

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

Comment	Pattern	Quantity	Components

0 1/16W Resistor	0603R	10	R15, R18, R28, R32, R34, R44 5 %
100n Multilayer Ceramic Capacitor	0603R	34	R49, R75, R87, R105 C1, C3, C6, C20, C31, C32 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 Multilayer Ceramic Capacitor	1206	1	C124
100nH Inductor	0603R	5	L7, L8, L17, L18, L24 SMD
100p Multilayer Ceramic Capacitor	0603R	16	C4, C10, C15, C16, C17, C18 C19, C39, C44, C45, C47, C48 C61, C65, C67, C151
100u-6.3V Thin layer, high capacitance, monolithic ceramic capacitor	1210	1	C120
10K 1/16W Resistor	0603R	20	R1, R2, R3, R4, R5, R6, R7 5 % R8, R9, R10, R11, R12, R13 R14, R16, R17, R21, R22, R25 R26
10n Multilayer Ceramic Capacitor	0603R	10	C14, C27, C28, C62, C76, C90
10p Multilayer Ceramic Capacitor	0603R	17	C91, C99, C115, C136 C21, C22, C23, C42, C46, C55
10u-16V Tantalum Electrolytic Capacitor Type B	TANT-B	7	C81, C85, C86, C89, C92, C93 C94, C95, C105, C116, C149 C2, C7, C25, C40, C121, C125
10u-6V3 Multilayer Ceramic Capacitor	0603R	3	C137 C83, C87, C117
110 Multilayer Ceramic Capacitor	0603R	4	R23, R31, R48, R64 5 %

1/16W Resistor					
120	0603R	1	R118		5 %
1/16W Resistor					
12p	0603R	1	C158		
Multilayer Ceramic Capacitor					
150	0603R	2	R60, R67		5 %
1/16W Resistor					
150nH	0603R	1	L6		SMD
Inductor					
18	0603R	3	R40, R59, R74		5 %
1/16W Resistor					
18nH	0603R	2	L4, L9		SMD
Inductor					
18p	0603R	1	C155		
Multilayer Ceramic Capacitor					
1K	0603R	3	R24, R47, R52		5 %
1/16W Resistor					
1K5	0603R	1	R51		5 %
1/16W 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				
			C138	
6n8	0603R	1	C57	
Multilayer Ceramic Capacitor				
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 -	FILTR00527			
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 -	CAV000377/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			