

No.	ST P/N	Description/Spec	Package/Size	Manufacturer	Manufacturer P/N	Qty	Location	ECO infor	Comment
一、	GPRS								
1_1	12000000074	CAP,0.1μF±10%,X5R,10V,0402	SMT 0402	Murata	GRM155R61A104KA01	30	C201 C202 C203 C204 C206 C222 C301 C302 C402 C407 C411 C423 C424 C425 C426 C427 C502 C503 C504 C539 C619 C628 C630 C632		
1_2	12000000039	0402,0.1uF,X5R,10V,10%	SMT 0402	Taiyo	LMK105BJ104KV-F	R/P			
3_1	12000000001	CAP-100pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H101JZ01	4	C404 C405 C406 C409		
3_2	12000000050	0402,100pF,COG,50V,5%	SMT 0402	Taiyo	UMK105CH101JV-F	R/P			
	12000000190	Chip Capacitor,10nF/50V,10%	SMT 0402	Murata	GRM155R71H103KA8	1	C415		
4_1	12000000000	CAP-10pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H100JZ01	3	C224 C606 C607		
4_2	12000000094	Cap 0402,10pF,COG,50V,+0.5pF	SMT 0402	Taiyo	UMK105CH100DW-F	R/P			
5_1	12000000060	0402 18pF COG 50V 5%	SMT 0402	Taiyo	UMK105CH180JW-F	4	C608 C609 C610 C611		
5_2	12000000036	CAP-18pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H180JZ01	R/P			
6	12000000002	CAP-1nF-K,50V,X7R	SMT 0402	Murata	GRM155R71H102KA0	2	C208 C626		
7	12000000080	C 1u 6.3V Z 0402 Y5V	SMT 0402	MURUTA	GRM155F50J105ZE01	9	C212 C213 C214 C215 C228 C416 C507 C508		
8	12000000174	Chip Capacitor,220nF/10V,±	SMT 0402	Murata	GRM155R61A224K	1	C631		
9	12000000134	CAP-220pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H221JA01	1	C615		
10	12000000005	CAP-22pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H220JZ01	7	C101 C102 C603 C612 C616 C618 C622		
	12000000175	CAP,27pF±5%,50V,0402	SMT 0402	Murata	GRM1555C1H270JZ01	1	C707		
11	12000000006	CAP-33pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H330JZ01	3	C225 C408 C412		
12	12000000344	Chip Capacitor,39nF/25V,10%	SMT 0402	Murata	GRM155R71E393KA8	1	C635		
13	12000000225	CAP-39pF-K,50V,X7R,0402	SMT 0402	Murata	GRM155R71H390KZ0	2	C629 C637		
15	12000000191	Chip Capacitor,47nF/25V,10%	SMT 0402	Murata	GRM155R71E473KA8	1	C207		
17	12000000133	CAP-47pF-J,50V,C0G	SMT 0402	Murata	GRM1555C1H470JZ01	2	C623 C625		
	12000000131	CAP-6.8pF-D,50V,C0G	SMT 0402	Murata	GRM1555C1H6R8DZ01	2	C604 C605		
18	12000000130	CAP-6pF-C,50V,C0G	SMT 0402	Murata	GRM1555C1H6R0CZ01	3	C613 C614 C617		
20	12000000235	Chip Capacitor,82pF/50V;±5%	SMT 0402	TDK	C1005C0G1H820JT	2	C627 C636		
	12000000272	Chip Capacitor,4.7uF/10V,±10%	SMT 0603	Murata	GRM188R61A475KE15D	15	C209 C211 C216 C218 C219 C220 C221 C223 C226 C229 C230 C231 C413 C414 C513		
	12000000037	0603,4.7uF,X5R,6.3V,10%	SMT 0603	Taiyo	JMK107BJ475KA-T	R/P			
21	12000000311	CAP,10uF-K,6.3V,X5R,0.85mm	SMT 0805	Murata	GRM219R60J106KE	9	C232 C401 C410 C417 C512 C620 C638 C701		
	12000000354	CAP,10uF,10%,16V,X5R	SMT 0805	Murata	GRM21BR61C106KE15	1	C501		
22	12100000029	Tan Chip CAP,100uF,6.3V,+/-20%,H=1.1mm	SMT 3528	NEC-TOKIN	TEESVB30J107M8R	1	C621		
25_1	11000000004	RES-0Ω,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-000-J	10	R301 R303 R412 R514 R515 R602 R603 R605		
25_2	11000000093	RES-0Ω,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-0RL	R/P			
	11000000054	RES-0R,+/-5%,1/8W	SMT 0603	Yageo	RC0603JR-07-0RL	2	B406 B407		
26_1	11000000165	RES-1.5KΩ,+/-1%,1/16W	SMT 0402	CYNTEC	RR0510S-152-F	3	R402 R403 R406		
26_2	11000000166	RES-1.5KΩ,+/-1%,1/16W	SMT 0402	Yageo	RC0402FR-07-1K5L	R/P			
27_1	11000000021	RES-10Ω,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-100-J	1	R611		
27_2	11000000116	RES-10Ω,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-10RL	R/P			
	11000000007	RES-10KΩ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-103-J	6	R203 R410 R508 R604 R701 R707		
	11000000095	RES-10KΩ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-10KL	R/P			
	11000000008	RES-100KΩ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-104-J	5	R411 R506 R507 R510 R702		
	11000000105	RES-100KΩ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-100KL	R/P			

No.	ST P/N	Description/Spec	Package/Size	Manufacturer	Manufacturer P/N	Qty	Location	ECO infor	Comment
	11000000112	RES-15K Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-153-J	2	R413 R617		
	11000000113	RES-15K Ω ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-15KL	R/P			
	11000000006	RES-1K Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-102-J	12	R206 R207 R208 R209 R310 R311 R404 R405 R407 R511 R601 R608		
	11000000094	RES-1K Ω ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-1kL	R/P			
	11000000147	RES-2.2K Ω ,+/-5%,1/16W	SMT 0402	Yageo	RC0402JR-07-2K2L	4	R613 R614 R615 R616		
	11000000091	RES-24K Ω ,+/-1%,1/16W	SMT 0402	Yageo	RC0402JR-07-24KL	1	R202		
	11000000047	RES-24K Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-243-J	R/P			
	11000000360	RES-27 Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-270-J	1	R606		
	11000000358	RES-27 Ω ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-27RL	R/P			
	11000000040	RES-33 Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-330-J	9			
	11000000097	RES-33 Ω ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-33RL	R/P			
	11000000056	RES-33K Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-333-J	1	R312		
	11000000310	RES-33K Ω ,+/-1%,1/16W	SMT 0402	YAGEO	RC0402FR-07-33KL	R/P			
	11000000017	RES-4.7K Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-472-J	2	R205 R414		
	11000000103	RES-4.7K Ω ,+/-5%,1/16W	SMT 0402	YAGEO	RC0402JR-07-4K7L	R/P			
	11000000128	RES-47K Ω ,+/-1%,1/16W	SMT 0402	Yageo	RC0402FR-07-47KL	1	R703		
	11000000178	RES-51 Ω ,+/-1%,1/16W	SMT 0402	CYNTEC	RR0510S-510-F	1	R612		
	11000000179	RES-51 Ω ,+/-1%,1/16W	SMT 0402	Yageo	RC0402FR-07-51RL	R/P			
	11000000359	RES-56 Ω ,+/-5%,1/16W	SMT 0402	CYNTEC	RR0510S-560-J	1	R607		
	11000000355	RES-56 Ω ,+/-5%,1/16W	SMT 0402	Yageo	RC0402JR-07-56RL	R/P			
	11700000001	RES-0.2 Ω ,+/-1%,1/8W	SMT 0805	YAGEO	RC0805FR-07-0R2L	1	R201		
	11700000002	RES,Thick film,+/-5%,51R,1/8W	SMT 0805	YAGEO	RC0805JR-07-51RL	1	L501		
	11400000001	NTC thermistor,10k,1%	SMT 0402	murata	NCP15XH103F03R	1	TR201		
	13000000010	Inductor-18nH-J	SMT 0402	TDK	MLK1005S18NJT	1	L608		
	13000000162	Chip Inductor,18nH, $\pm$ 5%	SMT 0402	Murata	LQG15HS18NJ02D	R/P			
	13000000021	Inductor-1nH-S	SMT 0402	MUTATA	LQG15HS1N0S2D	2	L602 L603		
	13000000127	Chip Inductor,22nH, $\pm$ 5%	SMT 0402	MURATA	LQG15HS22NJ02	2	L609 L701		
	13000000180	Inductor-2nH-S	SMT 0402	MUTATA	LQG15HS2N0S2D	1	L604		
	13000000034	L 4.7nH +/-0.3nH 0402	SMT 0402	MURUTA	LQG15HS4N7S02	1	C601		
	13000000108	Inductor High-freq 5.1nH-J	SMT 0402	TDK	MLK1005S5N1ST	3	L605 L606 L607		
	13100000001	Chip Bead ,1000R@100MHz	SMT 0402	MURUTA	BLM15HD102SN1D	4	B401 B402 B403B405		
	1A000000035	CHIP LED,BLUE,RIHGT ANGLE	SMT	EVERLIGHT	27-21/BHC-	4	LED201 LED202 LED203 LED204		
	11500000000	Resistance		AMOTECH	AVL18S03300LC120	2	ESD201 ESD202		
	14000000040	Voltage Regulator Diode,Vz=6.8V	SOD323	NXP	PDZ6.8B	1	D201		
	14000000007	Diode 30 V, 1.5 A ultra low VF MEGA Schottky barrier rectifiers	PMEG3015 EH	Philips	PMEG3015EH	2	D203 D501		
	14000000019	DIODE RECTIFIER SCHOTTKY 200mA 35V SMT SOD-523;	RB520S	Rohm	RB520S-30TE61	2	D202 D302		
	14000000058	DIODE RECTIFIER SCHOTTKY 200mA 35V SMT SOD-523;	RB520S	Rohm	RB520S-30FJTE61	R/P			
	15000000013	Transistor 2SC4617TLQ, EMT3	SMT	ROHM	2SC4617TLQ	1	Q501		

[illegible]