

Material Code	Specification and model	Material Properties	Unit	Yield(%)	Status	Review	Version	Drawing number	Established personnel
B. 407. 001	Semi-finished product GPS407-L (Latin American version)	Outsourcing	pcs	100	Use	Audited			PengLi
Level	Material name	Specification and model	Material properties	Unit	Unit dosage	Dosage	Plan percentage (%)	Attrition rate(%)	Location number
. 1	PCB board	407-V1. 02 65. 3*21. 3*1. 6mm 6 layer HDI	Outsourcing	pcs	1	1	100	0	
. 1	Chip resistor	RC0402JR-070RL	Outsourcing	pcs	14	14	100	. 3	R1 R12 R21 R31 R33 R34 R35 R40 R1201 R1202 R13 R14 R17 R49
. 1	Chip resistor	RC0402JR-0733RL	Outsourcing	pcs	5	5	100	. 3	R8 R9 R10 R22 R23
. 1	Chip resistor	RC0402JR-0762OKL	Outsourcing	pcs	1	1	100	. 3	R906
. 1	Chip resistor	RC0402JR-071ML	Outsourcing	pcs	1	1	100	. 3	R4
. 1	Anti-static resistor	SFI0402-050E100NP-LF	Outsourcing	pcs	3	3	100	0	TVS1-3
. 1	Chip resistor	RC0201JR-070RL	Outsourcing	pcs	4	4	100	. 3	L16 R1205 R45 L18
. 1	Chip resistor	RC0201JR-071KL	Outsourcing	pcs	1	1	100	. 3	R401
. 1	Chip capacitors	GRM1555C1H471J	Outsourcing	pcs	2	2	100	. 3	C25 C45
. 1	Chip capacitors	GRM188R60J106M	Outsourcing	pcs	8	8	100	. 3	C39 C41 C63 C64 C74 C77 C401 C402
. 1	Chip capacitors	GRM188R60J226ME15#	Outsourcing	pcs	1	1	100	. 3	C403
. 1	Tantalum capacitor	TAJB107K006	Outsourcing	pcs	1	1	100	0	TC703
. 1	Chip capacitors	GRM0335C1HR30W	Outsourcing	pcs	1	1	100	. 3	C1737
. 1	Chip capacitors	GRM0335C1HR50W	Outsourcing	pcs	3	3	100	. 3	L1202 L1702 L6
. 1	Chip capacitors	GRM0335C1H1R0B	Outsourcing	pcs	3	3	100	. 3	L1747 L25 L1740
. 1	Chip capacitors	GRM0335C1H1R2B	Outsourcing	pcs	3	3	100	. 3	C1217 C1222 L1722
. 1	Chip capacitors	GRM0335C1H1R5B	Outsourcing	pcs	2	2	100	. 3	C1210 L1708
. 1	Chip capacitors	GRM0335C1H2R0B	Outsourcing	pcs	1	1	100	. 3	C50
. 1	Chip capacitors	GRM0335C1H3R0B	Outsourcing	pcs	1	1	100	. 3	L31
. 1	Chip capacitors	GRM0335C1H3R6B	Outsourcing	pcs	2	2	100	. 3	C1114 C1115
. 1	Chip capacitors	GRM0335C1H4R3B	Outsourcing	pcs	1	1	100	. 3	C1726
. 1	Chip capacitors	GRM0335C1H180J	Outsourcing	pcs	1	1	100	. 3	C417
. 1	Chip capacitors	GRM0335C1H220J	Outsourcing	pcs	1	1	100	. 3	C1734
. 1	Chip capacitors	GRM0335C1H330J	Outsourcing	pcs	26	26	100	. 3	C20 C21 C22 C23 C42 C1102 C1103 C1106 C1108 C1109 C1111 C1212 C1218 C1219 C1220 C1223 C1701 C1702 C1707 C1730 L23 L1739 C1735 C56 C57 L1707

.1	Chip capacitors	GRM033R71H101K	Outsourcing	pcs	5	5	100	.3	C420 C1201 C1202 C1203 C1204
.1	Chip inductor	HQ1005C2N4BT	Outsourcing	pcs	1	1	100	.3	B8
.1	Chip inductor	HQ1005C4N3BT	Outsourcing	pcs	1	1	100	.3	C53
.1	Chip power inductor	WPN201610UF1ROMT	Outsourcing	pcs	1	1	100	0	L401
.1	Chip power inductor	0603-2.2uH, Stacked high current	Outsourcing	pcs	3	3	100	0	L4 L1002 L2433
.1	Chip power inductor	0603-10uH, Bluetooth cable wrap	Outsourcing	pcs	1	1	100	0	L7
.1	Chip inductor	SDCL0603Q1N2BT02	Outsourcing	pcs	1	1	100	.3	L15
.1	Chip inductor	SDCL0603Q1N5BT02	Outsourcing	pcs	1	1	100	.3	L1719
.1	Chip inductor	SDCL0603Q1N8BT02	Outsourcing	pcs	4	4	100	.3	C1709 L1203 L1701 L1752
.1	Chip inductor	SDCL0603Q15NJT02	Outsourcing	pcs	3	3	100	.3	L8 L1709 L1723
.1	Chip inductor	SDCL0603Q18NJT02	Outsourcing	pcs	1	1	100	.3	C48
.1	SMD magnetic beads	1K/100MHz 0402	Outsourcing	pcs	1	1	100	.3	L22
.1	SMD magnetic beads	GZ1005U221CTF	Outsourcing	pcs	1	1	100	.3	FB1101
.1	0603 SMD LED	0603 SMD LED red	Outsourcing	pcs	1	1	100	0	LED703
.1	1206 side mounted LED	1206 side mounted LED emerald green super bright	Outsourcing	pcs	1	1	100	0	LED1
.1	SMD TVS tube	PESDUC5D5VB, SOD-523	Outsourcing	pcs	1	1	100	0	C70
.1	SMD TVS tube	ESD5641D07, DFN2*2-3L	Outsourcing	pcs	1	1	100	0	D1
.1	Chip Zener Diode	PZ3D4V2H/VCZ5V10W5D3F SOD-323	Outsourcing	pcs	1	1	100	0	D6100
.1	SMD transistor	MMBT3904/VC3904B SOT-23	Outsourcing	pcs	5	5	100	0	Q1 Q2 Q3 Q4 Q705
.1	P-channel MOS tube	CJ2333/YJL2305A SOT-23	Outsourcing	pcs	2	2	100	0	U1 U10
.1	Temperature compensated crystal oscillator TCX0	DSB221SDN 26MHZ 1.8V-2.8V 10PF±1.5PPM 2520(1.8)	Outsourcing	pcs	1	1	100	0	TCX01003
.1	Chip crystal resonator	CM8V-T1A 32.768KHz, 12.5PF±20PPM	Outsourcing	pcs	1	1	100	0	X1002
.1	SMD crystal	9S26000134	Outsourcing	pcs	1	1	100	0	U1101
.1	SMD crystal	YXY-3225-24M-12/10-4085	Outsourcing	pcs	1	1	100	0	X2
.1	GPS filter	SAFFB1G56KBOFOA	Outsourcing	pcs	1	1	100	0	U22
.1	GPS low noise amplifier	MXDLN16GF, 18.5DB, 1.5X1X0.78	Outsourcing	pcs	2	2	100	0	U3 U17
.1	CPU	ASR1606C	Outsourcing	pcs	1	1	100	0	U301
.1	GPS chip	AG3352QN	Outsourcing	pcs	1	1	100	0	U1001
.1	BT IC	FR3036D	Outsourcing	pcs	1	1	100	0	U8
.1	Low Dropout Linear Regulator (LDO)	WR0332-33A50R/ME6212C33M5G, SOT23-5	Outsourcing	pcs	1	1	100	0	U2

.1	Charging IC	AP5056, SOP8-PP	Outsourcing	pcs	1	1	100	0	U4
.1	Power chip (DC-DC)	HL7543TWL06 1V8	Outsourcing	pcs	1	1	100	0	U1016
.1	Power chip (DC-DC)	HL7543TWL07 0V8	Outsourcing	pcs	1	1	100	0	U5110
.1	Power chip (DC-DC)	HL7543WL01 3V3	Outsourcing	pcs	1	1	100	0	U7
.1	Hall switch IC	MH251EUA, TO-92S	Outsourcing	pcs	1	1	100	0	U6
.1	Diplexer	SAYEY1G95GAOFOA	Outsourcing	pcs	1	1	100	0	U11
.1	Diplexer	SAYEY1G74BCOBOA	Outsourcing	pcs	1	1	100	0	U1703
.1	Diplexer	SAYEY836MBAOFOA	Outsourcing	pcs	1	1	100	0	U13
.1	Diplexer	SAYEY1G88BAOBOA/SAYEY1G88BCOBOA	Outsourcing	pcs	1	1	100	0	U1701
.1	Diplexer	SAYEY1G73BAOFOA	Outsourcing	pcs	1	1	100	0	U11
.1	Diplexer	SAYEY2G53BAOFOA	Outsourcing	pcs	1	1	100	0	U1710
.1	Diplexer	SAYEY897MBGOF0AR00/SAYEY897MBAOBOA	Outsourcing	pcs	1	1	100	0	U1702
.1	RF switch	MXD8544A	Outsourcing	pcs	1	1	100	0	U3750
.1	PA chip	RR88643-21S	Outsourcing	pcs	1	1	100	0	U1202
.1	Diplexer	SAYEY718MBCOFOAR00	Outsourcing	pcs	1	1	100	0	U12
.1	Diplexer	SAYEY733MBCOFOAR00	Outsourcing	pcs	1	1	100	0	U1708
.1	RF switch	RR13102-11, SPT2	Outsourcing	pcs	2	2	100	0	U14 U15
.1	RF switch	MXD8680HD, SPT8	Outsourcing	pcs	1	1	100	0	U1201
.1	Patch BT antenna	RFECA3216060A1T	Outsourcing	pcs	1	1	100	0	ANT1
.1	RF connector	IPEX antenna base, 1st generation	Outsourcing	pcs	1	1	100	0	CON3005
.1	Antenna shrapnel	YH-TP2210H2.0, 2.2*1.0*2.0 H	Outsourcing	pcs	3	3	100	0	E1 E2 E3
.1	USB socket	Vertical plug Micro USB female socket	Outsourcing	pcs	1	1	100	0	J701
.1	SIM card holder	SIM25-061T14-N050	Outsourcing	pcs	1	1	100	0	SIM1
.1	Active buzzer	Buzzer active MB9042P2703A, 85dB, 4V, 9*4.5 pin type	Outsourcing	pcs	1	1	100	0	U9
.1	Accelerometer	da262E LGA-10	Outsourcing	pcs	1	1	100	0	U701
.1	Hardware	407 Battery positive terminal with wire terminal, 2.8 female terminal covered with heat shrinkable tube/20 gauge wire/total length 60MM/tinned 3MM	Outsourcing	pcs	1	1	100	0	

. 1	Hardware	407 Battery negative spring, manganese steel, nickel-plated wire diameter 0.5MM, pitch 2.0MM, length 8MM	Outsourcing	pcs	1	1	100	0	
. 1	Shield	407 BB Shield-L, L28.65*W18.89* H 1.5mm (center to center)	Outsourcing	pcs	1	1	100	0	
. 1	Shield	407 BT Shield, L13.95*W7.67* H 1.5mm (center to center)	Outsourcing	pcs	1	1	100	0	
. 1	Shield	407 RF Shield, L13.95*W11.6* H 1.5mm (center to center)	Outsourcing	pcs	1	1	100	0	
. 1	Shield	407 PMU Shield, L13.25*W9* H 1.5mm (center to center)	Outsourcing	pcs	1	1	100	0	
. 1	Shield	407 GPS Shield, L22.23*W10.7* H 1.5mm (center to center)	Outsourcing	pcs	1	1	100	0	