

## BOM\_Display7.2

### DJ0ABR

<u>Qty</u>	<u>Value</u>	<u>Device</u>	<u>Package</u>
8	100	0,1W standard SMD resistor	SMD 0603
1	220	0,1W standard SMD resistor	SMD 0603
1	680	0,1W standard SMD resistor	SMD 0603
12	100k	0,1W standard SMD resistor	SMD 0603
11	10k	0,1W standard SMD resistor	SMD 0603
1	10k/0,1%	0,1W standard SMD resistor	SMD 0603
19	1k	0,1W standard SMD resistor	SMD 0603
34	1kOhm-Ferrit	0,1W standard SMD resistor	SMD 0603
1	1M	0,1W standard SMD resistor	SMD 0603
1	22k	0,1W standard SMD resistor	SMD 0603
1	2k2	0,1W standard SMD resistor	SMD 0603
2	390k/0,1%	0,1W standard SMD resistor	SMD 0603
2	8k2	0,1W standard SMD resistor	SMD 0603
1	OKI-78SR-5/1.5-W36H-C	12V → 5V switching reg.	THT 3pin
7	N-CH_MOSFET	standard Nch Mosfet (Vgs must be <= 2.5v, so it switches with 3,3v logic. Example: IRLML2502)	SOT23
1	IRLML6401	IRLML6401)	SOT23
1	1N4001	SMD Diode	MELF
5	SS110B	SMD Diode	MELF
4	NTS245SFT1G	SMD Diode	SOD-123FL
5	1N4448	SMD Diode	SOD523
1	TFT Display	7 "zoll TFT LCD modul 800x480 SSD1963 Touch PWM	
1	100u/16	electrolytic capacitor	E2,5-7
1	ESP-07S (ESP8266)		
1	Connector 2x20	Fischer	
1	INA193AQDBVRQ1	standard Nch Mosfet (Vgs must be <= 2.5v, so it switches with 3,3v logic. Example: IRF3704S)	SOT23-5
5	IRF3704S	IRF3704S)	D2PACK
2	150141M173100	Full Color Led	PLCC4
5	TS27L2C	low power OP amp	SO08
1	LF33CDT-DPAK	3,3v LDO regulator	DPAK
1	ADR381	voltage reference	SOT23
1	MAX3232	RS232 driver	SO16
1	50k	MINIPOTI-S	MINIPOTI

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1 Pinheader 2x4	Pinheader 2x4	RM 2,54
1 Pinheader 2x6	Pinheader 2x6	RM 2,54
1 Pinheader 1x2	Pinheader 1x2	RM 2,54
1 Pinheader 1x6	Pinheader 1x6	RM 2,54
1 Pinheader 1x2	Pinheader 1x2	RM 2,54
1 Pinheader 1x2	Pinheader 1x2	RM 2,54
1 Pinheader 2x10	Pinheader 2x10	RM 2,54
1 Pinheader 2x3	Pinheader 2x3	RM 2,54
1 Pinheader 2x3	Pinheader 2x3	RM 2,54
1 Pinheader 2x7	Pinheader 2x7	RM 2,54
1 OSC 8MHz	Standard 8 MHz crystal oscillat	7x5mm

57 100n	standard chip capacitor	SMD 0603
5 100n/200V	standard chip capacitor	C1206K
14 10n	standard chip capacitor	SMD 0603
5 10u	standard chip capacitor	SMD 0603
6 10u	standard chip capacitor	C0805
1 10u	standard chip capacitor	C0805K
6 1n	standard chip capacitor	SMD 0603
14 1u	standard chip capacitor	SMD 0603
1 4u7	standard chip capacitor	SMD 0603
9 1u	standard chip capacitorK	SMD 0603K
1 STM32F427VGT6 or STM32F427VIT6	uController	LQFP100
1 TC7662AEP	Voltage Converter	SO-8
1 TL081D	Op Amp	SO08
1 LP2992 3v3	3,3v LDO regulator	SOT23-5
1 WE74451147/47uH	EMI inductor	optional
1 DSP 7.2 PCB		

<b>Parts</b>	<b>Supplier</b>	<b>Order No.</b>
R4, R5, R6, R7, R8, R9, R39, R91 R25 R103 R40, R41, R53, R54, R55, R56, R58, R59, R95, R109, R111, R113 R30, R31, R34, R82, R88, R96, R97, R98, R99, R100, R115 R87 R32, R33, R43, R45, R46, R47, R48, R49, R50, R76, R77, R78, R79, R80, R81, R89, R110, R112, R114 R1, R2, R3, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R92, R93, R94, R101 R35 R75 R102 R83, R84 R85, R86	Würth Elektronik eiSos GmbH or similar SMD ferrite with abt. 300 ohms to 1kohms at 100 MHz	742792641
IC2	www.rs-online.com or similar 5 volts switching regulator with 7805 pinout	796-2138
Q2, Q3, Q10, Q13, Q14, Q15, Q16		
Q1 D1 D9, D10, D11, D12, D13 D6, D7, D14, D15 D2, D3, D4, D5, D16 AVR PC Controller Modul Für Arduino	Eckstein-shop.de	
C1 MOD1 DSP1 IC4	<a href="http://www.rs-online.com">www.rs-online.com</a>	674-2369
Q5, Q6, Q7, Q8, Q9 LED1, LED2 IC5, IC6, IC7, IC8, IC9 IC1 IC11 IC12 R90	Würth Elektronik eiSos GmbH <a href="http://www.rs-online.com">www.rs-online.com</a>	150141M1731 8773040(661-)

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JP7  
JP8  
ST6  
ST3  
ST5  
ST4  
JP6  
JP47  
JP4  
JP5  
OSC1  
C9, C10, C11, C12, C13, C14, C15, C16, C17,  
C18, C19, C20, C21, C22, C23, C24, C25, C26,  
C27, C30, C55, C60, C62, C67, C68, C69, C70,  
C71, C72, C73, C75, C76, C77, C78, C79, C80,  
C90, C91, C92, C93, C94, C95, C96, C97, C98,  
C99, C100, C101, C102, C103, C104, C105,  
C106, C107, C108, C118, C119  
C28, C109, C110, C114, C115  
C5, C33, C34, C35, C36, C37, C38, C49, C51,  
C52, C85, C86, C87, C89  
C6, C7, C8, C46, C50  
C2, C3, C4, C29, C116, C117  
C88  
C53, C56, C59, C111, C112, C113  
C31, C32, C39, C40, C41, C42, C43, C44, C45,  
C47, C48, C61, C63, C74  
C66  
C54, C57, C58, C64, C65, C81, C82, C83, C84  
IC13  
U1  
IC10  
IC3  
L1

[www.rs-online.com](http://www.rs-online.com)

Würth Elektronik eiSos GmbH

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