

Bauelementebedarf des AllbandVFOs

10.08.2009

Platine	Typ	Bauteil	Wert	Device	Package	Description	Firma	Bestellnummer	Preis
Mc-board	C	C15	1,5u	C-EU025-060X050	C025-060X050	Rastermass 2,5mm eventuell Tantal verwenden	Reichelt	TANTAL 1,5/35	0,14 €
Mc-board	C	C1	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C11	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C19	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C2	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C7	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C8	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
Bandumschaltung	C	C2	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
Bandumschaltung	C	C1	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C6	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C21	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C18	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C16	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C20	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C14	100n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
ad9951	C	C4	100p	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 100p	0,05 €
ad9951	C	C15	10n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
ad9951	C	C23	10n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
ad9951	C	C22	10n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
ad9951	C	C3	10n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
Mc-board	C	C11	1n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 1n	0,05 €
Mc-board	C	C12	1n	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 1n	0,05 €
Mc-board	C	C13	22p	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 22p	0,05 €
Mc-board	C	C14	22p	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 22p	0,05 €
Bandumschaltung	C	C4	27p	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 22p	0,05 €
Bandumschaltung	C	C3	27p	C-EUC0805	C0805	CAPACITOR, European symbol	Reichelt	NPO-G0805 22p	0,05 €
400MHz Clock	C	C2	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
400MHz Clock	C	C1	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
Mc-board	C	C17	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
Mc-board	C	C16	100n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 100n	0,05 €
Mc-board	C	C10	10n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
Mc-board	C	C4	10n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
Mc-board	C	C9	10n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
Mc-board	C	C8	10n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €
Mc-board	C	C5	10n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	X7R-G0805 10n	0,05 €

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Mc-board	C	C7	1n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	NPO-G0805 1n	0,05 €
Mc-board	C	C6	1n	C-EUC0805K	C0805K	CAPACITOR, European symbol	Reichelt	NPO-G0805 1n	0,05 €
USB	C	C1	100n	C-EUC1206K	C1206K	CAPACITOR, European symbol	Reichelt	X7R-G1206 100n	0,06 €
USB	C	C2	100n	C-EUC1206K	C1206K	CAPACITOR, European symbol	Reichelt	X7R-G1206 100n	0,06 €
400MHz Clock	C	C3	30p	C-TRIMMCTZ3	CTRIMCTZ3	Trimm capacitor	Reichelt	TZC03 30p	0,42 €
400MHz Clock	C	C5	6p	C-TRIMMCTZ3	CTRIMCTZ3	Trimm capacitor	Reichelt	TZC03 6p	0,42 €
400MHz Clock	C	C6	6p	C-TRIMMCTZ3	CTRIMCTZ3	Trimm capacitor	Reichelt	TZC03 6p	0,42 €
400MHz Clock	C	C4	6p	C-TRIMMCTZ3	CTRIMCTZ3	Trimm capacitor	Reichelt	TZC03 6p	0,42 €
Mc-board	C	C3	10u tantal	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7436	0,52 €
Bandumschaltung	C	C5	10u tantal	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7436	0,52 €
Mc-board	C	C2	10u tantal	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7436	0,52 €
rs232	C	C4	3,3u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7449	0,46 €
rs232	C	C1	3,3u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7449	0,46 €
rs232	C	C3	3,3u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7449	0,46 €
rs232	C	C2	3,3u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7449	0,46 €
ad9951	C	C12	4,7u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7453	0,46 €
ad9951	C	C13	4,7u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7453	0,46 €
ad9951	C	C9	4,7u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7453	0,46 €
ad9951	C	C17	4,7u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7453	0,46 €
ad9951	C	C5	4,7u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7453	0,46 €
ad9951	C	C1	4,7u	CPOL-EUSMCB	SMC_B	POLARIZED CAPACITOR, European symbol	Farnell	145-7453	0,46 €
Mc-board	D	D2	1N4148	DIODE-SOD80C	SOD80C	DIODE	Reichelt	SMD 1N 4148	0,02 €
Mc-board	D	D1	1N4148	DIODE-SOD80C	SOD80C	DIODE	Reichelt	SMD 1N 4148	0,02 €
Mc-board	IC	IC2	7805	78LXX	78LXX	VOLTAGE REGULATOR	Reichelt	uA 78L05	0,12 €
ad9951	IC	IC1	AD9951EP	AD9951EP	QFP-7X7-48		FA	AD9951	25,50 €
USB	IC	IC1	FT232RL	FT232RL	SSOP28		Reichelt	FT 232RL	4,40 €
rs232	IC	IC1	MAX232ECWE	MAX232ECWE	SO16L	RS232 TRANSEIVER	Reichelt	MAX 232 CWE	0,67 €
Bandumschaltung	IC	IC1	PIC16F877P	PIC16F877P	DIL40	MICROCONTROLLER	Reichelt	PIC 16F877A-I/P	4,90 €
Mc-board	IC	IC1	PIC18F452P	PIC16F877P	DIL40	MICROCONTROLLER	Reichelt	PIC 18F4520-I/P	4,50 €
						2x Fassung fuer PIC DIL40	Reichelt	GS 40P	0,96 €
Mc-board	J	J1	Programmer	22-05-7058-05	7395-05	CONNECTOR	Reichelt	PSS 254/5G	0,05 €
Mc-board	J	X4	Mithoerton	22-23-2021	22-23-2021	.100" (2.54mm) Center Header - 2 Pin	Reichelt	PSS 254/2G	0,07 €
Mc-board	J	X13	Sender ein/aus	22-23-2021	22-23-2021	.100" (2.54mm) Center Header - 2 Pin	Reichelt	PSS 254/2G	0,07 €
Mc-board	J	X12	Tastung ein/aus	22-23-2021	22-23-2021	.100" (2.54mm) Center Header - 2 Pin	Reichelt	PSS 254/2G	0,07 €
Mc-board	J	X1	eyer Punkt_Stric	22-23-2031	22-23-2031	.100" (2.54mm) Center Header - 3 Pin	Reichelt	PSS 254/3G	0,07 €

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Mc-board	J	X9	Potikeyer	22-23-2031	22-23-2031	.100" (2.54mm) Center Header - 3 Pin	Reichelt	PSS 254/3G	0,06 €
Mc-board	J	X5	Reserve	22-23-2031	22-23-2031	.100" (2.54mm) Center Header - 3 Pin	Reichelt	PSS 254/3G	0,06 €
Mc-board	J	X10	SWV	22-23-2031	22-23-2031	.100" (2.54mm) Center Header - 3 Pin	Reichelt	PSS 254/3G	0,06 €
ad9951	J	X1	22-23-2051	22-23-2051	22-23-2051	.100" (2.54mm) Center Header - 5 Pin	Reichelt	PSS 254/5G	0,05 €
Mc-board	J	X8	A/D	22-23-2051	22-23-2051	.100" (2.54mm) Center Header - 5 Pin	Reichelt	PSS 254/5G	0,05 €
Mc-board	J	X2	DDS	22-23-2051	22-23-2051	.100" (2.54mm) Center Header - 5 Pin	Reichelt	PSS 254/5G	0,05 €
Mc-board	J	X6	Drehgeber	22-23-2051	22-23-2051	.100" (2.54mm) Center Header - 5 Pin	Reichelt	PSS 254/5G	0,05 €
Mc-board	J	X7	Menuetasten	22-23-2051	22-23-2051	.100" (2.54mm) Center Header - 5 Pin	Reichelt	PSS 254/5G	0,05 €
Mc-board	J	X3	RS232	22-23-2051	22-23-2051	.100" (2.54mm) Center Header - 5 Pin	Reichelt	PSS 254/5G	0,05 €
Bandumschaltung	J	J1	n MC-Board RS2	22-27-2021-02	6410-02	CONNECTOR	Reichelt	PSS 254/2G	0,05 €
rs232	J	J1	22-27-2041-04	22-27-2041-04	6410-04	Kabel wird direkt angeloetet			
Bandumschaltung	J	J4	22-27-2081-08	22-27-2081-08	6410-08	CONNECTOR	Reichelt	PSS 254/8G	0,06 €
Bandumschaltung	J	J2	22-27-2081-08	22-27-2081-08	6410-08	CONNECTOR	Reichelt	PSS 254/8G	0,06 €
Bandumschaltung	J	J3	22-27-2081-08	22-27-2081-08	6410-08	CONNECTOR	Reichelt	PSS 254/8G	0,06 €
rs232	J	X1		F09D	F09D	SUB-D	Reichelt	D-SUB BU 09	0,12 €
400MHz Clock	J	CON2	400MHz	PIN1_75OV	PIN_1,75OV		Reichelt	PSS 254/2G	0,07 €
400MHz Clock	J	CON1	5 Volt	PIN1_75OV	PIN_1,75OV	Fuer alle PINs eine Stiftleiste	Reichelt	SL 1X36G 2,54	0,12 €
USB	J	CON8	5Volt	PIN1_75OV	PIN_1,75OV				
Bandumschaltung	J	CON1	5Volt	PIN1_75OV	PIN_1,75OV				
USB	J	CON4	CTS	PIN1_75OV	PIN_1,75OV				
USB	J	CON5	GND	PIN1_75OV	PIN_1,75OV				
400MHz Clock	J	CON3	GND	PIN1_75OV	PIN_1,75OV				
ad9951	J	CON9	HF_a	PIN1_75OV	PIN_1,75OV				
ad9951	J	CON8	HF_b	PIN1_75OV	PIN_1,75OV				
USB	J	CON3	RTS	PIN1_75OV	PIN_1,75OV				
USB	J	CON2	RXD	PIN1_75OV	PIN_1,75OV				
ad9951	J	CON7	Takt_a	PIN1_75OV	PIN_1,75OV				
ad9951	J	CON6	Takt_b	PIN1_75OV	PIN_1,75OV				
USB	J	CON1	TXD	PIN1_75OV	PIN_1,75OV				
Mc-board	J	CON1	12V	PIN2_5	PIN2_5				
ad9951	J	CON4	5Volt	PIN2_5	PIN2_5				
Mc-board	J	CON2	GND	PIN2_5	PIN2_5				
						Kontakte fuer die Stecker	Reichelt	PSK-KONTAKTE 5x	1,10 €
						Kupplungsleergehaeuse 2P 6x	Reichelt	PSK 254/2W	0,36 €
						Kupplungsleergehaeuse 3P 4x	Reichelt	PSK 254/3W	0,20 €

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						Kupplungsleergehaeuse 5P 7x	Reichelt	PSK 254/5W	0,30 €
						Kupplungsleergehaeuse 8P 3x	Reichelt	PSK 254/8W	0,15 €
USB	J	X1	PN61729-S	PN61729-S	PN61729-S	BERG USB connector	Reichelt	USB BW	0,16 €
ad9951	L	L2	FB43_1	FB43_1	FB1		Reichelt	DFP 3,0	0,11 €
ad9951	L	L4	FB43_1	FB43_1	FB1		Reichelt	DFP 3,0	0,11 €
ad9951	L	L1	FB43_1	FB43_1	FB1		Reichelt	DFP 3,0	0,11 €
ad9951	L	L3	FB43_1	FB43_1	FB1		Reichelt	DFP 3,0	0,11 €
Mc-board	L	L1	33mH	L-EU0204/5	0204/5	INDUCTOR, European symbol	Reichelt	09P 33M	0,31 €
400MHz Clock	L	L4	47u	L-EUL1812	L1812	INDUCTOR, European symbol	Reichelt	LQH3C 47u	0,31 €
400MHz Clock	L	L1		LW4_400MHZ	L4W_400MHZ	Silberdrahtspule 3mm 4Windungen	Reichelt	SILBER 0,8MM	1,65 €
400MHz Clock	L	L2		LW4_400MHZ_A	L4W_400MHZ_A				
400MHz Clock	L	L3		LW4_400MHZ_A	L4W_400MHZ_A				
Mc-board	LCD	U1	CD Anzeige 16x	LCD_DOT	LCD2X16_1		Reichelt	LCD 162C LED	7,15 €
Bandumschaltung	Q	Q1	4MHz	CRYSTALHC49S	HC49/S	CRYSTAL	Reichelt	4,0000-HC49U-S	0,18 €
Mc-board	Q	Q2	18,432 MHz	CRYSTALHC49U-V	HC49U-V	CRYSTAL	Reichelt	18,4320-HC49U-S	0,20 €
400MHz Clock	Q	QG1	80MHz	QG5860	DIL14S	CRYSTAL RESONATOR	Reichelt	OSZI 80,000000	0,95 €
Mc-board	R	R3	220	R-EU_0207/10	0207/10	RESISTOR, European symbol	Reichelt	Metall 220	0,08 €
ad9951	R	R3	100	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 100	0,10 €
ad9951	R	R5	100	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 100	0,10 €
ad9951	R	R2	100	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 100	0,10 €
Mc-board	R	R7	1k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 1k	0,10 €
ad9951	R	R4	1k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 1k	0,10 €
Mc-board	R	R8	1k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 1k	0,10 €
Mc-board	R	R4	2,7k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 2,7k	0,10 €
Bandumschaltung	R	R1	2,7k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 2,7k	0,10 €
Mc-board	R	R10	22k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 22k	0,10 €
Mc-board	R	R6	3,3k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 3,3k	0,10 €
ad9951	R	R1	3,9k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 3,9k	0,10 €
Mc-board	R	R9	4,7k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 4,7k	0,10 €
Mc-board	R	R5	6,8k	R-EU_M0805	M0805	RESISTOR, European symbol	Reichelt	SMD-0805 6,8k	0,10 €
Mc-board	R	R2	10M	R-EU_M1206	M1206	RESISTOR, European symbol	Reichelt	SMD-0805 10M	0,10 €
Mc-board	R	R1	5k	TRIM_EU-CA6V	CA6V	POTENTIOMETER	Reichelt	PT 6-L 5,0k	0,21 €
ad9951	T	T2	T-622	MINICT-622	DIL6		FA	T-622	3,30 €
ad9951	T	T1	T-622	MINICT-622	DIL6		FA	T-622	3,30 €
Mc-board	TR	Q4	BSS123	BSS123	SOT23	N-CHANNEL MOS FET	Reichelt	BSS 123 SMD	0,06 €

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Mc-board	TR	Q1	BSS123	BSS123	SOT23	N-CHANNEL MOS FET	Reichelt	BSS 123 SMD	0,06 €
Mc-board	TR	Q3	BSS123	BSS123	SOT23	N-CHANNEL MOS FET	Reichelt	BSS 123 SMD	0,06 €
ad9951	U	U\$1	1,8V	IRU1206	SOT223		Segor	IRU 1206-18CY	1,50 €
ad9951	U	U\$3	1,8V	IRU1206	SOT223		Segor	IRU 1206-18CY	1,50 €
ad9951	U	U\$2	3,3V	IRU1206	SOT223		Segor	TS 2940 CW-3,3	0,70 €
						Drehgeber 100Impulse Optisch	Segor	M 101 B 100	38,40 €
						Leiterplattensatz FA	FA	[PLS-04]	18,50 €
						Zur Gewinnung von Einzellitzen	Reichelt	LIYCY 25-5	9,95 €
								Gesamt:	134,87 €

Zu dieser Gesamtsumme sind noch die Versandgebuehren hinzuzurechnen.
 Eventuell ist es moeglich die Bauelemente die nur bei Farnell erhaeltlich sind auch von Segor zu beziehen.

vy 73 Andreas DL4JAL