



RSU-OFDM-700MHZ

Quantity	DESCRIPTION	Part Reference	PCB Footprint
6	FERRITE BEAD EMI INDUCTOR 121 OHM@100MHz 0603	B3 B9 B16 B17 B18 B19	603
9	FERRITE BEAD 220OHM@100MHz0805	B5 B6 L2 L20 L25 L45 L50 L54 L58	805
1	FILTER BAND PASS 2450MHZ SMD	BP1	MDR741F
8	CAP TANT 47 MF 10% 16VCASE C	C114 C117 C128 C133 C134 C144 C148 C149	CASE-C-D
5	CAP CER Y5V 1 MF +80/-20% 10V 0603	C1266 CP344 CP346 CP347 CP348	603
3	CAP 1.5 pF, 50V, NPO	C1267 C1268 C1281	402
2	CAP CER COG 1 PF 5% 50V 0402	C1278 C1280	402
2	CAP 33 nF X7R 0603	C1283 CP9	603
1	CAP CER COG 68 PF 5% 50V0402	C1284	402
1	CAP CER COG 1.8 PF 5% 50V 0402	C1293 C1298	402

101	CAP CER X7R 100 NF 10%10V 0402	C14 C23 C48 C52 C98 C99 C129 C136 C137 C138 C141 C145 C157 C183 C200 C205 C206 C207 C208 C213 C216 C217 C218 C222 C228 C229 C230 C231 C232 C234 C236 C237 C239 C240 C242 C244 C245 C246 C247 C248 C250 C255 C256 C257 C258 C259 C261 C272 C273 C274 C275 C276 C277 C279 C282 C289 C290 C295 C307 C308 C311 C313 C315 C316 C317 C318 C319 C322 C427 C429 C430 C1250 C1251 C1253 C1254 C1255 C1256 C1257 C1258 C1259 C1275 C1299 C1301 CP11 CP45 CP47 CP164 CP165 CP166 CP167 CP178 CP261 CP265 CP307 CP310 CP337 CP345 CP349 CP350 CP351 CP364	402
2	CAP CER X7R 1 NF 10% 2KV1210	C203 C227	1210
28	CAP CER X7R 10 NF 10% 16V 0402	C21 C49 C51 C143 C201 C204 C235 C243 C269 C270 C287 C321 C364 C1236 C1238 C1239 C1242 C1244 C1249 C1252 C1264 C1279 C1287 CP1 CP7 CP44 CP367 CP371	402
41	CAP CER X7R 1 NF 5% 50V0402	C22 C50 C53 C83 C84 C140 C220 C224 C260 C262 C309 C310 C320 C323 C324 C325 C326 C327 C328 C329 C330 C331 C332 C333 C334 C335 C336 C337 C1237 C1240 C1241 C1243 C1245 C1270 C1277 C1282 C1290 C1291 C1292 CP15 CP20	402
4	CAP CER COG 5.6 Pf 50V +/-0.25PF 0402	C342 C343 C349 CP206	402
27	CAP CER X5R 10 MF 10%6.3V 0805	C47 C142 C209 C211 C225 C238 C249 C254 C265 C266 C288 C426 C428 C1261 C1262 C1263 C1288 C1300 CP5 CP6 CP30 CP43 CP46 CP92 CP140 CP338 CP372	805
15	CAP CER COG 10 PF 5% 50V0402	C60 C76 C146 C150 C1273 C1297 C1302 CP19 CP49 CP54 CP252 CP341 CP342 CP353 CP358	402
21	CAP CER COG 100 PF 5% 50V0402	C65 C344 C1269 C1286 C1289 C1294 C1296 C1303 CP3 CP4 CP8 CP14 CP17 CP18 CP21 CP26 CP48 CP340 CP343 CP355 CP356	402
15	CAP CER X5R 4.7 MF 10% 10V 0805	C67 C109 C158 C312 C314 C1265 C1276 CP10 CP308 CP311 CP336 CP365 CP359 CP366 CP368	805
1	CAP 180pF, 25V, NPO	C93	402
1	CAP CER X7R 22 NF 10% 25V0603	C94	603

6	CAP CER X7R 470 PF 5% 50V	CP12 CP31 CP37 CP95 CP361 CP369	402
2	CAP 5 pF COG 50V 0402	CP317 CP318	402
15	CAP CER COG 33 PF 5% 25V	CP34 CP36 CP41 CP42 CP50 CP52 CP91 CP339 CP357 CP363 CP370 CP375 CP376 CP377 CP378	402
7	LED GREEN T-1 2.1V 2mA 3mm	DS1 DS2 DS3 DS4 DS5 DS6 DS9	3MM-TH
6	LED SPACER-9mm	DS1 DS2 DS3 DS4 DS5 DS6	
1	LED SPACER-13 mm	DS9	
1	SAW FILTER-374MHz 3.8X3.8 6MHZ BW	FL11	TB0152A
1	TA0343A 743MHZ SAW FILTER SMD	FL13	5x5
1	TA0342A 713MHZ SAW FILTER SMD	FL14	5x5
1	LOW PASS FILTER 915MHz	FL7	LPF
2	CON RJ45 JACK W/LEDS VERT TH	J1 J2	RJVERT
1	CON MCX BH 50 OHM TH 1.5mm step	J102	MCX
1	DC POWER JACK VERTICAL	J26	dc- plug_kldv
1	HEADER 2X4 2.54mm SMD GOLD FLASH	J29	2x4 2.54 smd
6	INDUCTOR 180 NHy 5% 300mA HIGH FREQUENCY 0805	L1 L19 L44 L55 L56 L74	805
1	IND 6.8 nH 5% 0402	L10	402
3	IND 47 nHy 5%	L17 RS78 RS79	402
1	IND 33 nHy 5%	L18	402
4	IND 100nH 5%	L26 L33 L63 R28	402
6	INDUCTOR 18nH 5% 0603	L47 L57 L59 L71 L75 L76	603
2	INDUCTOR 56 Nh 5% 0402	L5 L62	402
3	IND 2.2 nH +/-0.3nH	L8 L11 L12	402
5	TRANS MOSFET 9CHAN SOT23	Q1 Q2 Q5 Q7 Q9	SOT23
5	TRAN MMBT2222A NPN 40V	Q3 Q4 Q6 Q8 Q10	SOT23
2	RES 10 OHM 5% 1/16W 0402	R101 R227	402
1	RES 3.01 KOHM 1% 1/16W0402	R118	402
2	RES 75 OHM 1% 1/10W 0603	R119 R136	603
8	RES 10 KOHM 5% 1/16W 0402	R13 R44 R111 R131 R135 R137 R146 RS245	402
6	RES 536 OHM 1% 1/16W 0402	R150 R151 R154 R155 R156 R157	402
2	RES 0 OHM 1/10W 0603	R166 R167	603

4	RES 22 OHM 5% 1/16W	R190 R225 R226 R241	402
4	RES 47 OHM 5% 1/16W	R231 R233 R234 R235	402
7	RES 124 OHM 1% 1/16W 0402	R232 R236 R243 R254 RS85 RS95 RS243	402
2	RES 2.4 KOHM 5% 1/16W 0402	R240 RS206	402
5	RES 4.7 KOHM 5% 1/16W0402	R245 R246 R260 RS67 RS77	402
1	RES 7.5 KOHM 0402	R27	402
20	RES 100 OHM 5% 1/16W 0402	R30 R100 R126 R244 R255 R256 R257 R258 R259 RS74 RS75 RS76 RS82 RS83 RS94 RS97 RS1009 RS1010 RS1011 RS1012	402
1	RES 910 OHM 5% 1/16W 0402	R32	402
22	RES 51.1 OHM 1% 1/16W0402	R78 R79 R81 R82 R83 R84 R85 R87 R104 R105 R106 R107 R108 R112 R120 R121 R122 R123 R124 R125 R128 RS73	402
9	RES 33 OHM 5% 1/16W 0402	R86 R89 R90 R91 R102 R129 R162 R238 R253	402
11	RES 220 OHM 5% 1/16W 0402	R88 R94 R117 R134 RS84 RS87 RS96 RS230 RS242 RS1005 RS1006	402
23	RES 1 KOHM 5% 1/16W 0402	R92 R110 R132 R133 R138 R139 R158 R159 R160 R161 R237 R247 R248 RS72 RS88 RS89 RS102 RS115 RS192 RS207 RS228 RS244 RS1007	402
6	RES NET CHIP ARRAY 4.7 K5% 8E 10P 32mW/EACH	RN1 RN2 RN3 RN4 RN5 RN6	CAY17
4	RES 820 OHM 5% 1/16W	RS223 RS224 RS225 RS226 C1295	402
14	RES 0 OHM 1/16W 0402	RS66 RS68 RS103 RS247 RS248 RS1002 RS1008 RS1015 L14 L38 L39 R224	402
2	ETC1.6-4-2-3 BALUN	T3 T4	ETC1
1	ETC1-1-13 BALUN	T5	ETC1
1	49FCT3807 1:10 CLK DRVR3.3V SSOP20	U10	SSOP20
1	EP1C6256C8 FPGA BGA256	U100	BGA256
1	RT2525 2.4 GHz Transceiver	U101	QFN-48L
1	LDO 300mA AME8801HEEV-2.7V	U102	SOT23-5
6	70-3000MHZ LNA/DRIVER	U107 U108 U109 U110 U113 U122	SC70
1	AME8800MEET-1.8V	U111	SOT-23
1	Power Amplifier Module 824-829MHZ	U120	4X4
1	LP2992AIM-3	U121	SOT23-5
1	HMC273 MMIC ATTENUATOR	U123	MSOP10

1	SN74LVC1G08DCKR AND GATE	U124	SOT353
1	28F160 MEM FLASH 1M*1690/80/70ns TSOP48	U14	TSOP48
2	SINGLE 10BASE-T/100BASE-T TRANSFORMER 1:1/1:	U16 U19	TRANS
1	SDRAM MT48LC4M32B2-6 TSOP86	U17	86TSOP
1	5 PORT SWITCH WITH INTEGRATED ARM-9+PCI	U18	PBGA289
1	ADM708SAR +3V MONITORINGuP SUPERVISORY SO8	U20	SO8
1	BL2012-20B2450 Multilayer Chip Baluns 2450MHz 1:4	U34	BL2012
1	PE4140 MIXER	U38	3X3
1	ADF4360-4 PLL WITH VCO 1450-1750	U37	LFCSP24
3	T/R SWITCH AS193-73	U40 U45 U112	SOT23-6
2	LDO 300mA AME8801NEEV-2.9V	U43 U49	SOT23-5
2	LP8340CLD-ADJ LINEAR REGULATOR	U50 U52	LLP-6
1	RT2560 -BGA180 BBP	U51	BGA-180
1	OSC 33MHz 20PPM 3.3V 15PF HCMOS 5*7.5*1.5mm	X1	SMD/5X7
1	OSC 40MHz 10 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
2	GaAs T/R Diversity SwitchSKY 13267- 321	U125 U126	QFN12
1	PC0130-REV1.00 PCB	PCB	