

10. Part List

Part Number	Parts	Description	Reference No.	QTY	Remarks
Packing Ass'y					
	Name Label	Name Label for TC-100G		1	
	Out Box	Out Box for TC-100G		0.02	
	Gift Box	Gift Box for TC-100G		1	
	GPS ANT	GPS ANT(HAG-S25-3v)		1	
	ALAM CABLE	HI-wire cable Assy		1	
	POWER CABLE	Molex 2P 43650-0200		1	
TC100G Main Board Manual Ass'y					
	Upper Case	TC-100G Upper case : PC		1	
	Bottom Case	TC-100G Bottom case : PC		1	
	SCREW			4	
	POWER JACK	Molex 2P 43650-0200	J502	1	Molex
	GPS CABLE	6P CABLE ASS'Y 40 M/M	J505	1	
	HI WIRE CONNECTOR	MOLEX 22-05-7045	J504	1	Molex
	IO CONNECTOR	MOLEX 22-05-7055	J508	1	Molex
	ANTENNA	INTERNAL ANTENNA	ANT	1	KayCera
	GPS Module	A-470		1	JCOM
	FPCB	FPCB RFCONNECTION	FPC501	1	
	CAP	Plastic plug for port expansion bay		1	
	CAP	ANT SW Cable CAP		1	
	GPRS Module	N701-AT		1	AISA Tech
N701-AT GSM MODULE Manual Ass'y					
	Shield can	Shield can Lid		1	-----
N701-AT GSM MODULE SMT Ass'y					
00100000	RESISTOR CHIP	0 OHM 0402 1/16W 5%	R402, R404	0	ABco ELECT.
00104R70	RESISTOR CHIP	4.7 OHM 0402 1/16W 5%	R208	1	ABco ELECT.
00110R00	RESISTOR CHIP	10 OHM 0402 1/16W 5%	R100	1	ABco ELECT.
00110000	RESISTOR CHIP	100 OHM 0402 1/16W 5%	R227	1	ABco ELECT.
00110010	RESISTOR CHIP	1K OHM 0402 1/16W 5%	R279, R400	2	ABco ELECT.

00112010	RESISTOR CHIP	1.2K OHM 0402 1/16W 5%	R139	1	ABco ELECT.
00115010	RESISTOR CHIP	1.5K OHM 0402 1/16W 5%	R107	1	ABco ELECT.
00118010	RESISTOR CHIP	1.8K OHM 0402 1/16W 5%	R124	1	ABco ELECT.
00122010	RESISTOR CHIP	2.2K OHM 0402 1/16W 5%	R140	1	ABco ELECT.
00147010	RESISTOR CHIP	4.7K OHM 0402 1/16W 5%	R108	1	ABco ELECT.
00110020	RESISTOR CHIP	10K OHM 0402 1/16W 5%	R101, R102, R103, R104, R127, R280, R284(NF)	6	ABco ELECT.
00122020	RESISTOR CHIP	22K OHM 0402 1/16W 5%	R231, R247	2	ABco ELECT.
00147020	RESISTOR CHIP	47K OHM 0402 1/16W 5%	R106, R300, R299(NF)	2	ABco ELECT.
00110030	RESISTOR CHIP	100K OHM 0402 1/16W 5%	R118, R130, R233, R295, R234(NF)	4	ABco ELECT.
00122030	RESISTOR CHIP	220K OHM 0402 1/16W 5%	R202	1	ABco ELECT.
00139030	RESISTOR CHIP	390K OHM 0402 1/16W 5%	R120	1	ABco ELECT.
00156030	RESISTOR CHIP	560K OHM 0402 1/16W 5%	R301	1	ABco ELECT.
NA	RESISTOR CHIP	220 OHM 0402 1/16W 1%	R401	1	ABco ELECT.
Part Number	Parts	Description	Reference No.	QTY	Remarks
NA	RESISTOR CHIP	22K OHM 0402 1/16W 1%	R287	1	ABco ELECT.
NA	RESISTOR CHIP	82K OHM 0402 1/16W 1%	R226	1	ABco ELECT.
NA	RESISTOR CHIP	0.1 Ohm LCR1/10 0R1G 0805 2%	R220	1	HOKURIKU
NA	NTC Thermistor	NCP15XW332J03RC, 3.3K OHM, 0402, 5%	R405	1	Murata
NA	CAPACITOR CHIP	0402, not mount	C417, C420	0	Murata
NA	CAPACITOR CHIP	1.8PF 0402 COG 5%(+/-0.25PF)	C418, C421	2	Murata
NA	CAPACITOR CHIP	2.2PF 0402 COG 5%(+/-0.25PF)	C411, C413.C424,C425	4	Murata
NA	CAPACITOR CHIP	15PF 0402 COG 5%	C416	1	Murata
NA	CAPACITOR CHIP	18PF 0402 COG 5%	C203, C244	2	Murata
NA	CAPACITOR CHIP	27PF 0402 COG 5%	C130, C400, C408, C410, C419	5	Murata
NA	CAPACITOR CHIP	47PF 0402 COG 5%	C104, C191, C196 *C101(NF), *C101(NF), *C102(NF)	3	Murata
NA	CAPACITOR CHIP	100PF 0402 COG 5%	C213, C412	2	Murata
NA	CAPACITOR CHIP	1NF 0402 X7R 10%	C103	1	Murata
NA	CAPACITOR CHIP	4.7NF 0402 X7R 10%	C402, C405, C406, C407	4	Murata

NA	CAPACITOR CHIP	47NF 0402 X7R 10%	C231	1	Murata
NA	CAPACITOR CHIP	68NF 0402 X7R 10%	C218	1	Murata
NA	CAPACITOR CHIP	100nF 0402 X7R 10%	C197, C201, C205, C210, C212, C214, C217, C220, C222, C232, C233, C236, C239, C245, C247, C401, C403, C404, C415 *C243(NF)	19	Murata
NA	CAPACITOR CHIP	220nF 0402 X5R 10%(CM05X5R224K06A)	C230	1	AVX / Murata
NA	CAPACITOR CHIP	1uF 0402 X5R 10%	C221, C242, C246	3	Murata
NA	CAPACITOR CHIP	2.2uF 0603 X5R 10%(CM105X5R225K06AT)	C206, C207, C216, C219, C224, C226, C228, C234, C240	9	AVX / TAIYOYUDEN
NA	CAPACITOR CHIP	10uF 0603 X5R 20%(GRM188R60G106M)	C192, C194	2	Murata / TAIYOYUDEN
NA	CAPACITOR CHIP	22uF 0805 X5R 20%(GRM21BR60J226M)	C225, C238	2	Murata / TAIYOYUDEN
NA	CAPACITOR ARRAY	100nFx4 GNM214R71C104MA01B	C195	1	Murata
NA	CAPACITOR TANTAL	100uF 6.3Volts TAN-B(F930J107MBA)	C209	1	Nichicon
NA	CAPACITOR TANTAL	150uF 6.3Volts TAN-B(F930J157MBA)	C200	1	Nichicon
NA	INDUCTOR CHIP	2.2nH 0402	L408(R402)	1	Murata / TAIYOYUDEN
NA	INDUCTOR CHIP	3.9nH 0402	L409(R403)	1	Murata / TAIYOYUDEN
NA	INDUCTOR CHIP	5.1nH 0402 +- 0.2nH(LQW15AN5N1C00)	L404	1	Murata
NA	INDUCTOR CHIP	12nH 0402	L406(C422),L407(C423)	2	Murata / TAIYOYUDEN
NA	INDUCTOR CHIP	15nH 0402	L403	1	Murata / TAIYOYUDEN
NA	INDUCTOR CHIP	18nH 0402 3%(LQW15AN18NH00)	L401, L402	2	Murata / TAIYOYUDEN
NA	INDUCTOR CHIP	33nH 0402 2%(LQP15M33NG02)	L400	1	Murata / TAIYOYUDEN

NA	INDUCTOR CHIP	47nH 0402 5%(LQG15HN47NJ02)	L103	1	Murata / TAIYOUDEN
Part Number	Parts	Description	Reference No.	QTY	Remarks
NA	INDUCTOR CHIP WIRE	10uH 1210L 10%(LQH32CN100K53)	L200	1	Murata
NA	INDUCTOR BEAD	220 OHM 0805 2A(BLM21P221SGPTM00-03)	L201	1	Murata
NA	XTAL	CC4V-T1A 32.768kHz 9.0pF +/- 30ppm	XTAL200	1	Micro Crystal
NA	XTAL	Xtal-26MHz-TSX3225 +/-10ppm	U401	1	Toyocom
NA	DIODE	BAT60B SOT323(Q62702-A1189)	*D200(NF)	0	Infineon
NA	DIODE TVS	TVS 0402(BGF103)	D100, D101, D300, D301, D302, D303, D304, D305, D306, D307, D308, D309, D310, D311, D312, D313, D314, D315, D316, D317, D318, D319, D320, D321, D322, D323, D324, D325	0	Infineon
NA	FET	BSL211SP P-CH TSOP6(Q67042- S4063)	*T200(NF)	0	Infineon
NA	FET	SI5853DC P-CH	T200	1	VISHAY
NA	FET	SI1013X	T100	1	VISHAY
NA	TRANSISTOR	KRX204U	T300	1	KEC
NA	IC Flash	64M+16M (RD38F2030W0YTQ0)	IC204	1	Intel
NA	IC GSM	PMB7860_V1.1K	IC101	1	Infineon
NA	IC GSM	PMB6271_V1.1	IC401	1	Infineon
NA	IC GSM	PMB6814_v1.0	IC200	1	Infineon
NA	IC PA	Quad Band PA (TQM7M4006)	IC400	1	Triquint
NA	IC Logic	Dual AND (NC7WP08L8X)	IC202, *IC206(NF)	1	Fairchild
NA	IC Special	FEM (DGM081M03)	IC402	1	Epcos
NA	Connector RF	RF SW CON(MM8430-2610B)	J402	1	Murata
NA	Connector SIM	SIM CONNECTOR(254038MA006G505ZL)	J106	0	Suyin

NA	Connector BB	BB 60PIN H=3.0mm FEMALE(54167_0608)	J300	1	Molex
NA	Shield CAN	N701-AT shield frame		1	Wonil
	PCB	Custom made for N701-AT	N701-AT E1	1	You-Will
TC100G Main Board SMT Ass'y					
00100000	RESISTOR CHIP	0 OHM 0402 1/16W 5%	R501,R512,R519,R539	4	ABco ELECT.
00100000	RESISTOR CHIP	0 OHM 0402 1/16W 5%	R509,R516,R517,R540	0	ABco ELECT.
00104R70	RESISTOR CHIP	220 OHM 0402 1/16W 5%		0	ABco ELECT.
00110R00	RESISTOR CHIP	470 OHM 0402 1/16W 5%	R506,R507,R541,R542	4	ABco ELECT.
00110010	RESISTOR CHIP	1K OHM 0402 1/16W 5%		0	ABco ELECT.
00115010	RESISTOR CHIP	1.5K OHM 0402 1/16W 5%	R505	1	ABco ELECT.
00122010	RESISTOR CHIP	2.2K OHM 0402 1/16W 5%	R515,R522	2	ABco ELECT.
00122010	RESISTOR CHIP	3.3K OHM 0402 1/16W 5%	R504,R513,R521,R523,R524 ,R525,R526,R529	8	ABco ELECT.
00147010	RESISTOR CHIP	4.7K OHM 0402 1/16W 5%	R535	1	ABco ELECT.
00110020	RESISTOR CHIP	10K OHM 0402 1/16W 5%	R514,R518	2	ABco ELECT.
00147020	RESISTOR CHIP	47K OHM 0402 1/16W 5%	R510,R511,R527,R531,R543,R544R545,,R546	8	ABco ELECT.
NA	RESISTOR CHIP	47.5K OHM 0402 1/16W 1%	R503	1	ABco ELECT.
NA	RESISTOR CHIP	383K OHM 0402 1/16W 1%	R502	1	ABco ELECT.
	RESISTOR CHIP	100 OHM 0603 1/10W 5%	R533	1	ABco ELECT.
Part Number	Parts	Description	Reference No.	QTY	Remarks
NA	CAPACITOR CHIP	0402, not mount		0	Murata
NA	CAPACITOR CHIP	33PF 0402 COG 5%	C512, C513, C515, C516	4	Murata
NA	CAPACITOR CHIP	1NF 0402 X7R 10%	C511	1	Murata
NA	CAPACITOR CHIP	10NF 0402 X7R 10%	C507, C508	2	Murata
NA	CAPACITOR CHIP	100nF 0402 X7R 10%	C506,C510,C514,C519,C520	5	Murata
NA	CAPACITOR CHIP	330nF 0805 X5R 50V	C502,C503	2	Murata
NA	CAPACITOR TANTAL	10uF 35Volt TNT_C_6032	C501	1	NICHCON
NA	CAPACITOR TANTAL	22uF 6.3Volts TAN-P_2012	C504,C517	2	NICHCON
NA	CAPACITOR TANTAL	470uF 6.3Volts TAN-N_7343	C505	1	NICHCON
NA	INDUCTOR CHIP	18nH 0402 3%(LQW15AN18NH00)	L509	1	TAIYOYUDEN

NA	POWER INDUCTOR	47uH LPF1040-470M	L501	1	ABco ELECT.
NA	INDUCTOR BEAD	BLM18PG181SN1 (180Ohm 1.5A) 0603	L502	1	Murata
NA	DIODE	S1A	D501	1	DIODES
NA	DIODE	B340A	D502	1	DIODES
NA	DIODE	IN5819HW	D503,D504,D516	3	DIODES
NA	DIODE	KDS160E	D505	1	KEC
NA	LED DIODE	GREEN SML-310MT	D509	1	ROHM
NA	LED DIODE	RED SML-310VT	D510	1	ROHM
NA	VARISTOR	ICVS0505500	D506,D519,D520	3	AMOTECH
NA	VARISTOR	ICVA21144E500	D507,D508	2	AMOTECH
	FUSE	0603FA-1A-R 30V/1A	FUSE1	1	
NA	FET	SI1012X N-CH	T504	1	VISHAY
NA	FET	SI2318DS N-CH	T501,T502	1	VISHAY
NA	TRANSISTOR	KTX102E	T503	1	KEC
NA	TRANSISTOR	KRC402E	T505,T506	2	KEC
NA	LDO REGULATOR	MIC4684YM	IC501	1	MICREL
NA	LDO REGULATOR	MIC5265-2.85	IC502	1	MICREL
NA	ANALOG SW	DG-2535DQ-T1	IC505	1	VISHAY
NA	PIC	PIC16F627A	IC504	1	MICROCHIP
NA	CONNECTOR	BB 60PIN H=3.0mm MALE(53748-0608)	J501	1	MOLEX
NA	SYSTEM CONNECTOR	TI05-18S-JCI_SD	J503	1	TMX
NA	Connector	12505WR-06P	J506	1	SNTECH
NA	Connector SIM	(BA)SIM-SA-6P-2.9-E1000	CON501	1	BACON
	PCB	MAIN PCB TC100G	PCB	1	