

BOM_Display7.2 DJ0ABR

Qty	Value	Device	Package	Parts	Supplier	Order No.
8	100	0,1W standard SMD resistor	SMD 0603	R4, R5, R6, R7, R8, R9, R39, R91		
1	220	0,1W standard SMD resistor	SMD 0603	R25		
1	680	0,1W standard SMD resistor	SMD 0603	R103		
12	100k	0,1W standard SMD resistor	SMD 0603	R40, R41, R53, R54, R55, R56, R58, R59, R95, R109, R111, R113		
11	10k	0,1W standard SMD resistor	SMD 0603	R30, R31, R34, R82, R88, R96, R97, R98, R99, R100, R115		
1	10k/0,1%	0,1W standard SMD resistor	SMD 0603	R87		
19	1k	0,1W standard SMD resistor	SMD 0603	R32, R33, R43, R45, R46, R47, R48, R49, R50, R76, R77, R78, R79, R80, R81, R89, R110, R112, R114		
34	1kOhm-Ferrit	0,1W standard SMD resistor	SMD 0603	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	Würth Elektronik eiSos GmbH or similar SMD ferrite with abt. 300 ohms to 1kohms at 100 MHz	742792641
1	1M	0,1W standard SMD resistor	SMD 0603	R35		
1	22k	0,1W standard SMD resistor	SMD 0603	R75		
1	2k2	0,1W standard SMD resistor	SMD 0603	R102		
2	390k/0,1%	0,1W standard SMD resistor	SMD 0603	R83, R84		
2	8k2	0,1W standard SMD resistor	SMD 0603	R85, R86		
1	OKI-78SR-5/1.5-W36H-C	12V → 5V switching reg. standard Nch Mosfet (Vgs must be <= 2.5v, so it switches with 3,3v logic. Example:	THT 3pin	IC2	www.rs-online.dom or similar 5 volts switching regulator with 7805 pinout	796-2138
7	N-CH_MOSFET	IRLML2502) standard Pch Mosfet (Vgs must be <= 2.5v, so it switches with 3,3v logic. Example:	SOT23	Q2, Q3, Q10, Q13, Q14, Q15, Q16		
1	IRLML6401	IRLML6401)	SOT23	Q1		
1	1N4001	SMD Diode	MELF	D1		
5	SS110B	SMD Diode	MELF	D9, D10, D11, D12, D13		
4	NTS245SFT1G	SMD Diode	SOD-123FL	D6, D7, D14, D15		
5	1N4448	SMD Diode	SOD523	D2, D3, D4, D5, D16		
1	TFT Display	7 "zoll TFT LCD modul 800x480 SSD1963 Touch PWM AVR PC Controller Modul Für Arduino			Eckstein-shop.de	
1	100u/16	electrolytic capacitor	E2,5-7	C1		
1	ESP-07S (ESP8266)			MOD1		
1	Connector 2x20	Fischer		DSP1	www.rs-online.dom	674-2369
1	INA193AQDBVRQ1		SOT23-5	IC4		

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	standard Nch Mosfet (Vgs must be <= 2.5v, so it switches with 3,3v logic. Example: IRF3704S)	D2PACK	Q5, Q6, Q7, Q8, Q9		
5 IRF3704S	Full Color Led	PLCC4	LED1, LED2		
2 150141M173100	low power OP amp	SO08	IC5, IC6, IC7, IC8, IC9		Würth Elektronik eiSos GmbH 150141M173100 www.rs-online.com 8773040(661-0246)
5 TS27L2C	3,3v LDO regulator	DPAK	IC1		
1 LF33CDT-DPAK	voltage reference	SOT23	IC11		
1 ADR381	RS232 driver	SO16	IC12		
1 MAX3232	MINIPOTI-S	MINIPOTI	R90		
1 50k	Pinheader 2x4	RM 2,54	JP7		
1 Pinheader 2x4	Pinheader 2x6	RM 2,54	JP8		
1 Pinheader 2x6	Pinheader 1x2	RM 2,54	ST6		
1 Pinheader 1x2	Pinheader 1x6	RM 2,54	ST3		
1 Pinheader 1x6	Pinheader 1x2	RM 2,54	ST5		
1 Pinheader 1x2	Pinheader 1x2	RM 2,54	ST4		
1 Pinheader 1x2	Pinheader 2x10	RM 2,54	JP6		
1 Pinheader 2x10	Pinheader 2x3	RM 2,54	JP47		
1 Pinheader 2x3	Pinheader 2x3	RM 2,54	JP4		
1 Pinheader 2x3	Pinheader 2x7	RM 2,54	JP5		
1 Pinheader 2x7	Standard 8 MHz crystal oscillat	7x5mm	OSC1		www.rs-online.com
1 OSC 8MHz			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		
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 TC7662AEPA	Voltage Converter	SO-8			
1 TL081D	Op Amp	SO08			
1 LP2992 3v3	3,3v LDO regulator	SOT23-5			
1 WE74451147/47uH	EMI inductor	optional			Würth Elektronik eiSos GmbH 74451147 dl1ev@gmx.de
1 DSP 7.2 PCB					