

BOM 486S07 Arqiva Front End rev_H.txt
 Bill of Material for 486S07 Arqiva Front End rev_H
 On 23/09/2009 at 14.32.46

Comment	Pattern	Quantity	Components
0 Resistor	0603R	10	R15, R18, R28, R32, R34, R44 5 % 1/16W
100n Ceramic Capacitor	0603R	34	R49, R75, R87, R105 C1, C3, C6, C20, C31, C32 Multilayer C49, C51, C56, C59, C71, C80 C84, C88, C96, C103, C107 C108, C109, C110, C113, C114 C123, C129, C130, C132, C133 C140, C141, C142, C143, C144 C145, C146
100n Ceramic Capacitor	1206	1	C124 Multilayer
100nH	0603R	5	L7, L8, L17, L18, L24 SMD Inductor
100p Ceramic Capacitor	0603R	16	C4, C10, C15, C16, C17, C18 Multilayer C19, C39, C44, C45, C47, C48 C61, C65, C67, C151
100u-6.3V high capacitance, monolithic ceramic capacitor	1210	1	C120 Thin layer,
10K Resistor	0603R	20	R1, R2, R3, R4, R5, R6, R7 5 % 1/16W R8, R9, R10, R11, R12, R13 R14, R16, R17, R21, R22, R25 R26
10n Ceramic Capacitor	0603R	10	C14, C27, C28, C62, C76, C90 Multilayer
10p Ceramic Capacitor	0603R	17	C91, C99, C115, C136 C21, C22, C23, C42, C46, C55 Multilayer
10u-16V Electrolytic Capacitor Type B	TANT-B	7	C81, C85, C86, C89, C92, C93 C94, C95, C105, C116, C149 C2, C7, C25, C40, C121, C125 Tantalum
10u-6V3 Ceramic Capacitor	0603R	3	C137 C83, C87, C117 Multilayer
110 Resistor	0603R	4	R23, R31, R48, R64 5 % 1/16W
120 Resistor	0603R	1	R118 5 % 1/16W
12p Ceramic Capacitor	0603R	1	C158 Multilayer
150 Resistor	0603R	2	R60, R67 5 % 1/16W
150nH	0603R	1	L6 SMD Inductor
18 Resistor	0603R	3	R40, R59, R74 5 % 1/16W
18nH	0603R	2	L4, L9 SMD Inductor
18p Ceramic Capacitor	0603R	1	C155 Multilayer
1K Resistor	0603R	3	R24, R47, R52 5 % 1/16W
1K5	0603R	1	R51 5 % 1/16W

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Resistor				
1K6	1206	1	R41	5% 1/4W
Resistor				
1n	0603R	26	C5, C11, C26, C35, C36, C38	Multilayer
Ceramic Capacitor			C52, C53, C64, C68, C72, C73 C74, C75, C78, C82, C98, C100 C118, C119, C122, C127, C128 C131, C139, C147	
1p	0603R	1	C152	Multilayer
Ceramic Capacitor				
1p5	0603R	1	C150	Multilayer
Ceramic Capacitor				
1u	0603R	4	C13, C34, C63, C79	Multilayer
Ceramic Capacitor				
1u-6.3V	TANT-A	2	C24, C50	Tantalum
Electrolytic Capacitor Type A				
220	0603R	1	R54	5 % 1/16W
Resistor				
220p	0603R	5	C8, C9, C12, C29, C54	Multilayer
Ceramic Capacitor				
22p	0603R	2	C102, C106	Multilayer
Ceramic Capacitor				
270	0603R	2	R61, R62	5 % 1/16W
Resistor				
27p	0603R	1	C148	Multilayer
Ceramic Capacitor				
330	0603R	4	R20, R37, R38, R39	5% 1/16W
Resistor				
33nH	0603R	1	L22	SMD Inductor
33p	0603R	2	C153, C154	Multilayer
Ceramic Capacitor				
39	0603R	1	R63	5 % 1/16W
Resistor				
390nH	0603R	4	L1, L2, L10, L15	SMD Inductor
39nH	0603R	2	L11, L12	SMD Inductor
3p3	0603R	2	C37, C77	Multilayer
Ceramic Capacitor				
470	0603R	1	R57	5 % 1/16W
Resistor				
470nH	0603R	2	L20, L21	SMD Inductor
470p	0603R	4	C43, C69, C97, C112	Multilayer
Ceramic Capacitor				
47u-6.3V	1210	3	C33, C66, C111	Multilayer
Ceramic Capacitor				
49,9	0603R	5	R35, R43, R45, R46, R58	5% 1/16W
Resistor				
4K7	0603R	1	R42	5% 1/16W
Resistor				
560	0603R	4	R19, R27, R53, R116	5 % 1/16W
Resistor				
6,8nH	0603R	5	L3, L5, L16, L19, L25	SMD Inductor
68	0603R	2	R121, R122	5 % 1/16W
Resistor				
680p	0603R	1	C60	Multilayer
Ceramic Capacitor				
68p	0603R	6	C30, C41, C101, C104, C126	Multilayer
Ceramic Capacitor				

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6n8	0603R	1	C138	
Ceramic Capacitor			C57	Multilayer
820	0603R	1	R36	5% 1/16W
Resistor				
82nH	0603R	1	L23	SMD Inductor
8p2	0603R	3	C156, C157, C159	Multilayer
Ceramic Capacitor				
ADF4350-BCPZ	CP-32-3	1	IC10	Analog
Devices - Wideband Synthesizer with Integrated VCO -			CI0641	
DAT-31R5-SP+	CP-20	2	IC3, IC7	MiniCircuits
- Digital Step Attenuator 31.5 dB, 0.5 dB Step			6 Bit - CI0604	
DSW_2	DIP SWITCH 2 P	1	SW1	DIP Switches
2 poles, Half Pitch, Low Profile -			INTE0012	
HB3601S	HB3601S	1	U2	HopeRF -
SAW Filter 36 MHz -			FILTRO0527	
LT5521EUF	QFN16-TAB	2	IC2, IC9	Linear
Technologies - Very High Linear Activity Mixer			3.7GHz - CI0391	
LTC6400CUD-20	QFN16_3x3	1	IC13	Linear
Technologies - 1.8GHz Low Distortion Differential ADC Driver IF -			CI0643	
MABA008639	ETC4	3	T1, T2, T5	MA/COM-
E-Series RF 1:4 Transmission Line Transf			6-1000 MHz - TRAS0048	
MABACT0059	SM-22	2	T4, T6	MA/COM -
Matching transformer 1:1 4.5-3000MHz -			TRAS0036	
MGA-62563	SOT-363	4	IC4, IC6, IC12, IC17	Agilent
Technologies - Current Adj. Low Noise Amplifier			3GHz - CI0355	
N coax		1	P1	N Coaxial
cable RG316 lenght 14 cm -			CAVO00377/A	
N.M.	0603R	19	C58, C70, C134, C135, L13	Multilayer
Ceramic Capacitor				
			L14, L26, L27, L28, R29, R30	
			R33, R50, R78, R80, R82, R99	
			R111, R112	
SBP-6R4-997BP8A	SBP-6R4	1	U1	SGC
Technologies - 6 poles DR Filter			997 MHz +-4 MHz - FILT0066	
Sc30x50	Schermo_30x50	3	SCH1, SCH2, SCH3	Metal Screen
30x50 mm - MECC2153				
SMB	SMB-CS-S	4	P2, P3, P4, P6	SMB Straight
Male Connector - CONN0200				
SOCKET_90°	SOCKET16_90	1	J1	Socket 2x8
pin 90° 2,54mm - CONN1050				
TPS76850Q-PWP	HTSSOP20-TAB	1	IC16	Texas
Instruments - Fast-Transient-Response			1A Low-Dropout Voltage Regulator -CI0544	
TPS79933DDC	SOT23-5	4	IC5, IC11, IC14, IC15	Texas
Instruments - LDO Linear regulator 200mA ultra low noise -			CI0543	
WL1008	RFHIC CP-16	2	IC1, IC8	RFHIC -
Wideband LNA -			CI0603	