

BOM

Products:10.1"Quad Core Dual SIM 4G Calling Tablet

Model: G1058A

Part Name	Spec	Positions
Main PCB	U101 MAIN PCB V2.0 (238*135)/4*1.0 FR4	
Resistor	0.056Ω F (±1%) 0805 1/8W	R2104
Resistor	0.01Ω F (±1%) 1206 1/4W	R2137
Resistor	0Ω J (±5%) 0402 1/16W	R13,R1902,R29,R30,R3213,R34,R38,R442,R58,R925,RA22,RB17,R54
Resistor	0Ω J (±5%) 0603 1/10W	R1005
Resistor	0Ω J (±5%) 0201 1/20W	C3261,C3317,C5016,L3209,L3211,R21,R22,R24,R26,R28,R31,R3212,R33
Resistor	1Ω J (±5%) 0201 1/20W	R2005
Resistor	12Ω F (±1%) 0201 1/20W	R3320
Resistor	27Ω F (±1%) 0603 1/8W	R804
Resistor	33Ω J (±5%) 0402 1/16W	R901,R904
Resistor	36Ω F (±1%) 0201 1/20W	R1101
Resistor	62Ω F (±1%) 0201 1/20W	R3101
Resistor	100Ω J (±5%) 0402 1/16W	R3,R45
Resistor	105Ω F (±1%) 0201 1/20W	R3102,R3103
Resistor	240Ω F (±1%) 0201 1/20W	R4103,R4104
Resistor	442Ω F (±1%) 0201 1/20W	R3304,R3305
Resistor	470Ω F (±1%) 0402 1/16W	R27,R407,R408
Resistor	1K J (±5%) 0402 1/16W	R2,R484,R486,R490,R493,RA07,RB15
Resistor	1.5K F (±1%) 0402 1/16W	R485,R491,R492
Resistor	1.5K F (±1%) 0201 1/20W	R1227
Resistor	2K F (±1%) 0201 1/20W	R3105
Resistor	3.3K F (±1%) 0201 1/20W	R2006,R59
Resistor	4.7K F (±1%) 0402 1/16W	R16,R17,R425,R435
Resistor	5.1K F (±1%) 0201 1/20W	R1201
Resistor	8.06K F (±1%) 0201 1/20W	R1105,R1106
Resistor	10K F (±1%) 0201 1/20W	R3301
Resistor	16.9K F (±1%) 0402 1/16W	R2103
Resistor	20K J (±5%) 0402 1/16W	RA23
Resistor	24K F (±1%) 0201 1/20W	C3371
Resistor	30K J (±5%) 0402 1/16W	RA24
Resistor	39K F (±1%) 0402 1/16W	R2033
Resistor	47K J (±5%) 0402 1/16W	R52,R53,R60,R61,R1801,R19,R1901,R406,R456
Resistor	51K F (±1%) 0402 1/16W	R321
Resistor	100K J (±5%) 0402 1/16W	R1,R1802,R1933,R436,R811,RB10,RB16
Resistor	200K J (±5%) 0201 1/20W	R2003
Resistor	330K F (±1%) 0402 1/16W	R2032
Resistor	390K F (±1%) 0201 1/20W	R319,R46,R49
Resistor	470K J (±5%) 0402 1/16W	R454
Resistor	NTC F02_104J4A 100K 0.1mA 0402 风华高科	NTC6301,NTC6302
Magnet bead	1.8K 85mA 0402 1.5Ω	B1,B2,B3,B4,B5,B6
Magnet bead	220Ω 150mA 0402 0.55Ω	L1011,L1012

Magnet bead	600Ω 100mA 0402 0.9Ω	BEAD5001
Capacitor	0.5pF 0201 NPO C (±0.25pF)	C3216,C49
Capacitor	1pF 0201 COG C (±0.25pF) 50V	C3228,C3254,L3316,L3350,C3271
Capacitor	1.2pF 0201 COG C (±0.25pF)	R3231,R3233
Capacitor	1.5pF 0201 COG B (±0.1pF)	C3211
Capacitor	1.8pF 0201 COG C (±0.25pF)	L3337
Capacitor	2.4pF 0201 NPO C (±0.25pF)	C3323,C3325
Capacitor	2.7pF 0201 NPO C (±0.25pF)	C3276
Capacitor	3.3pF 0201 NPO C (±0.25pF) 50V	C3226,C3341,C3344,C3441,C3442,C3448,C3449,R3226,C3262
Capacitor	3.9pF 0201 NPO C (±0.25pF)	C3348,C3351,C36
Capacitor	5.6pF 0201 NPO C (±0.25pF)	C3412,C3416,C3423,C3425
Capacitor	6.8pF 0201 NPO D (±0.5pF)	C3413,C3417,C37,C39
Capacitor	8.2pF 0201 NPO C (±0.25pF)	C3256
Capacitor	10pF 0201 NPO J (±5%) 50V	C17,C2,C30,C3307,C3311,C3373,C3409,C3435
Capacitor	12pF 0201 NPO J (±5%) 50V	C3286,C3443
Capacitor	15pF 0201 NPO J (±5%) 50V	C2413,L3224
Capacitor	18pF 0201 NPO J (±5%) 50V	C3313,C3414,C3437,C3438,C3439,C3447,C40,C5004,L3213
Capacitor	22pF 0201 NPO J (±5%) 25V	C2033,C2034
Capacitor	27pF 0201 NPO J (±5%) 50V	C3302,C3331,L3207,L3309
Capacitor	33pF 0402 NPO J (±5%) 50V	C1690,C1691,C24,C420,C422,C468,C469,C509,C510
Capacitor	33pF 0201 NPO J (±5%) 50V	C15,C253,C254,C3206,C3217,C3225,C3312,C3318,C3346,C3361,C337
Capacitor	47pF 0201 NPO J (±5%) 25V	C3349,C3352
Capacitor	100pF 0402 NPO J (±5%) 50V	C1692,C22,C255,C32,C449,C467,C508
Capacitor	100pF 0201 NPO J (±5%) 50V	C1105,C1106,C3290,C5005,C5007,C5014
Capacitor	1000pF 0402 X7R K (±10%) 50V	C8
Capacitor	1nF 0201 X7R K (±10%) 25V	C3249,C3372
Capacitor	4.7nF 0201 X5R K (±10%) 16V	C5009
Capacitor	10nF 0201 X7R K (±10%) 10V	C3340,C5008
Capacitor	0.022uF 0402 X7R K (±10%)	C20,C29,C434,C457
Capacitor	100nF 0201 X5R K (±10%) 10V	C10005,C10010,C10072,C10073,C10076,C10077,C10082,C10083,C10084,C10085,C10086,C10088,C10089,C10090,C3233,C3242,C3245,C3289,C4102,C4105,C4106,C4107,C4108,C4109,C4116,C5002
Capacitor	220nF 0201 X5R M (±20%) 6.3V	C10093,C10094,C4112
Capacitor	470nF 0201 X5R M (±20%) 6.3V	C3241
Capacitor	0.01uF 0402 X7R K (±10%) 50V	C18
Capacitor	0.1uF 0402 Y5V Z (-20%~+80%) 16V	C1,C1801,C2301,C28,C4,C4114,C465,C466,C473,C474,C48,CB01,CB07,CB11,CB16
Capacitor	0.1uF 0603 Y5V Z (-20%~+80%) 50V	CB13,CB15
Capacitor	1uF 0402 X5R K (±10%) 10V	C1103,C14,C2101,C331,C41,C4101,C6,C7,C9

Capacitor	1uF 0603 Y5V Z (-20%~+80%)	CB08, CB09, CB12, CB14
Capacitor	1uF 0201 X5R M (±20%) 6.3V	C10, C10018, C10025, C10027, C10035, C10037, C10039, C10052, C10053, C10059, C10060, C10062, C10064, C10068, C10069, C10070, C10071, C10078, C10091, C10095, C1109, C1731, C2022, C2023, C2036, C2041, C2042, C2043, C2044, C2046, C2047, C2051, C2056, C2057, C23, C3205, C3243, C3244, C3376, C4110, C4115, C5001, C5012, C5013, C5015, C60
Capacitor	2.2uF 0402 X5R M (±20%) 6.3V	C10075, C10087, C19, C2012, C2014, C2016, C2017, C2018, C2019, C2020, C2027, C2038, C2055, C2058, C21, C4103, C4104, C414, C426
Capacitor	2.2uF 0805 Y5V Z (-20%~+80%) 50V	C25, C5
Capacitor	2.2uF 0201 X5R M (±20%) 6.3V	C3107
Capacitor	4.7uF 0402 X5R M (±20%) 6.3V	C10004, C10016, C10017, C10046, C10047, C10079, C10080, C2011, C2013, C2015, C2402, C338, C4111, C4113, C5006, C42
Capacitor	4.7uF 0603 X5R M (±20%) 6.3V	C11, C12, C13, C16, C2111, C213, C27, C3, C31, C415, C447, C464, C475, C901, CC07
Capacitor	10uF 0603 X5R M (±20%) 6.3V	C2039, C325, CC01
Capacitor	10uF 0805 Y5V Z (-20%~+80%) 16V	CB06, CB17
Capacitor	22uF 0603 X5R M (±20%) 6.3V	C10008, C10009, C10012, C10040, C10065, C10066, C2007, C2008, C2040, C3374
Capacitor	47uF 0805 X5R M (±20%) 6.3V	C10006, C10036, C10038
Inductor	0.6nH 600mA S (±0.3nH) 0201	C3315, C3321
Inductor	1.0nH 300mA S (±0.3nH) 0201	C3285, C3288, L3210, L3418
Inductor	1.2nH 360mA S (±0.3nH) 0201	C3415, C38
Inductor	1.5nH 300mA S (±0.3nH) 0201	C3316, C3354, C3402, C3404, C50
Inductor	1.8nH 300mA S (±0.3nH) 0201	C3419, C3420, C3440, C3446
Inductor	2.0nH 300mA S (±0.3nH) 0201	C3303
Inductor	2.4nH 300mA ±0.3nH 0201	L3311, C3207, L3303
Inductor	3.0nH 300mA S (±0.3nH) 0201	C26, L3206, L3308, L3336, L3341, L3351, L3410, L3419
Inductor	3.4nH 300mA S (±0.3nH) 0201	R3230
Inductor	3.6nH 300mA S (±0.3nH) 0201	L11, L3413
Inductor	3.9nH 360mA S (±0.3nH) 0201	C3273, L3347, L3408, R3309
Inductor	4.7nH 300mA S (±0.3nH) 0201	L3214, L3215, L3221, L3310, L3406
Inductor	5.1nH 300mA S (±0.3nH) 0201	C3264
Inductor	5.6nH 300mA J (±5%) 0402	L5003
Inductor	5.6nH 300mA J (±5%) 0201	L3314, L8
Inductor	6.2nH 300mA J (±5%) 0201	C3328, C3336
Inductor	6.8nH 300mA J (±5%) 0201	C3259, L3304, L3416
Inductor	8.2nH 300mA J (±5%) 0201	L3331, L3339
Inductor	9.1nH 300mA J (±5%) 0201	R3214

Inductor	10nH 300mA J (±5%) 0201	C3268,C51,L3218,L3332,L3404
Inductor	12nH 300mA J (±5%) 0201	L3407
Inductor	22nH 300mA J (±5%) 0201	L3365,L3435,L3436
Inductor	47nH 200mA J (±5%) 0201	L3353,L3458,L6
Inductor	82nH 150mA J (±5%) 0402	L5002
Inductor	82nH 300mA J (±5%) 0603	L402
Inductor	0.33uH 3.5A M (±20%) 252010	L2001
Inductor	0.47uH 4.5A M (±20%) 0.028Ω 2.0*1.6*1.0mm	L2003,L2006,L2008
Inductor	2.2uH 1.85A M (±20%) 0.165Ω 252012	L2009
Inductor	2.2uH 1.7A N (±30%) 0.2Ω	L3
Inductor	10uH 1.3A M (±20%) 0.18Ω	LB02
Inductor	10uH 0.65A M (±20%) 0.91Ω 252010	L307
ESD preventor	AU0561P1 5V 11V 1.5pF DFN1006-2	T1,T1104,T1105,T1106,T2,T4,T60 1,T602,TVS1,TVS10,TVS11,TVS13, TVS14,TVS15,TVS16,TVS17,TVS2,T VS3,TVS4,TVS5,TVS6,TVS7,TVS8,T VS9,VRE01
Diode	BAT54S 200mA 30V SOT-23	DB03,DB04
Diode	1N5819 1A 40V SOD-123	D302,D4,DB02
Triode	PNP PT236T30E2 N/A hfe=100 SOT23-6 PRISEMI)	U2101,U2103,U2104
MOS	MOSFET(N type) PNM723T703E0-2 无(Marking) 0.18A 40V SOT-723	Q2101
MOS	P-channel CJ2303 (S3) -1.9A 30V SOT-23	Q1,Q401,QB01
Crystal	32.768KHz ±20PPM 12.5pf 3215	X2001
Crystal	26MHZ ±2.0ppm 10pF 2.5*2.0mm Kyocera	U3102
RF Connector	RF test connector L2.5*W2.5*H1.5 ECT	CON3301,CON2
RF Connector	L1.7*W1.7*H0.82 ECT	CON3303
TP (ZIF)	39pin 0.3pitch H1.0 FPC0.2 Front-flip	CAM1
Socket	30Pin 0.5mm 180° FPC/H=1.5mm	LCM1
Socket	50Pin 0.5mm 180° FPC/H=1.5mm	J1
Side-key connector	6pin 0.5pitch H1.0 FPC0.3 Back-flip	CON4
SIM card	SIM Card 6pin H1.8 1.8mm	SIM1,SIM2
USB port	Micro USB 5pin L8.0*W5.65*H3.0 4DIP	USB
Flash	Tflash 9pin H2.0 Push-Push	J703
PMU IC	MT6328V/A VFBGA 6.6*66*1.0mm MTK	U2001
ConnectivityChip IC	BT+FM+GPS+WiFi MT6625L QFN40 5*5*0.85mm MTK	U5001
RF IC	RF Transceiver Transceiver,2G/3G LTE-FDD/TDD TFBGA 6.2*5.4*0.9mm MT6169V MTK	U3101

TPController IC	Capacitive Touchscreen Controller GSL3676 QFN56-7*7 Silead (思立微)	U200
sonic AMP IC	AW8736 2.25W/4Ω Class-K BGA_2*2*0.75	U2,U7
LEDDriver IC	SGM3732 1.35A SOT23-6	U4
Sensor IC	G sensor,3-axis, 2G/4G/8G/16G,I2C BMA223 LGA- 12,2*2*1.1mm	U1
RF TX-RX FEM	RF TX-RX FEM HRTXAH005 SP16T Qual Band Edge 5.5*5.3*1.0mm	U3307
Antenna Switch	Antenna Switch TP2012- A1255DAT/LF 2*1.2*0.4 ACX	F5001
GPS LNA IC	GPS LNA AR8159 1559~1610MHz 18.5dB uDFN-6,1.5*1.0*0.75mm	U5004
RF Switch IC(SP2T)	RF Switch(SP2T) CUC1152 0.1GHz-6GHz 1.1*1.1*0.55mm	U3302
RF Switch IC(SP3T)	RF Switch(SP3T) MXD8636 0.1GHz-3GHz	U3421
Antenna Switch	Antenna Switch MXD8680	U3401
LDO IC	ME6211C18M5G 500mA 1.8V	U5
DC-DC HR2106	HR2106 1A 2.7-5.5V 1MHz Vr=0.6V SOT23-6 HR	U307
DC-DC SY7208CABC	SY7208CABC 0.6A 25V 1MHz Vr=0.6V SOT23-6 Silergy	UB02
SAW Filter	GPS SAW SAFEB1G57KE0F00 GPS 1.35*1.05*0.6mm Murata	U5003
SAW Filter	SAW RSFP2402D WIFI 1.4*1.1*0.6mm,5Pin ROFS	U5005
B2B3	BL0605-10L1900NAT/LF ACX	U3324
Spring	H=2.6mm, H=0.8mm	ANT1,ANT2,ANT3,ANT5001,ANT5003
LDO IC	ME6211C33M5G 500mA 3.3V SOT23-5 Microne	U12
Resistor	47K J (±5%) 0201 1/20W	R1109,R14,RB08,RB09
Resistor	4.7K J (±5%) 0201 1/20W	R1202,R1203,R1204,R1205,R1206, R1207
Resistor	1K J (±5%) 0201 1/20W	R2026,R3107,R3108
Resistor	27Ω F (±1%) 0402 1/16W	R2159
Resistor	3K F (±1%) 0201 1/20W	RB13
Resistor	24.9K F (±1%) 0201 1/20W	RB11
Ceramic Inductor	4.3nH 300mA S (±0.3nH) 0201	L5006,L5007
SAW Filter	Duplexer SAYRF1G73CE0F0A Band4 2016 Murata	U3308
Capacitor	1pF 0201 COG C (±0.25pF) 50V	C3252
Ceramic Inductor	2.4nH 300mA ±0.3nH 0201	L3315
Main IC	MT8735V/WM VFBGA641 MID MTK	U1001
LPDDR3	A类K4E8E304ED-EGCE 1GB(256*32) 1600MHz FBGA178	U4102
EMMC	EMMC16G-T527 16GB 3.3V 52MHz 153-FBGA	U502
Resistor	1.1Ω F (±1%) 0603 1/10W	R41
Phone Jack	3.5mm H3.6 incline Sub2.8 6-	J1601

Triode	NPN MMBT3904 (1AM/H1A) hFE=100-300 SOT23 HT(天旺)	Q402,QB02,QB903
Resistor	0Ω J (±5%) 0805 1/8W	R62
RF PA HRSMAC003	RF PA HRSMAC003 Band 1/2/3/4/5/7/8/12/13/14/17/20 6.8*4.0*1.0	U3203
SAW Filter	SAW filter SAFFB1G96FN0F0AR15 Band2 1109	U3407
SAW Filter	SAW SAFFB2G14FA0F0A LTE Band1 1.1*0.9*0.5mm,5Pin Murata	U3410
Resistor	0Ω J (±5%) 0201 1/20W	R1410
SAW Filter	SAW filter SFH881PA002 GSM850MHz (150ohm) 1109 Wisol	U6
SAW Filter	SAW filter SAFFB740MFA0F0A Band17 1109	U3405
saW Filter	LPF LF0605-NR87NAA 824~925MHz 0.65*0.5*0.4mm	U1401
SAW Filter	SAW filter SFH942PA002 942.5MHz(925-960) (150ohm) 1.1*0.9mm Wisol	U3317
SAW Filter	Duplexer SAYRF1G95HN0F0A	U3306
SAW Filter	Duplexer SAYRF1G88BC0B0A	U3312
SAW Filter	Duplexer SAYFH1G74CA0B0A	U3309
SAW Filter	Duplexer SAYFH836MCC0F0A	U3314
SAW Filter	Duplexer SAYFH710MBA0F0A	U3
SAW Filter	LPF LF0605-NR87NAA 824~925MHz 0.65*0.5*0.4mm	U1301
Socket	5Pin 1.25mm 180°Wafer	J601
Resistor	0Ω J (±5%) 0201 1/20W	R32