

## HiQSDR Preselector Module Version 2.6 J

Qty	Name	Value	Case	Description	Supplier
RESISTORS					
1	R10	0.1E	1210	Widerstand / Resistor	Div.
2	R7,R41	10E	0603	Widerstand / Resistor	Div.
25	R16,R17,R18,R19,R20,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35,R36,R37,R38,R39,R57	49E9	0603	Widerstand / Resistor	Div.
2	R42,R52	300E	0603	Widerstand / Resistor	Div.
1	R13	1K8	0603	Widerstand / Resistor	Div.
6	R11,R40,R53,R54,R55,R56	1K	0603	Widerstand / Resistor	Div.
2	R43,R45	2K2	0603	Widerstand / Resistor	Div.
1	R2,R3,R4,R5,R6,R8,R12,R44,R47,R50,R	8K2	0603	Widerstand / Resistor	Div.
11	51	10K	0603	Widerstand / Resistor	Div.
1	R49	12K	0603	Widerstand / Resistor	Div.
2	R9,R48	22K	0603	Widerstand / Resistor	Div.
2	R1,R15	100K	0603	Widerstand / Resistor	Div.
1	R46	220K	0603	Widerstand / Resistor	Div.
RESISTOR ARRAY					
6	RN1,RN2,RN3,RN4,RN5,RN6	4x100E	YC164	Widerstandsarray /Resistorarray	Div.
CAPCITOR					
1	C46	2p2	0603	Kondensator / Capacitor	Div
1	C42	3p3	0603	Kondensator / Capacitor	Div
1	C32	6p8	0603	Kondensator / Capacitor	Div
1	C40	8p2	0603	Kondensator / Capacitor	Div
1	C33	18p	0603	Kondensator / Capacitor	Div
1	C49	22p	0603	Kondensator / Capacitor	Div
2	C38,C44	56p	0603	Kondensator / Capacitor	Div
1	C29	1n	0603	Kondensator / Capacitor	Div
3	C6,C7,C15	10n	0603	Kondensator / Capacitor	Div
22	C1,C4,C8,C12,C20,C21,C22,C23,C24,C25,C28,C34,C36,C37,C39,C41,C45,C52,C53,C56,C57,C58	100n	0603	Kondensator / Capacitor	Div

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2	C18,C19	220n	0805	Kondensator / Capacitor	Div
CAPACITORS / ELECTROLYTIC					
10	C2,C3,C5,C30,C43,C47,C50,C51,C54,C55	1uF/16V CERAMIC	0805	Keramic Capacitor	Div.
4	C26,C27	10uF/6V CERAMIC	0805	Keramic Capacitor	Div.
2	C13,C14	10uF/16 V CERAMIC	0805	Keramic Capacitor	Div.
1	C31	22uF/6V CERAMIC	0805	Keramic Capacitor	Div.
2	C35,C48	OPEN (Not Used)	0603		Div.
1	C11	100uF/16V ALUELKO	SMD_R6X6_ELKO	Elko / Electrolytic Capacitor	Div.
1	C10	100uF/16V ALUELKO	SMD_R7X7_ELKO	Elko / Electrolytic Capacitor	Div.
2	C16,C17	100uF/16V ALUELKO	SMD_R8X6,5_ELKO	Elko / Electrolytic Capacitor	Div.
1	C9	220uF/16V ALUELKO	SMD_R10X8_ELKO	Elko / Electrolytic Capacitor	Div.
CAPACITOR ARRAY					
4	CN1,CN2,CN3,CN4	4x100p	YC164 ARRAY	Capacitor Array	Div.
CHOKES / COILS					
1	L3	FERRITE BEAD	1210	Ferrite Bead	
2	L5,L7	120nH	805	Choke / Drossel	
1	L6	150nH	805	Choke / Drossel	
2	L8,L9	470uH	805	Choke / Drossel	
1	L1	1mH	Panasonic ELL6UHXXM	Leistungsdrossel / Power Choke	Panasonic
1	L2	220uH	Panasonic ELL6UHXXM	Leistungsdrossel / Power Choke	Panasonic
1	L4	DR127/330	DR127	Speicherdrossel 33uH/1.5A	
RF TRANSFORMER					
2	TR1,TR2	ADT4-6T	MINICIRCUITS	RF Transformer 4:1 (200Ohm : 500hm)	
DIODES					
3	D4,D5,D6	MBRS160	SMA	Schottky Diode 1A, 60V	
1	D3	MBRS260TR	SMB	Schokkky Diode 2A 60V	

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2	D9,D12	1PS70SB14	SOT323	Double Diode	
3	D8,D11,D14	1PS70SB15	SOT323	Double Diode	
1	D2	BZX84/C5.6	SOT23/3	Zener Diode 5.6V	
4	D10,D13,D1,D7	LED_SMD YELLOW HighEfficienc	603	LED, Yellow, High Efficiency	
<b>TRANSISTORS</b>					
2	T1,T5	BCR148W	SOT323	Digital NPN Transistor	
1	T2	FDN302P	SOT23/3	Logic FET	
1	T3	BC858	SOT23/3	Universal PNP Transistir	
2	T4,T6	FDT434P	SOT223	Power FET N-Channel	
<b>SEMICONDUCTORS</b>					
1	U1	AD8350-15	MS8E_AD8350	Preamplifier	Analog Devices
2	U2,U3	HMC284MS8G	MSOP8G/HMC	RF Switch SPDT	HITTITE USA
1	IC1	LM22675	PSOP8	Switching Regulator (Optional)	National Semiconductor
1	IC2	TA78L05F	SOT89	Voltage regulator 5V 200mA	
1	IC5	74HCT04	SO14	HCT CMOS 6 x Inverter	
1	IC10	74HCT132	SO14	HCT CMOS 4 x Schmitt Trigger	
2	IC8,IC9	74HCT238_SMD	SO16	HCT CMOS Decoder	
1	IC7	74HCT245_SMD	SO20	HCT CMOS Octal Driver	
3	IC3,IC4,IC6	ULN2003AFW	SO16	Darlington Driver 50V 0.5A	
<b>RELAYS</b>					
29	Rel1,Rel2,Rel3,Rel4,Rel5,Rel6,Rel7,Rel8,Rel9,Rel10,Rel11,Rel12,Rel13,Rel14,Rel15,Rel16,Rel17,Rel20,Rel21,Rel22,Rel23,Rel24,Rel25,Rel26,Rel27,Rel28,Rel29,Rel30,Rel31	HF3	HF3_OMRON	RF Relay 50Ohm AXICOM / OMRON	
1	Rel18	BP1	HF3_OMRON	RF Relay 50Ohm AXICOM / OMRON	
1	Rel19	BP2	HF3_OMRON	RF Relay 50Ohm AXICOM / OMRON	
<b>HEADER / PINS</b>					
1	K1	K1X3	1X03	Precision contact strip 3 pole female	

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1	K2	K1X6	1X06	Precision contact strip 6 pole female	
2	K3,K4	K1X7	1X07	Precision contact strip 7 pole female	
1	J1	MTA04-100	10X04MTA	MTA 100 Header, 4-Pin	
1	J2	MTA03-100	10X03MTA	MTA 100 Header, 3-Pin (Optional)	
<b>CONNECTORS</b>					
25	J3,J4,J5,J6,J7,J8,J9,J10,J11,J12,J13,J14,J15,J16,J17,J18,J19,J20,J21,J22,J23,J24,J25,J26,J27	MICROMATCH_8	MICROMATCH_8 Female	TYCO MicroMatch female connector	
1	X1	Preselector OUT	MICROMATCH_10 Female	TYCO MicroMatch female connector	
1	X2	Preselector IN	MICROMATCH_10 Female	TYCO MicroMatch female connector	
1	Bu1	RF_RX	SMA_EDGE_CONNECTOR PCB 1.56mm	SMA Connector 50Ohm, PCB Flange type	
1	Bu2	RF_TX	SMA_EDGE_CONNECTOR PCB 1.56mm	SMA Connector 50Ohm, PCB Flange type	
1	Bu3	ANT1	SMA_EDGE_CONNECTOR PCB 1.56mm	SMA Connector 50Ohm, PCB Flange type	
1	Bu4	RX_OUT	SMA_EDGE_CONNECTOR PCB 1.56mm	SMA Connector 50Ohm, PCB Flange type	
1	Bu5	TX IN	SMA_EDGE_CONNECTOR PCB 1.56mm	SMA Connector 50Ohm, PCB Flange type	