- 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%.
- 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS.
- 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ.

# Thu Apr 17 17:11:44 2014

## N61 CARRIER BUILD

2	2	CONTENTS SOC:MAIN	N56_MLB	08/29/2013
3		SOC: MAIN	No. of Contract Contr	
4	4	SOC:VDDCA,VDD1/2,VDD,VDD CPU,VDD GPU	N56_MLB	08/29/2013
5		SOC:GND,VDDIO18,VDDIOD,VDD VAR SOC	N56_MLB	08/29/2013
6	6	SOC: NAND	N56_MLB	08/29/2013
7	7	\$ 400 ± 400 g to 4 promoted continues		10-24 (C20 (WX C20 C40 C4
в		SOC:CAM, LCD, LPDP, PCIE  IO:BUTTON FLEX CONN	N56_MLB	08/29/2013
9		AUDIO:L67 CODEC (1/2)	N61_MLB	08/26/2013
10		AUDIO: L67 CODEC (1/2)	N61_MLB	08/26/2013
11		CAMERA: FRONT FLEX CONN	N61_MLB	08/26/2013
12	12	POWER: ADI (1/2)	N61_MLB N56 MLB	08/29/2013
13	13	POWER: ADI (2/2)	2075712200147700	08/29/2013
14	14	POWER: TIGRISR, VIBE DRIVER	N56_MLB N61 MLB	08/29/2013
15		DISPLAY: CHESTNUT, BACKLIGHT DRIVER	N61 MLB	08/26/2013
16	16	AUDIO:SPKR AMP.STROBE	0.000 - 0.000 bis	AND
17		IO:TRISTAR2	N61_MLB	08/26/2013
18		IO: TRISTAR2	NG1_MLB	08/26/2013
19	19	SENSORS: COMPASS	NG1_MLB	08/26/2013
20	20	DISPLAY: FLEX CONN	N61_MLB N61_MLB	08/26/2013
21	21	SENSORS: MESA FLEX CONN	0.000.0-0-0.00	And the control of th
2-2	22	SENSORS: MESA FLEA CONN SENSORS: OSCAR, CARBON, PHOS, MAGNESIUM	N61_MLB	08/26/2013
23		A CONTROL OF THE CONT	00000000000000000000000000000000000000	
24	24	CAMERA: REAR FLEX CONN TOUCH: CUMULUS, MESON	N61_MLB N/A	08/26/2013 N/A
25		POWER: BATT CONN, TPS, PD FEATURES	VE2000	5-08-00-0
26	26	SYSTEM: VOLTAGE PROPERTIES	N61_MLB	08/26/2013
27	27	SYSTEM: VOLTAGE PROPERTIES SYSTEM: N61 SPECIFIC	N56_MLB	09/10/2013
28	28	BLANK	N56_MLB	09/10/2013
29	30	CELL: ALIASES	N56_MLB	09/10/2013
30	31	AP INTERFACE & DEBUG CONNECTORS	N61_RADIO_MLB	03/24/2014
31		BASEBAND PMU (1 OF 2)	2010 10 C - 20 10 20 20 20 C - 20 20 10 20	.033678359676363646
32	33	BASEBAND PMU (2 OF 2)	N61_RADIO_MLB N61_RADIO_MLB	03/24/2014
33	34	BASEBAND (1 OF 2)	N61_RADIO_MLB	03/24/2014
34	35	BASEBAND (1 OF 2)	N61_RADIO_NLB	03/24/2014
35	36	MOBILE DATA MODEM (2 OF 2)	N61_RADIO_NLB	03/24/2014
36	37	RF TRANSCEIVER (1 OF 3)	N61 RADIO MLB	03/24/2014
37	38	RF TRANSCEIVER (2 OF 3)	N61 RADIO MLB	03/24/2014
30	39	RF TRANSCEIVER (2 OF 3)	N61_RADIO_NLB	03/24/2014
3-9	40	QFE DCDC	N61_RADIO_MLB	03/24/2014
4-0	41	2G PA	N61 RADIO MLB	03/24/2014
41	42	VERY LOW BAND PAD	N61_RADIO_MLB	03/24/2014
4-2	43	LOW BAND PAD	N61 RADIO MLB	03/24/2014
43	44	MID BAND PAD	N61_RADIO_MLB	03/24/2014
44	45	HIGH BAND PAD	N61 RADIO MLB	03/24/2014
45	46	ANTENNA SWITCH	N61 RADIO MLB	03/24/2014
46	47	HIGH BAND SWITCH	N61 RADIO MLB	03/24/2014
47	48	RX DIVERSITY	N61_RADIO_MLB	03/24/2014
48	49	GPS	N61 RADIO MLB	03/24/2014
49	50	GPS	N61_RADIO_MLB	03/24/2014
50	51	ANTENNA FEEDS	N61 RADIO MLB	03/24/2014
51	52	WIFI/BT: MODULE AND FRONT END	N61 RADIO MLB	03/24/2014
52	53		N61_RADIO_MLB	03/24/2014
53		JUMPER	NG1_RADIO_MLB	03/24/2014
54	55	JUMPER	N61_RADIO_NLB	03/24/2014

#### NAND BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
33580998	1	NAND, 19NM, 16GK8, MLC, PPNL.5	U0604	CRITICAL	NAND_16G
33580993	1	NAND, 19NM, 32GK8, MLC, PPNL.5	U0604	CRITICAL	NAND_32G
33580994	1	NAND, 19NM, 64GX8, MLC, PPNL.5	U0604	CRITICAL	NAND_64G
335800010	1	NAND, 19NM, 128GX8, TLC, PPN1.5	U0604	CRITICAL	NAND_128G
13850867	1	CAP, X5R, 10UF, 20%, 6.3V, 0.65 MM, HRTZ, 0402	C0610, C0611, C0614, C0634	CRITICAL	NAND_16G
13850867	1	CAP, X5R, 10UF, 20%, 6.3V, 0.65MM, HRTZ, 0402	C0613, C0633, C0610, C0611, C0614, C0634	CRITICAL	NAND_32G & NAND_64G
138500003	1	CAP, K5R, 15UF, 20%, 6.3V, 0.65MM, HRTZ, 0402	C0613,C0623,C0610,C0611,C0614,C0624	CRITICAL	NAND_128G

#### ALTERNATE NAND BOM OPTIONS

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
33580992	33550998	ALTERNATE	U0604	TOSHIBA, NAND, 169B
33581038	33550998	ALTERNATE	U0604	HYNIX,NAND,16GB
33581040	335S0994	ALTERNATE	U0604	HYNIX,NAND,64GB
335800014	335S0994	ALTERNATE	U0604	TOSHIBA, NAND, 64GB
335500015	335800010	ALTERNATE	U0604	TOSHIBA, NAND128GB
335800009	33580994	ALTERNATE	U0604	SANDISK, NAND, 64GB, TLC

#### SHIELD BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITI CAL	BOM OPTION
604-00241	1	SUBASSY, SHIELD, UPPER FRONT, No.1	SH2501	CRITICAL	COMMON
604-00242	1	SUBASSY, SHIELD, LOWER FRONT, N&1	SH2502	CRITICAL	COMMON
604-00243	1	SUBASSY, SHIELD, LOWER BACK, No.1	SH2504	CRITICAL	COMMON
604-00244	1	SUBASSY, SA SHIELD, NG1	SH2506	CRITICAL	COMMON

### N61 BOM CALLOUTS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-9903	1	SCH, MLB, N61	SCH	CRITICAL	?
820-3486	1	PCBF, MLB, N61	PCB	CRITICAL	?
825-6838	1	EEEE FOR 639-4237 16GB	EEEE_G16T	CRITICAL	EEEE_16G
825-6838	1	EEEE FOR 639-5838 32GB	EEEE_G16R	CRITICAL	EEEE_32G
825-6838	1	EEEE FOR 639-5839 64GB	EEEE_G16Q	CRITICAL	EEEE_64G
825-6838	1	EEEE FOR 639-00025 128GB	EEEE_G16N	CRITICAL	EEEE_128G
825-6838	1	EEEE FOR 639-00208 16GB	EEEE_F98F	CRITICAL	EEEE_16G_TDDLTE
825-6838	1	EEEE FOR 639-00209 32GB	EEEE_FQKO	CRITICAL	EEEE_32G_TDDLTE
825-6838	1	EEEE FOR 639-00210 64GB	EEEE_FQJY	CRITICAL	EEEE_64G_TDDLTE
825-6838	1	EEEE FOR 639-00212 128GB	EEEE_FY9W	CRITICAL	EEEE_128G_TLC_TDDLTE

DESCRIPTION OF REVISION

#### ALTERNATE BOM OPTIONS

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
15281844	15251836	ALTERNATE	L1604	TY ALT INDUCTOR
15251842	15251849	ALTERNATE	L1519	TY ALT INDUCTOR
19780392	19750369	ALTERNATE	Y1200	ESPON ALT XTAL
19780399	19780369	ALTERNATE	Y1200	NDK ALT KTAL
33851285	338S1202	ALTERNATE	U1601	L21 SPKAMP
152S2034	15252033	ALTERNATE	11209,L1211, L12	1.2MM 1.0UH, CYNTEC
152S00004	15252049	ALTERNATE	11210,L1212, L12	1.2MM 0.47UH, CYNTEC
339800005	33950246	ALTERNATE	U0201	FIJI, BO, SAMSUNG
33980247	33980246	ALTERNATE	U0201	FIJI, BO, HYNIX
339800006	33980246	ALTERNATE	U0201	FIJI, B1, E
339800007	33950246	ALTERNATE	U0201	FIJI, B1, H
339800008	33980246	ALTERNATE	U0201	FIJI, B1, S
15580773	15580453	ALTERNATE		TY 1200HM FERRITE
11850764	11850717	ALTERNATE	R1309	3.92KOHM, 01005
34350688	34350638	ALTERNATE	U2401	CUMULUS C1, FAB4
138500005	138500003	ALTERNATE	C1290	15UF,0402,HRTZL CAP
155800011	155500008	ALTERNATE	L1135	CMC, 900HM, MURATA
37750168	37750140	ALTERNATE	DZ1113	SUPPR, TRANS, VARISTOR, AMOTEUR
15580885	15580610	ALTERNATE	FL1802,FL180	FEER BD, 1500004, 200008, 01005
13850648	13850652	ALTERNATE	C1018	CAP, 1.7UF, 201, 6.3V, 0102, N=0.6584
13850657	13850702	ALTERNATE	C1106	CAP, 4.3UF, 201, 4W, 0610
338500028	338500017	ALTERNATE	U2203	CARBON, BOSCH, BMI162BC
338500029	338500017	ALTERNATE	U2203	CARBON, ST, AP6DS2AA
335800013	33550894	ALTERNATE	U0301	ST 9K EEPROM

SCH 051-9903 820-3486 056-6825

BOM 639-4237 (16GB, BETTER) BOM 639-5838 (32GB, BEST)

BOM 639-5839 (64GB, ULTRA)

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BOM 639-00025 (128GB, SUPREME, TLC) BOM 639-00212 (128GB, SUPREME, TLC, DTD)

SCHEM, MLB, N61 051-9903 Apple Inc. TICE OF PROPRIETARY PROPERTY 1 OF 55 1 OF 54

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BOM 639-00208 (16GB, BETTER, DTD)

BOM 639-00209 (32GB, BEST, DTD)

BOM 639-00210 (64GB, ULTRA, DTD)







