

Bill of Materials			<Parameter Title not found>		
Source Data From:			MEGAphone.PrjPcb		
Project:			MEGAphone.PrjPcb		
Variant:			None		
Creation Date:		15/10/18		1:22:17 PM	
Print Date:		15-Oct-18		1:23:13 PM	
Footprint	Comment	LibRef	Designator	Description	Quantity
Smart Card Connector 10P2VF-D-141Y QFN14-3X4MM	Smart Card Connector 10P2VF-D-14X1Y TPS63020	Smart Card Connector 10P2VF-D-14X1Y TPS63020		High Efficiency Single Inductor Buck-Boost Converter with 4A Switch	1
			*1, *2, *3		3
			1, 2, 3, 4, 5, 6		6
Proximity Sensor	Proximity sensor	APDS 9130	APDS 1	Multicell Battery	1
			BT1		1
			BT2		1
BAT-2 LGA50-1.0-26X13.5MM	Battery MOUDLE-BLUETOOTH-AUDIO-RN52-I/RM(50P-26X13.5MM)	Battery MOUDLE-BLUETOOTH-AUDIO-RN52-I/RM(50P-26X13.5MM)		Bluetooth 3.0 class 2 surface mount audio module with PCB trace antenna	
CAPC0805(2012)100_N	10uF	CMP-1036-01531-1	C1, C3, C4, C7, C15	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	5
CAPC0805(2012)100_N	100nF	CMP-1036-01531-1	C2, C6, C10, C11	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	4
CAPC0805(2012)100_N	1F	CMP-1036-01531-1	C5, C34	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	2
CAPC0805(2012)100_N	1uF	CMP-1036-01531-1	C8, C9, C13, C14, C31, C32, C33	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	7
CAPC0805(2012)100_N	4.7nF	CMP-1036-01531-1	C12	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	1
CAPC0805(2012)100_N	0.1uF	CMP-1036-01531-1	C16	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	1
CAPC0805(2012)100_N	1nF	CMP-1036-01531-1	C17, C21, C22, C26, C27, C28, C29, C30	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	8
CAPC0805(2012)100_N	100uF	CMP-1036-01531-1	C18, C23	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	2
CAPC0805(2012)100_N	150pF	CMP-1036-01531-1	C19, C24	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	2
CAPC0805(2012)100_N	820pF	CMP-1036-01531-1	C20, C25	CAP 39pF 100V ±2% 0805 (2012 Metric) Thickness 1mm SMD	2
SMB	D Schottky	D Schottky	D1	Schottky Diode	1
SMC	Diode	Diode	D2	Default Diode	1
6-0805_N	3.6V	D Zener	D3	Zener Diode	1
SOD3716X135N	MBR0540	Diode	D8	Default Diode	1
SOD3716X135N	MM3Z24VT1G	Diode	D9	Default Diode	1
LEDs	20mA	LED2	D10, D11, D12, D13, D14, D15, D16, D17	Typical RED, GREEN, YELLOW, AMBER GaAs LED	8
Female Header 50 Pin	50 Pin Header	50 Pin Header	J1, J2		2
DB9 Connector	D Connector 9	D Connector 9	J3	Receptacle Assembly, 9 Position, Right Angle	1
15pinDSUB Connector	Connector 15	Connector 15	J5	Receptacle Assembly, 15-Pin, Sim Line Connector	1
CUI_SJ-43515TS-SMT	SJ-43515TS-SMT	SJ-43515TS-SMT	J6	SJ Series 3.5 mm 16 V 4 Conductor SMT Mid Mount Stereo Audio Jack	1
1046421610	104642-1610	104642-1610	J44, J45	Molex 104642 Series 8 Way Micro SIM, MicroSD Memory Card Connector with Solder Termination	2
MOLEX_47219-2001(Primary)	47219-2001	47219-2001	J50	Conn Micro SD Card SKT 8 POS 1.1mm Solder RA SMD 0.5A/Contact Embossed T/R	1
TE_2040343-2(Primary)	2040343-2	2040343-2	J51	Micro USB MID MOUNT TYPE ASSY W/WELDING	1
INDC2013X140N	Inductor Iron	Inductor Iron	L1	Magnetic-Core Inductor	1
0402-A	Inductor	Inductor	L2, L3, L4, L5, L6, L7, L8	Inductor	7
Buzzer	SPEAKER	SPEAKER-2	LS1, LS2		2
51281-0694	Buzzer	Buzzer	LS3	Magnetic Transducer Buzzer	1
TO-226-AA	Touch Screen	Header 3X2	P2	Header, 3-Pin, Dual row	1
RESC0805(2012)_M	NPN	NPN	Q1	NPN Bipolar Transistor	1
VR5	1K	CMP-1013-00623-1	R1, R19, R23, R27	10K 0.125W 1% 0805 (2012 Metric) SMD	4
RESC0805(2012)_M	RPot	RPot	R2	Potentiometer	1
RESC0805(2012)_M	22	CMP-1013-00623-1	R3	10K 0.125W 1% 0805 (2012 Metric) SMD	1
RESC0805(2012)_M	10K	CMP-1013-00623-1	R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R44, R45, R46, R56, R58, R64, R66, R75, R76	10K 0.125W 1% 0805 (2012 Metric) SMD	22
RESC0805(2012)_M	4K	CMP-1013-00623-1	R17, R21, R25	10K 0.125W 1% 0805 (2012 Metric) SMD	3
RESC0805(2012)_M	2K	CMP-1013-00623-1	R18, R22, R26, R54, R57, R62, R65	10K 0.125W 1% 0805 (2012 Metric) SMD	7
RESC0805(2012)_M	510	CMP-1013-00623-1	R20, R24, R28	10K 0.125W 1% 0805 (2012 Metric) SMD	3
RESC0805(2012)_M	0	CMP-1013-00623-1	R29, R30	10K 0.125W 1% 0805 (2012 Metric) SMD	2
RESC0805(2012)_M	100k	CMP-1013-00623-1	R31, R32, R33, R34, R38	10K 0.125W 1% 0805 (2012 Metric) SMD	5
RESC0805(2012)_M	100	CMP-1013-00623-1	R35	10K 0.125W 1% 0805 (2012 Metric) SMD	1
RESC0805(2012)_M	10	CMP-1013-00623-1	R36	10K 0.125W 1% 0805 (2012 Metric) SMD	1
RESC0805(2012)_M	490K	CMP-1013-00623-1	R37	10K 0.125W 1% 0805 (2012 Metric) SMD	1
RESC0805(2012)_M	12R	CMP-1013-00623-1	R47, R49, R50	10K 0.125W 1% 0805 (2012 Metric) SMD	3
RESC0805(2012)_M	6R	CMP-1013-00623-1	R48	10K 0.125W 1% 0805 (2012 Metric) SMD	1
RESC0805(2012)_M	26.1K	CMP-1013-00623-1	R51, R53, R59, R61	10K 0.125W 1% 0805 (2012 Metric) SMD	4
RESC0805(2012)_M	10.7K	CMP-1013-00623-1	R52, R60	10K 0.125W 1% 0805 (2012 Metric) SMD	2
RESC0805(2012)_M	1.3K	CMP-1013-00623-1	R55, R63	10K 0.125W 1% 0805 (2012 Metric) SMD	2
RESC0805(2012)_M	220R	CMP-1013-00623-1	R67, R68, R70, R71, R72	10K 0.125W 1% 0805 (2012 Metric) SMD	5
RESC0805(2012)_M	220	CMP-1013-00623-1	R69, R73, R74, R77, R78, R79, R80, R81, R82	10K 0.125W 1% 0805 (2012 Metric) SMD	9
DPAD	DPAD	SW DIP-4	S1	DIP Switch, 4 Position, SPST	1
Button	Button	SW DIP-2	S2, S3	DIP Switch, 2 Position, SPST	2
Black Button	Black Button (Pair)	SW DIP-2, SW DIP-4	S4, S18	DIP Switch, 2 Position, SPST, DIP Switch, 4 Position, SPST	2
Switch Slide	SW-SPDT	SW-SPDT	S12, S13, S14, S15, S16, S19	SPDT Subminiature Toggle Switch, Right Angle Mounting, Vertical Actuation	6
LGA-16_3x3x1mm	LIS3DH	LIS3DH	U1	Accelerometer	1
SOT95P275X110-5N	NCP1402	NCP1402	U2		1
SOIC127P600X175-8N	PCF8563T/F4,112	PCF8563T/F4,112	U3	PCF8563 Series 1.8 - 5.5 V 250 mA Real-time Clock/Calendar - SOIC-8	1
PW24	TCA9539	TCA9539	U4, U26, U33		3
SOP65P640X120-20N	SN74LVC245APWT	SN74LVC245APWT	U5	Octal Bus Transceiver With 3-State Outputs 20-TSSOP -40 to 125	1
J_SMD_4-1734839-0-40_0.5_25.43_5.1_2.05_4-1734839-0(Primary)	LCD Connector	LCD Connector	U6		1
QFN50P400X400X100-21N	SSM2518	SSM2518	U7		1
SON80P400X400X80-10N	Battery Charger	Battery Charger	U8	bq25071	1
MOLEX_67910001	4G_Modem	4G_Modem	U15		1
SON125P300X500X100-8N	MS560702BA03-50	MS560702BA03-50	U16	MS5607-02BA03 Series 3 V 1 to 120 kPa Absolute Barometric Pressure Sensor	1
SOIC127P790X200-8N	AMC1203PSA	AMC1203PSA	U17	Single Channel Single ADC Delta-Sigma 40ksps 16-bit Serial 8-Pin SOP Tube	1
SOIC127P1030X265-16N	S70FL01GS	NOR Flash	U18		1
SPW0690LM4H-1	SPW0690LM4H	MEMs	U19, U20, U29, U30		4
QFN-16_UD-L	MLX90393	Microphone	U21		1
MOLEX_67910001	4G_Modem2	4G_Modem	U22		1
MICROCHIP_RN2483-I/RM095	RN2483 LoRa Module	RN2483 LoRa Module	U23, U24		2
SOT95P280X145-5N	FAN5333BSX	FAN5333BSX	U25	FAN5333B Series 5.5 V 1.5 MHz High Efficiency High Current Serial LED Driver Imported	1
RM_10	AD8592ARMZ-REEL	AD8592ARMZ-REEL	U27, U28		2
SOT95P285X120-5N	LP5951MF-1.3/NOPB	LP5951MF-1.3/NOPB	U31	Micropower 150mA Low-Dropout _LDO_ CMOS Voltage Regulator 5-SOT-23 -40 to 125	1
SOIC127P600X175-14N	SN74HC74DT	SN74HC74DT	U32	Dual D-Type Positive-Edge-Triggered Flip-Flops With Clear and Preset 14-SOIC -40 to 85	1
HDR2X4R38	WIFI Module	Header 4X2 XTAL	WiFi	Header, 4-Pin, Dual row	1
	32.768kHz		Y1	Crystal Oscillator	1
Approved					199
Notes					