



# **LCD Application Kit P/N 3015**

## **Bill of Materials**

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Description	Manufacturer references	Quantity	Design references
TFT-LCD 320x240 RGB 5.7", 3.3V, -10-+70°	Sharp : LQ057Q3DC12	1	LCD2
LCD-Inverter 4W, single , 690V, 5mA, 5V, -10-+70°	Power Systems (TDK) : PS-L0605-206	1	LCD1
Hex-Standoff, male-female, M3, 15mm, Polyamide	Bürklin : 18H3685 Ettinger : 05.43.150	8	ME1-6;ME11-12
Hexagon nut, DIN 934, M2, A2	Schrauben-Jäger	2	ME7-8
Slotted cheese head screw, DIN 84, M2x12, A2	Schrauben-Jäger	2	ME15-16
Flat washer, DIN 125, M2, Nylon 6	Ettinger : 03.03.013	2	ME9-10
Round-Spacer with self retaining Screw Spacers for M2 L=5mm, Nylon 66	Ettinger : 07.51.405	2	LEH1-2
Connector DC Power Jack, 2.0mm, straight, THT	Kycon : KLDX-0202-A Switchcraft : RAPC-722	1	X1
Connector Receptacle, FFC, 1x33pin, 90°, SMD, RM0.5, ZIF, Bottom Con	Oupiin : 2345-33TD2	1	X2
Connector Header, 2x3pin, straight, press fit, RM2.54, Y=6.7mm	EPT : 972-03009-21	1	X7
Connector Receptacle, FFC, 1x4pin, 90°, SMT, RM1, ZIF, Upper Con	Molex : 522070-485	1	X6
Connector Receptacle, FFC, 1x4pin, 90°, SMT, RM1, ZIF, Upper Con	Pinrex : 212-92-25GB01 Rabbit no: 406-0033	1	X10
Inductor 33μH, 0.08R, 1.6A, SMD 10x10x5mm, -20-+90°	TDK : SLF10145T-330M1R6-PF	1	L1

Description	Manufacturer references	Quantity	Design references
Touch Panel Resistive 5.7", FID-554 4-Wire Series	Fujitsu : N010-0554-T009	1	ME17
Capacitor 100nF, 0805, 50V, X7R, 10%, -55-+125°	AVX : 08055C104KAT2 KEMET : C0805C104K5RAC Samsung : CL21B104KB5NNNC	5	C4;C6;C11;C15-16
Capacitor 10µF, 1210, 16V, X5R, 10%, -55-+85°	Murata : GRM32DR61C106KA01L TDK : C3225X5R1C106KT Samsung : CL32A106KO5NNNC	1	C5
Capacitor 10nF, 0603, 50V, X7R, 10%, -55-+125°	AVX : 06035C103KAT2A KEMET : C0603C103K5RAC Samsung : CL10B103KB8NNNC	1	C10
Capacitor 22pF, 0603, 50V, COG, 5%, -55-+125°	AVX : 06035A220JAT2A KEMET : C0603C220J5GAC Samsung : CL10C220JB8NNNC	3	C1-3
Capacitor Al 100µF, SMD 8.0x10.2mm, 35V, 20%, low ESR, -55-+105°	Panasonic : EEEFK1V101P	2	C7;C9
Capacitor 100nF, 0603, 100V, X7R, 10%, -55-+125°	Murata : GRM188R72A104KA35D	1	C8
BC817-40, Transistor, NPN, SOT23	Infineon : BC817-40	1	V1
Diode Schottky SS36, 60V, 3A, DO214AB, -55-+150°	Fairchild : SS36 NL Vishay : SS36-E3/57T(9AT)	1	V2
LED red, 20mA, 1208, SMT, -30-+85°	Dialight : 597-3021-507F	1	LE1
Fast Rectifier ES1D, 200V, 1A, DO214AC, -50-+150°	Fairchild : ES1D_NL MCC : ES1D-TP	1	V3

Description	Manufacturer references	Quantity	Design references
	Panjit : ES1DTR 1K8 PAN		
Logic Gate, UHS Conf, SC70-6, 1.6-5.5V, -40-+85°	Fairchild : NC7SZ57P6X	1	U5
Cable FFC 33pin, 0.5mm L=120	ES&S : FFC0.50D33-0112L-4-4-10-10SABB	1	KB2
Cable 5pin, L=50mm, 1x Buchse 6pin, RM2.54	E&S : FORTH-51021-0500-IDC-6-0050FK	1	KB1
Cable DC Power Cords Y, L=200mm, 2.1 JK-2*2.1 PLS	Mouser : 172-2111	1	KB4
Cable Flat Ribbon, 50pin, 2xSocket Plug, RM2.54x2.54, L=70mm	ES&S : FORTH-TK02816	1	KB3
Memory EEPROM 24C64, 8KB, I <sup>2</sup> C, SO8,-40-+85°, 400 kHz	ST : M24C64-WMN6P, Microchip : 24LC64-I/SNG	1	U3
Resistor 0R0, 0805, 2A, -55-+125°	Panasonic : ERJ6GEY0R00V Vishay : D12/CRCW0805 200 0R ET1 E3 Yageo : RC0805FR-07JumperL	12	R1-6;R11-12;R18-19; R25;R38
Resistor 10K, 0603, 1%, 63mW, -55-+125°	Panasonic : ERJ3EKF1002 Vishay : D11/CRCW0603 200 10K 1% ET1 E3 Yageo : RC0603FR-0710KL	6	R7-8;R16-17;R22;R40
Resistor 0R0, 0603, 1A, -55-+125°	Panasonic : ERJ3GEOR003V Vishay : D11/CRCW0603 0R ET1 E3 Yageo : RC0603FR-070RL	3	R13;R35-36
Resistor 2K2, 0603, 1%, 63mW, -55-+125°	Panasonic : ERJ3EKF2201V Vishay : D11/CRCW0603 200 2K2 1% ET1 E3 Yageo : RC0603FR-072K2L	1	R39

Description	Manufacturer references	Quantity	Design references
Resistor 3K3, 0603, 1%, 63mW, -55-+125°	Panasonic :ERJ3EKF3301V	1	R23
	Vishay : D11/CRCW0603 200 3K3 1% ET1 E3		
	Yageo : RC0603FR-073K3L		
Resistor 470R, 0603, 1%, 63mW, -55-+125°	Panasonic : ERJ3EKF4700V	1	R21
	Vishay : D11/CRCW0603 200 470R 1% ET1 E3		
	Yageo : RC0603FR-07470RL		
Resistor 47K, 0603, 1%, 100ppm, 63mW, -55-+125°	Panasonic : ERJ3EKF4702V	1	R20
	Vishay : D11/CRCW0603 100 47K 1% ET1 E3		
	Yageo : RC0603FRF0747KL		
Touch Controller ADS7843, 2.7V-5V, SSOP16, -40-+85°	TI : ADS7843E	1	U1
Analog Mux/Demux Switch, FSAL200 Quad 2:1 QSOP16, -40-+85°	Fairchild : FSAL200QSC	1	U4
Step-Down Regulator,A8499 ADJ, SO8, -20-+85°	Allegro : A8499SLJTR-T	1	U2