

CUSTOMER	BLUES
PROJECT	2017-3047 (NOTECARRIER-M2-A)
REVISION	10
SCHEMATIC	20173047_NOTECARRIER-M2-A_V10
DATA	03/06/2020
DRAFTED	G.Boschini
APPROVED	C.Raineri



Item	Quantity	Reference	Part	Description	Temperature	Distributor	Type	Package	Database
1	1	ANT1	W3796	ANTENNA CHIP LTE D=40X7X3 W3796 PULSE SMT	-40°...+85°	FAE	SMD	ANT-W3796	43080
2	1	ANT2	W3010	ANTENNA CHIP 1.575GHZ D=3.2X10X2 W3010 PULSE SMT	-40°...+85°	FAE	SMD	ANT-W3010	43082
3	1	CS1	CS V10 2L 35um	C.S. NOTECARRIER-M2-A V10 (75X65)mm 2L/SO/SR ENIG sp=1.6mm Cu=35um	C.Raineri	WE ONLINE			
4	5	C7,C10,C111,C120,C121	100n/16V	CHIP CAP.CER. 100nF 16V 10% X7R 0402		FAE	SMD	CS-C-0402	22452
5	2	C8,C9	10u/6.3V-X5R	CHIP CAP.CER. 10uF 6.3V 20% X5R 0402	-55°...+85°	FAE	SMD	CS-C-0402	39310
6	1	C112	10n/1kV	CHIP CAP.CER. 10nF 1000V 10% X7R 1206		FAE	SMD	CS-C-1206	28470
7	1	C113	0.7p/50V-C0G	CHIP CAP.CER. 0.7pF 50V ±0.1 C0G 0402 GJM1555C1HR70BB01D MURATA	-55°...+125°	FAE	SMD	CS-C-0402	43076
8	1	C114	1n/50V	CHIP CAP.CER. 1nF 50V 10% X7R 0402		FAE	SMD	CS-C-0402	33357
9	1	C115	1u/16V-X5R	CHIP CAP.CER. 1uF 16V 10% X5R 0402		FAE	SMD	CS-C-0402	37485
10	1	C116	47u/16V-X5R	CHIP CAP.CER. 47uF 16V 20% X5R 1206		FAE	SMD	CS-C-1206	38401
11	1	C117	4.7u/6.3V-X5R	CHIP CAP.CER. 4.7uF 6.3V 20% X5R 0402		FAE	SMD	CS-C-0402	32468
12	2	C118,C119	10u/10V-X5R	CHIP CAP.CER. 10uF 10V 10% X5R 0603		FAE	SMD	CS-C-0603	28168
13	1	DS14	STPS3H100U	Diodo SCHOTTKY 3A 45V STPS3H100U SMB SMT		FAE	SMD	SMB	40665
14	2	DS15,DS16	FSV1045V	Diodo SCHOTTKY 10A 45V FSV1045V TO277-3 SMT	-55°...+150°	FAE	SMD	TO277-3	42269
15	1	F1	SF-0603F150-2	FUSIBILE RAPIDO 1.5A 32V 0603 SF-0603F150-2 BOURNS SMT	-40°...+105°	FAE	SMD	FS-0603	32505
16	1	F2	3.5A/32V	FUSIBILE RAPIDO 3.5A 32V 0603 0603SFV350F/32-2 LITTELFUSE SMT	-55°...+125°	FAE	SMD	FS-0603	40054
17	2	J7,J10	uFL-R-SMT-1-10	CONN. RF M U.FL-R-SMT-1(10) HIROSE SMT	-40°...+90°	FAE	SMD	J-3-MDS-UFL	28096
18	1	J20	MDT420E01001	CONN. M.2 75P M/90° P=0.5 MDT420E01001 AMPHENOL SMT	-40°...+80°	FAE	SMD	J-75-0050-MOS-M2	44633
19	1	J21	MICROUSB-B	CONN. USB F/90° TIPO MICRO-B C.S. 10118192-0001LF FCI SMT	-30°...+85°	FAE	SMD	J-5-0065-FOS-MICROUSB10118192	40056
20	1	L1	0603CS-3N3XJLU	INDUTTANZA 3.3nH 0.7A 5% 0603 0603CS-3N3XJLU COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-0603CS	43077
21	1	L2	0603CS-6N8XJLU	INDUTTANZA 6.8nH 0.7A 5% 0603 0603CS-6N8XJLU COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-0603CS	43078
22	1	L3	LQW15AN7N5H00D	INDUTTANZA 7.5nH 0.57A 3% A FILO 0402 LQW15AN7N5H00D MURATA SMT	-55°...+125°	FAE	SMD	LS-0402	43079
23	1	L4	XFL4020-222MEC	INDUTTANZA 2.2 uH 3.1A 20% XFL4020-222MEC COILCRAFT SMT	-40°...+125°	FAE	SMD	LS-XFL4020	42400
24	1	L5	1285AS-H-2R2M=P2	INDUTTANZA 2.2uH 1.5A 20% 0806 1285AS-H-2R2M=P2 MURATA SMT	-40°...+85°	FAE	SMD	LS-0806	42807
25	1	OBJ1	9774025151R	DISTANZ. CIL. METALLO 5.1X2.5 9774025151R W.E SMT		FAE	SMD	DIST-WASMSIM0250	44635
26	1	Q1	AO3420	TRANSISTOR MOSFET N AO3420 SOT-23 ALPHA-OMEGA SMT	-55°...+150°	FAE	SMD	SOT23	41965
27	2	RR1,RR2	100R/5%	RETE RESISTIVA 8R sing. 100R 5% 1506 CAY16-101J8LF BOURNS SMT	-55°...+125°	FAE	SMD	RR-8X-1506	40062
28	1	R6	82k	CHIP RES. 82K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	40683
29	2	R10,R321	1k	CHIP RES. 1K 0402 1/16W 1%	-55°...+155°	FAE	SMD	RS-0402	25126
30	1	R307	1M	CHIP RES. 1M 1206 1/4W 1%		FAE	SMD	RS-1206	28883
31	3	R309,R310,R311	100k	CHIP RES. 100K 0402 1/16W 1%		FAE	SMD	RS-0402	25127
32	3	R317,R319,R324	0R	CHIP RES. 0R 0402 1/16W 1%		FAE	SMD	RS-0402	25681
33	1	SW1	CJS-1200TA	INTERR. SLITTA ON-ON DA C.S. CJS-1200TA NIDEC COPAL ELECTRONICS SMT	-40°...+85°	FAE	SMD	SW-CJS1200TA	43927
34	1	TVS1	SM6T6V8A	Diodo TVS TRANSIL UNIDIR. 600W 6.8V SM6T6V8A SMB SMT		FAE	SMD	SMB	14165
35	1	U1	BGA725L6E6327FTSA1	INTEGRATO BGA725L6E6327FTSA1 INFINEON TSLP-6 SMT	-40°...+125°	FAE	SMD	XFDN6	43081
36	1	U3	MAX17225ELT	INTEGRATO MAX17225ELT+T MAXIM W-DFN6 SMT	-40°...+85°	FAE	SMD	WDFN6-0200X0200	42404
37	1	U4	TPS62748YFPT	INTEGRATO TPS62748YFPT TEXAS DSBGA8 SMT	-40°...+85°	FAE	SMD	XFBGA8	42813

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MECHANICAL

1	1	ASS1	KNOB M2.5	VITE TCEI 2.5X5 ESAGONO INCASSATO A2 NERA		FAE	THT		45057
2	2	ASS2,ASS3	uFL 50mm	CAVO COAX uFI-uFI 415-0086-050 HIROSE CINCH CONNECTIVITY SOLUTIONS JOHNSON		FAE	THT		45152

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NOT MOUNTED

1	1	BAT1	NU	PORTA BATTERIA 2464 KEYSTONE		FAE	THT	BATHLD-2464-NO_MECH	45254
2	1	C122	NU	CHIP CAP.TANT. 100uF 6.3V 10% CASE A F930J107KAA AVX	-55°...+125°	D-478-8152-1-ND	SMD	CS-T-A	
3	1	C123	NU	CHIP CAP.TANT. 220uF 6.3V 10% CASE B F930J227KBA AVX	-55°...+125°	M-647-F930J227KBA	SMD	CS-T-B	
4	4	DS4,DS5,DS6,DS10	NU	Diodo ARRAY 0.2A 75V BAV99BRVA-7 SOT563 DIODES SMT	-65°...+150°	FAE	SMD	SOT563	40591
5	1	DS17	NU	Diodo 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	J22	NU	CONN. GROVE 4P M/90° P=2 1125R-SMT-4P SEEDSTUDIO SMT		FAE	SMD	J-4-0200-MOS-GROVE	45891
8	20	PAD1,PAD3,PAD5,PAD7,PAD9,PAD10,PAD11,PAD12,PAD13,PAD14,PAD17,PAD18,PAD19,PAD20,PAD21,PAD22,PAD24,PAD25,PAD26,PAD27	TPS	CASTELLATED EDGE VIAS		FAE	THT	PAD-THT-CAS-STRIP-0100	
9	7	R308,R312,R318,R320,R322,R323,R325	NU	CHIP RES. 0402			SMD	RS-0402	