

Parts List for GAOFDM700

FCC ID: QQ2-GAOFDM700

Subject: Parts Lists for GigAccess 700 FCC ID:QQ2-GAOFDM700

Parts List for GAOFDM700

WaveIP

PC0120-rev1.00

GA-OFDM-700MHz rev1.00

403RAD57739

refer to H version

Quantity	Value	Part Reference	PCB Footprint
6	FERRITE BEAD EMI INDUCTOR 121 OHM@100MHz 0603	B3 B9 B16 B17 B18 B20	603
1	LFB2H2G45SG7A158	BP1	MDR741F
26	CAP CER X5R 10 MF 10% 6.3V 0805	C1 C22 C46 C103 C122 C247 C248 C249 C260 C269 C275 C305 C401 C413 C1261 C1262 C1263 C1288 CP5 CP6 CP140 CP338 CP387 CP528 CP535 CP536	805
3	CAP 1.5 pF, 50V, NPO	C1267 C1268 C1281	402
4	CAP CER X7R 470 PF 5% 50V	C1271 CP465 CP467 CP524	402
2	CAP CER COG 1 PF 5% 50V 0402	C1278 C1280	402
2	CAP 33 nF X7R 0603	C1283 CP373	603
1	CAP CER COG 68 PF 5% 50V0402	C1284	402
10	CAP TANT 47 MF 10% 16V CASE C	C13 C36 C52 C209 C222 C236 C304 C402 C410 C412	CASE-C-D
28	CAP CER Y5V 1 MF +80/-20% 10V 0603	C177 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C282 C287 C290 C292 C293 C294 C297 C299 C300 C301 C1266 CP139 CP344 CP346 CP347 CP348	603
3	CAP CER X7R 100 NF 10% 200V 1210	C19 C21 C237	1210

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88	CAP CER X7R 100 NF 10% 10V 0402	C2 C6 C25 C37 C38 C41 C45 C47 C48 C50 C51 C56 C57 C58 C59 C61 C62 C66 C69 C70 C71 C72 C73 C74 C85 C86 C87 C88 C89 C91 C98 C99 C104 C105 C106 C121 C123 C124 C126 C127 C130 C138 C151 C153 C157 C170 C183 C211 C220 C221 C226 C227 C238 C242 C255 C261 C264 C266 C270 C271 C272 C273 C279 C284 C303 C313 C400 C411 C1275 CP164 CP165 CP166 CP177 CP261 CP265 CP307 CP310 CP337 CP345 CP349 CP350 CP351 CP516 CP521 CP530 CP534 CP178 CP517	402
1	CAP CER X7R 10 NF 10% 250V 0805	C20	805
1	CAP ELEC 68 MF 100V 20% 105C SMT 12.5X13.5	C233	CV-FS
67	CAP CER X7R 10 NF 10% 16V	C3 C7 C14 C39 C44 C68 C90 C102 C125 C128 C129 C152 C171 C172 C173 C174 C175 C176 C212 C239 C240 C241 C243 C244 C245 C246 C250 C251 C252 C254 C256 C257 C259 C262 C263 C265 C268 C276 C277 C280 C281 C283 C285 C286 C288 C289 C291 C295 C296 C298 C302 C405 C1236 C1238 C1239 C1242 C1244 CP1 CP7 CP148 CP367 CP529 CP538 C346 C1264 C1279 C1287	402
5	RES 820 OHM 5% 1/16W	C315 RS223 RS224 RS225 RS226	402
2	CAP CER COG 1.8 PF 5% 50V 0402	C321 C1293	402
3	CAP CER COG 5.6 Pf 50V +/-0.25PF 0402	C342 C343 CP206	402
1	CAP CER COG 6.2 PF +/- 0.1pF 50V 0402	C349	402
5	CAP TANT 100 MF 20% 10V CASE D LOW ESR	C49 C201 C202 C210 C234	CASE-C-D
16	CAP CER COG 10 PF 5% 50V 0402	C60 C76 C139 C140 C320 C1273 C1294 CP252 CP341 CP342 CP353 CP358 CP400 CP405 CP513 CP532	402

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28	CAP CER COG 100 PF 5% 50V 0402	C65 C316 C322 C344 C1269 C1286 C1289 C1295 CP3 CP4 CP8 CP12 CP14 CP17 CP18 CP21 CP25 CP55 CP226 CP355 CP356 CP376 CP399 CP514 CP515 CP520 CP531 CP533	402
16	CAP CER X5R 4.7 MF 10% 10V 0805	C67 C109 C158 C312 C314 C1265 C1276 CP308 CP311 CP336 CP518 CP10 CP359 CP366 CP377 CP522	805
4	CAP CER X7R 1 NF 10% 2KV 1210	C8 C9 C40 C161	1210
21	CAP CER X7R 1 NF 5% 50V 0402	C83 C84 C253 C258 C267 C274 C309 C1237 C1240 C1241 C1243 C1245 C1270 C1277 C1282 C1290 C1291 C1292 CP15 CP20 CP537	402
1	CAP 180pF, 25V, NPO	C93	402
1	CAP CER X7R 22 NF 10% 25V0603	C94	603
10	CAP CER COG 33 PF 5% 25V	CP143 CP339 CP357 CP395 CP469 CP473 CP512 CP523 CP526 CP527	402
2	CAP 5 pF COG 50V 0402	CP317 CP318	402
25	RES 0 OHM 1/16W 0402	CP90 CP360 L52 L53 R222 R223 R244 R302 R303 R304 RS49 RS66 RS68 RS80 RS81 RS233 RS238 RS250 RS268 RS269 RS292 RS296 L14 L38 L39	402
1	DI MURS120T3 RECTIFIER 200V 1A SMB(CASE 403A-03)	D5	SMC_B
1	Diode schottky 100mA SOD-323	D6	SOD-323
2	P0640SC SIDACTOR 58V 150mA DO214 SMT	DO1 DO2	DO214
1	P0080SC SIDACTOR 6V DO214	DO3	DO214
1	LED GREEN BL-HX135 0805	DS9	LED0805
1	SAW FILTER-374MHz 3.8X3.8	FL11	TB0152A
1	915 MHZ low pass filter	FL15	LPF
2	CON RJ45 W/FERRITE	J1 J2	RJ45
1	CON HEADER BOX 2*4P SMT	J21	2x4smd
2	MCX-50-OHAM TH	J31 J109	MCX
11	INDUCTOR 180 NHy 5% 300mA HIGH FREQUENCY 0805	L1 L9 L20 L30 L31 L32 L34 L44 L80 L81 L82	805
1	IND 6.8 nH 5% 0402	L10	402
3	IND 47 nHy 5%	L17 RS78 RS79	402
1	IND 33 nHy 5%	L189	402
4	IND 100nH 5%	L26 L33 L63 R28	402
6	FERRITE 330 OHM 1.5A 0805	L4 L45 L70 L195 B5 B6	805
6	INDUCTOR 18nH 5% 0603	L47 L71 L191 L192 L193 L194	603
2	INDUCTOR 56 Nh 5% 0402	L6 L62	402
1	INDUCTOR 1 uHy 20% 850mA 1210	L7	1210

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3	IND 2.2 nH +/-0.3nH	L8 L11 L12	402
4	TRANS MOSFET 9CHAN SOT23	Q1 Q3 Q5 Q7	SOT23
4	NPN AMPLIFIER MMBT2222AL	Q2 Q4 Q6 Q8	SOT23
4	RES 75 OHM 1% 1/10W 0603	R10 R11 R126 R127	603
12	RES 220 OHM 5% 1/16W 0402	R102 R104 R105 R106 R151 RS242 RS243 RS251 RS252 RS257 RS258 RS286	402
2	RES 2.4 KOHM 5% 1/16W 0402	R13 RS206	402
2	RES 10 KOHM 5% 1/16W 0403	R138 R150	402
1	RES 3.01 KOHM 1% 1/16W 0402	R156	402
4	RES 22 OHM 5% 1/16W	R190 R225 R226 R160	402
5	RES 51.1 OHM 1% 1/16W0402	R20 R21 R117 R118 RS73	402
3	RES 10 OHM 5% 1/16W 0402	R227 RS289 RS293	402
4	RES 47 OHM 5% 1/16W	R231 R233 R234 R235	402
3	RES 124 OHM 1% 1/16W 0402	R232 R236 R300	402
1	RES 7.5 KOHM 0402	R27	402
22	RES 100 OHM 5% 1/16W 0402	R29 R30 R116 R311 R312 R313 R314 R315 R317 R318 R319 R320 R321 RS74 RS75 RS76 RS82 RS83 RS84 RS260 RS263 RS1004	402
20	RES 4.7 KOHM 5% 1/16W 0402	R3 R48 R50 R98 R99 R142 R149 R166 R169 R204 R208 R213 R305 R306 R316 RS22 RS23 RS24 RS77 RS104	402
1	RES 910 OHM 5% 1/16W 0402	R32	402
19	RES 1 KOHM 1% 1/16W 0402	R49 R143 R153 R178 R201 R202 R237 R309 R310 RS72 RS115 RS192 RS207 RS230 RS244 RS253 RS259 RS287 RS288	402
27	RES 33 OHM 5% 1/16W 0402	R8 R18 R51 R52 R53 R54 R55 R56 R57 R60 R64 R65 R66 R81 R82 R83 R84 R90 R91 R100 R101 R152 R155 R161 R162 R203 R301	402
9	RES NET CHIP ARRAY 4.7 K 5% 8E 10P 32mW/EACH 1206	RN14 RN15 RN16 RN17 RN18 RN22 RN23 RN5 RN6	YC15
8	RES NET CHIP ARRAY 51 OHM 5% 8E 10P 32mW/EACH 1206	RN7 RN8 RN9 RN10 RN11 RN12 RN13 RN60	YC15
4	RES 536 OHM 1% 1/16W 0402	RS290 RS291 RS294 RS295	402
1	COMMON MODE CHOKE 2LINE 50V 1.5A 800OHM@100MH SMT	T2	CM04RC-2
2	ETC1.6-4-2-3 BALUN	T3 T4	ETC1
1	ETC1-1-13 BALUN	T5	ETC1
1	EPXA4F6720C1 FPGA FBGA672(*3)	U1	FBGA672
1	KS8993 3 PORT 10/100 SWITCH PQFP128	U10	PQFP128
1	RT2525 2.4 GHz Transceiver	U101	QFN-48L
1	LDO 300mA AME8801HEEV-2.7V	U102	SOT23-5

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1	RT2560 -BGA180 BBP	U105	BGA-180
1	Power Amplifier Module 824-829MHZ	U120	4X4
1	74LCX540 OCTAL BUFFER TSSOP20	U15	TSSOP20
1	28F160 MEM FLASH 1M*16 90/80/70ns TSOP48	U16	TSOP48
2	DDR SDRAM 133MHz 8M*16 2M*16*4BANK 2.5V TSOP166	U17 U18	TSOP66
1	LP2995 DDR VTT REG. LQA16	U24	LQA16
1	LP3966ES VOLT REG 2.5V 3A FAST LDO SOT263-5	U26	TO263-5
1	ADM708SAR +3V MONITORING uP SUPERVISORY SO8	U28	SO8
1	LP3966ES VOLT REG 1.8V 3A FAST LDO SOT263-5	U29	TO263-5
1	PKF4110 DC-DC PWR MODULE 3.3V 4A 18PIN SMT	U30	PKF/SMD
2	SINGLE 10BASE-T/100BASE-T TRANSFORMER 1:1/1:1 SMD	U31 U32	HALO
1	BL2012-20B2450 Multilayer Chip Baluns 2450MHz 1:4	U34	BL2012
1	49FCT3807 1:10 CLK DRVR 3.3V SSOP20	U36	SSOP20
1	ADF4360-4 PLL WITH VCO 1450-1750	U37	LFCSP24
1	PE4140 MIXER	U38	3X3
3	T/R SWITCH AS193-73 SOT6	U40 U52 U64	SOT23-6
2	LDO 300mA AME8801NEEV-2.9V	U49 U71	SOT23-5
1	SMDA05C TVS ARRAY 4LINE 5V 300W BIDIRECT SO8	U5	SO8
1	LDO 300mA AME8800MEET-1.8V	U50	SOT-23
4	LC03-6 TVS ARRAY SO8	U6 U7 U21 U22	SO8
6	70-3000MHZ LNA/DRIVER MAALSS0012	U72 U73 U107 U116 U118 U119	SC70
1	OSC 44MHz 25PPM 3.3V 15PF	X1	F4100
1	OSC 40MHz 20 PPM 3.3V 15PF HCMOS - 20+70	X2	SMD/5X7
1	OSC 10MHz 25 PPM 3.3V 15PF HCMOS - 20+70	X3	SMD/5X7
1	CRYSTAL 25MHz 20PPM SMT	Y1	CRYSTAL
1	HMC273 MMIC ATTENUATOR	U122	MSOP10
1	LP2992A LDO 250 mA 3V	U121	SOT23-5
2	TA0343A 743MHZ SAW FILTER SMD	FL16 FL17 (H-VERSION)	5x5
1	TA0342A 713MHZ SAW FILTER SMD	FL16 FL17 (L-VERSION)	5X5
1	PC0120-REV1.00	PCB	

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NOT CONNECTED

1	HEADER-F-2X4 0.05	J108	8PIN-0.05
2	100pF/NI	C100 C101	402
1	MICTOR 38 PINS	J103	
1	CON4/NC	J30	CON4_100
3	1K/NC	R62 R228 R229	402
1	10pF/NC	CP354	402
4	10nF/NC	C1272 CP464 CP468 CP525	402
4	100nF/NC	C406 C407 C408 C409	402
2	1000PF/2KV/NC	C10 C11	1210
1	1.5pF/nc	C1285	402

Parts List for GAOFDM700

1	74LVC1G04/SC70/NC	U55	SOT353
1	74LVC1G08/SC-70/NC	U54	SOT353
2	??/NC	L48 L51	402
1	MCX/smd	J104	MCXSMD
3	NC	L65 RS239 RS240	402
1	nc/	R322	603
2	0 NC	R176 R177	402
1	0/0603/NC	RS1003	603
5	0/NC	RS71 RS167 RS234 RS235 RS236	402
1	0/NC ohm	L190	402
1	0/NCohm	L49	402
1	0-0603/NC	L43	805
1	3.9nH/nc	L66	402
1	270pF/NC	CP319	402
1	33/NC	R200	402
2	4.7K/NC	R172 R221	402
1	22uF/63V/NC	C235	CV FS_K
1	4.7K/NI	R171	402
1	22nH/NI	L36	402
2	510/NI	R214 R215	402
1	47pF/NI	C95	402

Use PC040 PS SOLDER MASK FOR PS.