500	CONN. NANOSIM BP F90° PUSH-PUSH SF725006VBAR2500 JAE ELECTRONICS SMT	-25°...+85°	FAE	SMD	J-NANOSIM-SF725006VBA	41049
22	1	J6	MDT420E1001		CONN. M.2 79P M90° P=0.5 MDT420E1001 AMPHENOL SMT	-40°...+80°	FAE	SMD	J75-0050-MOS-M2-E	44633
23	2	J7,J8	U.F.L.R.SMT-110	U.F.L.R.SMT-1(10)	CONN. RF M U.F.L.R.SMT-1(10) HRODSE SMT	-40°...+90°	FAE	SMD	J3-MDS-UFL	28096
24	1	J9	CES-122-01-T-S	CES-122-01-T-S	STRIP 22P FID P=2.54 H=5.08 CES-122-01-T-S SAMTEC	-55...+105	FAE	THT	J22-0254-FDT-H0508_EDGE	
25	1	J10	CES-103-01-T-S	CES-103-01-T-S	STRIP 3P FID P=2.54 H=5.08 CES-103-01-T-S SAMTEC	-55...+105	FAE	THT	J3-0254-FDT-H0508	
26	1	L1	XFL4020-222MEC	XFL4020-222MEC	INDUTTANZA 2.2uH 3.1A 20% XFL4020-222MEC COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-XFL4020	42400
27	1	L2	1285AS-H-2R2M+P2	1285AS-H-2R2M+P2	INDUTTANZA 2.2uH 1.5A 20% 0806 1285AS-H-2R2M+P2 MURATA SMT	-40°...+85°	FAE	SMD	LS-0806	42807
28	1	L3	0603CS-4N3XJLW	0603CS-4N3XJLW	INDUTTANZA 4.3nH 0.7A 5% 0603 0603CS-4N3XJLW COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-0603CS	47784
29	1	L4	0603CS-6N8XJLU	0603CS-6N8XJLU	INDUTTANZA 6.8nH 0.7A 5% 0603 0603CS-6N8XJLU COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-0603CS	43078
30	1	L5	LOW15ANTNSH00D	LOW15ANTNSH00D	INDUTTANZA 7.5nH 0.57A 3% A FL D 0402	-55°...+125°	FAE	SMD	LS-0402	43079
31	1	OBJ1	LQW125151R		LOW15ANTNSH00D MURATA SMT		FAE	SMD	DIST-WASMSIM0250	44635
32	1	Q1	AQ3420		TRANSISTOR MOSFET N AQ3420 SOT-23 ALPHA-OMEGA SMT	-55°...+150°	FAE	SMD	SOT23	41965
33	2	RR1,RR2	100R5%		RETE RESISTIVA BR sing. 100R 5% 1506 CA16-101JBLF BOURNS SMT	-55°...+125°	FAE	SMD	RR-BX-1506	40062
34	1	R1	10M/5%		CHIP RES. 10M 0402 1/8W 5%	-55°...+125°	FAE	SMD	RS-0402	37511
35	1	R4	82k		CHIP RES. 82K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	40683
36	1	R5	1M		CHIP RES. 1M 1206 1/4W 1%		FAE	SMD	RS-1206	28883
37	3	R12,R14,R15	22R		CHIP RES. 22R 0402 1/16W 1%		FAE	SMD	RS-0603	43399
38	1	R16	15k		CHIP RES. 15K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	40387
39	1	R18	200k		CHIP RES. 200K 0402 1/16W 1%		FAE	SMD	RS-0402	27068
40	1	R21	1k		CHIP RES. 1K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	25126
41	1	R22	100k		CHIP RES. 100K 0402 1/16W 1%		FAE	SMD	RS-0402	25127
42	1	SW1	CJS-1200T A		INTER. SLITTA ON-ON DA C.S. CJS-1200T A NIDEC COPAL ELECTRONICS SMT	-40°...+85°	FAE	SMD	SW-CJS1200TA	43927
43	1	TVS1	SM6TV8VA		DIOOD TVS TRANSIL UNIDIR. 600W 8.8V SM6TV8VA SMB SMT		FAE	SMD	SMB	14165
44	1	TVS2	ESDLC5V0M5-TP		DIOOD TVS TRANSIL UNIDIR. 20W 5V ESDLC5V0M5-TP SOT563 SMT	-65°...+150°	FAE	SMD	TO666	44643
45	1	U1	TPS6274BYFPT	TPS6274BYFPT	INTEGRATO TPS6274BYFPT TEXAS DS8GAB SMT	-40°...+85°	FAE	SMD	XPBGAB	42813
46	1	U2	MAX1722SELT	MAX1722SELT+T	INTEGRATO MAX1722SELT+T MAXIM W-DFNE SMT	-40°...+85°	FAE	SMD	WDFNE-0200X0200	42404
47	1	U5	BGA72SL6E6327FTA1	BGA72SL6E6327FTA1	INTEGRATO BGA72SL6E6327FTA1 INFINEON TSLP-6 SMT	-40°...+125°	FAE	SMD	XPDFN6	43081
61							3			

MECHANICAL

1	1	ASS1	KNOB M2 5x4-INOX		VITE TCEI 2.5X4 ESAGONO INCASSATO A2 INOX		FAE	THT		48266
2	2	ASS2 ASS3	uFL 50mm		CAVO COAX uFL uFL 415-0086-050 HRODSE CINCH CONNECTIVITY SOLUTIONS JOHNSON		FAE	THT		45152
3							0			

NOT MOUNTED

1	3	C12	NU		CHIP CAP CER. 10uF 25V XSR 10% 1206		FAE	SMD	CS-C-1206	21513
2	1	C13	NU		CHIP CAP CER. 1uF 16V 10% XSR 0402		FAE	SMD	CS-C-0402	37485
3	2	C14,C15	NU		CHIP CAP CER. 100nF 16V 10% XTR 0402		FAE	SMD	CS-C-0402	22452
4	1	DS5	NU	STPS3H100U	DIOOD SCHOTTKY 3A 100V STPS3H100U SMB SMT		FAE	SMD	SMB	40665
5	1	DS6	NU	FSV1045V	DIOOD SCHOTTKY 10A 45V FSV1045V TO277-3 SMT	-55°...+150°	FAE	SMD	TO277-3	42269
6	2	FID1,FID2	TPS		FIDUCIAL		FAE	SMD	FIDUCIAL	
7	1	J1	NU	114020163	CONN. GROVE AP M/D P=2 114020163 SEEDSTUDIO SMT		FAE	SMD	J-4-0200-MDS-GROVE	47910
8	2	J3,J4	NU	B2B-PH-SM4-T8T(LF)(SN)	CONN. PH 2P M/D P=2 B2B-PH-SM4-T8T(LF)(SN) IST SMT	-25°...+85°	FAE	SMD	J-2-0200-MDS-B2B-PH-SM4	36983
9	2	PAD1,PAD2	TPS		CASTELATED EDGE VIAS		FAE	THT	PAO-THT-CAS-0100	
10	1	Q2	NU		TRANSISTOR MOSFET P BSS84AKM.315 SOT883 SMT	-55°...+150°	FAE	SMD	UPDFN3	40358
11	3	R6,R8,R10	NU		CHIP RES. 10K 0402 1/16W 1%	-55°...+125°	FAE	SMD	RS-0402	25129
12	1	R9	NU		CHIP RES. 470R 0402 1/16W 1%		FAE	SMD	RS-0402	25128
13	2	R11,R13	NU		CHIP RES. 100R 0402 1/16W 1%		FAE	SMD	RS-0402	26315
14	2	R17,R24	NU		CHIP RES. 100K 0402 1/16W 1%		FAE	SMD	RS-0402	25127
15	1	R23	NU		CHIP RES. 15K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	40387
16	1	U3	NU	BQ24210DQCT	INTEGRATO BQ24210DQCT WSON10 TEXAS SMT	-40°...+85°	FAE	SMD	WSON10-EXP	
17	1	U4	NU	TXS0102DQER	INTEGRATO TXS0102DQER TEXAS XPDFN8 SMT	-40°C...85°C	FAE	SMD	XPDFN8	38192