

Bill of Material
Display-06-A

Item	Qty	Ref	Type	Value	Manufacturer	Description	Size	Supplier	Supp. ID
1	1	ST2	613 006 111 21		WUERTH	PIN HEADER 6 POL. 180°	RM2.54	WUERTH	613 006 111 21
2	4	Z1-4		2,7mm	PCB	Drill	107/0		
3	9	C3 C6-7 C9-14		100n	Kemet	CHIP-CAP. 0603 16V X7R 0603	0603	BUERKLIN	53 D 2068
4	2	C5 C8	C0603C100J5GAC	10p/50V	KEMET	CHIP-CAP. 10PF 50V 5% 0603	0603	FARNELL	1414601
5	2	C1 C4	GRM21BR60J106KE19L	10u/6.3V	MURATA	CHIP-CAP. 0805 10uF 6.3V X5R	0805	DIGIKEY	490-1717-1-ND
6	1	C2	GRM31MR71E105KC01L	1uF/25V	MURATA	CHIP-CAP. 1uF/25V X7R	1206	DIGIKEY	490-1789-1-ND
7	1	D1	LL101A	20V/0A2	ITT	SCHOTTKY BARRIER DIODE	1206	BUERKLIN	24 S 3400
8	2	D3 D5	LL4148	75V/0A2	ITT	DIODE MINI MELF	1206	BUERKLIN	24 S 3460
9	1	D2	ESDA6V1U1	6V1	ST	TRANSIL ARRAY 6V1 UNIDIR	SO8	SPOERLE	110263
10	2	C15-16	ECA1VM101	100u/35V	Panasonic	ELKO RADIAL 100yF 35V	RM3,5	RS	228-6767
11	4	BUZ1	F/TMB05	5V/30mA	DIGISOUND	BUZZER-5V-	d12/h9,5	BUERKLIN	36-M-455
12	1	S1	OMF 63	0,1A	SCHURTER	SMD-FUSE	7,4x3,1	BUERKLIN	50 G 152
13	1	C17	EECF5R5U105	1F / 5V5	PANASONIC	Goldcap 1F 5.5V		SOS ELEKTRONIK	31807
14	27	TP1-27	13.70.344		ETTINGER	SOLDER PIN 0,9 mm		BUERKLIN	12 H 6158
15	2	T1-2	BC847B	45V/0A1	SIEMENS	TRANSISTOR NPN SOT23	SOT23	BUERKLIN	12 S 6268
16	1	Q2	FDV304P	25V/0R87	FAIRCHILD	P-CH MOSFET 0A46 2V7G 0W35	SOT23	FARNELL	995-850
17	1	IC2	PIC24FJ128GA006		MICROCHIP	PROZESSOR	TQFP64	FARNELL	
18	1	Q1	XTAL003000 32,768kHz	32,768kHz	C-MAC	SMD-QUARZ	SO4	FARNELL	316-0312
19	3	R4-5 R13		100K	MULTICOMP	CHIP RESISTOR 100K OHM 0.063W 1% 0603 SMD	0603	FARNELL	9330402
20	1	R10		100R	MULTICOMP	CHIP RESISTOR 100 OHM 0.063W 1% 0603 SMD	0603	FARNELL	9330364
21	3	R2-3 R9		1K	MULTICOMP	CHIP RESISTOR 1K OHM 0.063W 1% 0603 SMD	0603	FARNELL	9330445
22	3	R7-8 R11		47K	MULTICOMP	CHIP RESISTOR 47K OHM 0.063W 1% 0603 SMD	0603	FARNELL	9331255
23	1	R12		0R	BEYSCHLAG	MINI-MELF 1% 1/4W	1206	BUERKLIN	06 E 500
24	2	R1 R6		100R	BEYSCHLAG	CHIP RESISTOR 100R OHM 0.063W 1% 1206 SMD	1206	BUERKLIN	06 E 568
25	1	IC4	SN65HVD11D		TEXAS INSTRUMENTS	RS485 INTERFACE TRANSCEIVER 3V3	SO8	FARNELL	1100955
26	1	P1		100K		TRIMM POTI 100K RM15			
27	1	ST1	84953-4		TYCO	ZIF Connector, 1mm, 4pins, Kontakte oben		FARNELL	1245278
28	1	IC3	LM78L05ACM	5V	NATIONAL	VOLTAGE-REG +5V/0,1A	SO8	FARNELL	9489436
29	1	IC1	XC6206P332MR	+3V3/250mA	TOREX	VOLTAGE REGULATOR 3V3 250mA	SOT23	FARNELL	58796980
30	4	ST3-6			WAGO	Cage clamp RM2.5	2,5 x 12,1mm	FARNELL	804769
31	1	D4	BZV55-C13	13V	NXP	ZENER-DIODE 0W5 5% 13V	SOD-80C	FARNELL	1097186