

PROJECT	2017-3047 (NOTECARRIER-M2-AL)
REVISION	14
SCHEMATIC	20173047_NOTECARRIER-M2-AL_V14
DATA	09/04/2020

Blues Inc

Item	Quantity	Reference	Part	MPN	Description	Temperature	Distributor	Type	Package	Database
1		ANT1	W3796	W3796	ANTENNA CHIP LTE D=40X73 W3796 PULSE SMT	-40°...+85°	FAE	SMD	ANT-W3796	43880
2		ANT2	W3010	W3010	ANTENNA CHIP 1.575GHZ D=3.2X10X2 W3010 PULSE SMT	-40°...+85°	FAE	SMD	ANT-W3010	43082
3	1	CS1	CS V14 4L 35um		C.S. NOTECARRIER-M2-AX V14 (75X60mm 4L ISO/RS ENIG TG150 sp=1.6mm Cu=35um)(CONTROLLED IMPEDANCE)	TG150	WE			
4	1	C1	47u/16V-XSR		CHIP CAP.CER. 47uF 16V 20% XSR 1206		FAE	SMD	CS-C-1206	38401
5	1	C2	4.7u/6.3V-XSR		CHIP CAP.CER. 4.7uF 6.3V 20% XSR 0402		FAE	SMD	CS-C-0402	32468
6	2	C3,C4	10u/10V-XSR		CHIP CAP.CER. 10uF 10V 10% XSR 0603		FAE	SMD	CS-C-0603	28168
7	6	CS,C8,C9,C10,C16,C23	100n/16V		CHIP CAP.CER. 100nF 16V 10% XTR 0402		FAE	SMD	CS-C-0402	22452
8	2	C7,C8	10u/6.3V-XSR		CHIP CAP.CER. 10uF 6.3V 20% XSR 0402	-55°...+85°	FAE	SMD	CS-C-0402	38310
9	1	C11	10u/16V		CHIP CAP.CER. 10uF 1000V 10% XTR 1206		FAE	SMD	CS-C-1206	28470
10	1	C12	10u/25V-XSR		CHIP CAP.CER. 10uF 25V XSR 10% 1206		FAE	SMD	CS-C-1206	21513
11	2	C13,C22	1u/16V-XSR		CHIP CAP.CER. 1uF 16V 10% XSR 0402		FAE	SMD	CS-C-0402	37485
12	3	C17,C18,C19	33p/50V-COG		CHIP CAP.CER. 33pF 50V 5% COG 0402		FAE	SMD	CS-C-0402	38594
13	1	C20	0.5p/50V-COG		CHIP CAP.CER. 0.5pF 50V ±0.25pF COG 0402	-55°...+125°	FAE	SMD	CS-C-0402	47779
14	1	C21	1n/50V		CHIP CAP.CER. 1nF 50V 10% XTR 0402		FAE	SMD	CS-C-0402	33357
15	1	C24	3.3p/50V-COG		CHIP CAP.CER. 3.3pF 50V 5% COG 0402	-55°...+125°	FAE	SMD	CS-C-0402	30030
16	3	DS2,DS3,DS6	FSV1045V	FSV1045V	DIOOD SCHOTTKY 10A 45V FSV1045V TO277-3 SMT	-55°...+150°	FAE	SMD	TO277-3	42269
17	2	DS4,DS5	STPS3H100U	STPS3H100U	DIOOD SCHOTTKY 3A 100V STPS3H100U SMB SMT		FAE	SMD	SMB	40665
18	1	F1	SF-0603F150-2	SF-0603F150-2	FUSIBLE 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	FUSIBLE 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	2	J3,J4	B2B-PH-SMA-TBT(L,F)(S/N)	B2B-PH-SMA-TBT(L,F)(S/N)	CONN. FH 2P MD P=2 B2B-PH-SMA-TBT(L,F)(S/N) JST SMT	-25°...+85°	FAE	SMD	J2-0200-MDS-B2B-PH-SMA	36983
22	1	J5	NanoSIM - SF72S006VBAR2500	SF72S006VBAR2500	CONN. NANOSIM 8P F90° PUSH-PUSH SF72S006VBAR2500 JAE ELECTRONICS SMT	-25°...+85°	FAE	SMD	J-NANOSIM-SF72S006VBA	41049
23	1	J6	MDT420E01001		CONN. M 2 79P M90° P=0.5 MDT420E01001 AMPHENOL SMT	-40°...+80°	FAE	SMD	J-75-0050-MDS-M2-E	44633
24	2	J7,J8	uFL-R-SMT-1-10	U FL-R-SMT-(1-10)	CONN. RF M U FL-R-SMT-(1-10) HROSE SMT	-40°...+90°	FAE	SMD	J3-MDS-UFL	28096
25	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	D-SAM1087-22-ND	THT	J22-0254-FDT-H0508 EDGE	
26	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	D-SAM1087-03-ND	THT	J3-0254-FDT-H0508	
27	1	L1	XFL4020-222MEC	XFL4020-222MEC	INDUTTANZA 2.2 uH 3.1A 20% XFL4020-222MEC COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-XFL4020	42400
28	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
29	1	L3	0603CS-4N3XLW	0603CS-4N3XLW	INDUTTANZA 4.3nH 0.7A 5% 0603 0603CS-4N3XLW COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-0603CS	47784
30	1	L4	0603CS-6N8XLU	0603CS-6N8XLU	INDUTTANZA 6.8nH 0.7A 5% 0603 0603CS-6N8XLU COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-0603CS	43708
31	1	L5	LOW15AN7NSH000	LOW15AN7NSH000	INDUTTANZA 7.5nH 0.57A 3% A FLD 0402 LOW15AN7NSH000 MURATA SMT	-55°...+125°	FAE	SMD	LS-0402	43079
32	1	OBJ1	9774025151R		DISTANZ. CIL. METALLO 5.1X2.5 9774025151R W.E SMT		FAE	SMD	DIST-WASMSIM0250	44635
33	1	QJ1	AQ3420		TRANSISTOR MOSFET N AQ3420 SOT-23 ALPHA-OMEGA SMT	-55°...+150°	FAE	SMD	SOT23	41965
34	2	RR1,RR2	100R/5%		RETE RESISTIVA BR sing. 100R 5% 1506 CAY16-101JBLF BOURNS SMT	-55°...+125°	FAE	SMD	RR-8X-1506	40062
35	1	R1	10M/5%		CHIP RES. 10M 0402 1/8W 5%	-55°...+125°	FAE	SMD	RS-0402	37511
36	1	R4	82k		CHIP RES. 82K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	40683
37	1	R5	1M		CHIP RES. 1M 1206 1/4W 1%		FAE	SMD	RS-1206	28883
38	2	R8,R10	10k		CHIP RES. 10K 0402 1/16W 1%	-55°...+125°	FAE	SMD	RS-0402	25129
39	1	R9	470R		CHIP RES. 470R 0402 1/16W 1%		FAE	SMD	RS-0402	25128
40	3	R12,R14,R15	22R		CHIP RES. 22R 0603 1/16W 1%		FAE	SMD	RS-0603	20385
41	1	R16	15k		CHIP RES. 15K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	40387
42	1	R22	100k		CHIP RES. 100K 0402 1/16W 1%		FAE	SMD	RS-0402	25127
43	1	R18	200k		CHIP RES. 200K 0402 1/16W 1%		FAE	SMD	RS-0402	27068
44	1	R21	1k		CHIP RES. 1K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	25126
45	1	SW1	CJS-1200TA		INTERR. SLITTA ON-ON DA C.S. CJS-1200TA NIDEC COPAL ELECTRONICS SMT	-40°...+85°	FAE	SMD	SW-CJS/1200TA	43927
46	1	TVS1	SM6TEV8A		DIOOD TVS TRANSIL UNIDIR. 600W 6.8V SM6TEV8A SMB SMT		FAE	SMD	SMB	14165
47	1	TVS2	ESDLC5V0M5-TP		DIOOD TVS TRANSIL UNIDIR. 20W 5V ESDLC5V0M5-TP SOT563 SMT	-65°...+150°	FAE	SMD	SOT666	44643
48	1	U1	TPS62748YFPT	TPS62748YFPT	INTEGRATO TPS62748YFPT TEXAS DSBGAE SMT	-40°...+85°	FAE	SMD	XFBGA8	42813
49	1	U2	MAX1722SELT	MAX1722SELT+T	INTEGRATO MAX1722SELT+T MAXIM W-DFN6 SMT	-40°...+85°	FAE	SMD	WDFN6-0200X0200	42404
50	1	U3	BQ24210DOCT	BQ24210DOCT	INTEGRATO BQ24210DOCT WSON10 TEXAS SMT	-40°...+85°	FAE	SMD	WSON10-EXP	47785
51	1	U4	TXS0102DQER	TXS0102DQER	INTEGRATO TXS0102DQER TEXAS XFDFN8 SMT	-40°C...85°C	FAE	SMD	XFDFN8	38192
52	1	U5	BGA725L6E6327F7SA1	BGA725L6E6327F7SA1	INTEGRATO BGA725L6E6327F7SA1 INFINEON TSLP-6 SMT	-40°...+125°	FAE	SMD	XFDFN6	43081

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MECHANICAL

1	1	ASS1	KNOB M2.5x4-INOX	VITE TCEI 2.5X4 ESAGONO INCASSATO A2 INOX	FAE	THT		48286
2	2	ASS2,ASS3	uFL 50mm	CAVO COAX uFL-uFL 415-0086-050 HIROSE CINCH CONNECTIVITY SOLUTIONS.JOHNSON	FAE	THT		45152
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NOT MOUNTED

1	1	BAT1	NU	2464	PORTA BATTERIA 2464 KEYSTONE	FAE	THT	BATHLD-2464-NO_MECH	45254	
2	2	FID1,FID2	TPS		FIDUCIAL	FAE	SMD	FIDUCIAL		
3	2	PAD1,PAD2	TPS		CASTELLATED EDGE VIAS	FAE	THT	PAD-THT-CAS-0100		
4	1	R6	NU		CHIP RES. 10K 0402 1/16W 1%	-55°...+125°	FAE	SMD	RS-0402	25129
5	1	J1	NU	114020163	CONN. GROVE 4P M/D P=2 114020163 SEEDSTUDIO SMT		FAE	SMD	J-4-0200-MDS-GROVE	47910
6	1	U4	NU	TXS0102DQER	INTEGRATO TXS0102DQER TEXAS XFDFN8 SMT	FAE	SMD	XFDFN8	38192	
7	1	Q2	NU	B5S84AKM	TRANSISTOR MOSFET P B5S84AKM.315 SOT883 SMT	FAE	SMD	UFDFN3	40358	
8	2	C14,C15	NU		CHIP CAP.CER. 100nF 16V 10% XTR 0402	FAE	SMD	CS-C-0402	22452	
9	2	R11,R13	NU		CHIP RES. 100R 0402 1/16W 1%		SMD	RS-0402	26315	
10	2	R17,R24	NU		CHIP RES. 100K 0402 1/16W 1%	FAE	SMD	RS-0402	25127	
11	1	R23	NU		CHIP RES. 15K 0402 1/16W 1%	FAE	SMD	RS-0402	40387	