



2.8" TFT LCD Application Kit

Bill of Materials

Digi document reference number: 90001088

© Digi International Inc. 2009. All Rights Reserved.

The Digi logo is a registered trademark of Digi International, Inc.

All other trademarks mentioned in this document are the property of their respective owners.

Information in this document is subject to change without notice and does not represent a commitment on the part of Digi International.

Digi provides this document “as is,” without warranty of any kind, expressed or implied, including, but not limited to, the implied warranties of fitness or merchantability for a particular purpose. Digi may make improvements and/or changes in this manual or in the product(s) and/or the program(s) described in this manual at any time.

This product could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes may be incorporated in new editions of the publication.

Digi International Inc.

11001 Bren Road East

Minnetonka, MN 55343 (USA)

* +1 877 912-3444 or +1 952 912-3444

<http://www.digi.com>

| Description | Manufacturer references | Quantity | Design references |
|--|---|----------|-------------------|
| Capacitor, SMCAP,100UF 6.3V 20% | PANASONIC: EEEFK0J101UR | 2 | E2 |
| Cable, 6p EDT_LCD_JS SPI Touch | KCC HANDELSGESELLSCHAFT: 16777 | 1 | W2 |
| Display, 2.8" QVGA display w. touch | EMERGING DISPLAY TECH.: ET028002DHU | 1 | DS1 |
| Screws, cross recessed pan head | SCHRAUBEN-JAEGER AG: M3X6, A2 | 4 | H1, H2, H3, H4 |
| Hex-Standoff, male-female, M3 | BURKLIN: 18H2458 | 4 | H5, H6, H7, H8 |
| Header, HTSW, 1x36pin, THT, 11 | CAB PRODUKTTECHNIK: 1001-161-036 SAMTEC:HTSW-136-07-LM-S | 1 | P2 |
| Header, 2x25pin, straight, RM2 | FCI: 95278-101-50LF ADAM TECH: PH2-50UA-SMT SAMTEC: TSM-125-01-L-DV-M-TR | 1 | P1 |
| Receptacle, FFC, 1x50pin | HIROSE ELECTRIC (USA), INC :FH12-50S-0.5SH | 1 | J1 |
| EMI Filter, 0.05R, 2A, 220R/100MHz | MURATA ERIR NO. AMERICA INC: BLM21PG221SN1 MURATA ERIR NO. AMERICA INC: BLM21PG221SN1B MURATA ERIR NO. AMERICA INC: BLM21PG221SN1D MURATA ERIR NO. AMERICA INC: BLM21PG221SN1J | 1 | L1 |
| Capacitor, 10nF, 0603, 50V, X7R, 10%, -5 | AVX CORPORATION: 06035C103KAT2A KEMET ELECTRONICS: C0603C103K5RAC | 2 | C4, C5 |

| Description | Manufacturer references | Quantity | Design references |
|---|--|----------|------------------------|
| Capacitor, 2.2uF, 0805, 6.3V, X7R, 10%, - | MURATA ERIR NO. AMERICA INC: GRM21BR70J225KA01L | 3 | C1, C2, C3 |
| Capacitor, 100nF, 0603, 16V, X7R, 10%, -5 | YAGEO: 06032R104K7B20D SAMSUNG: CL10B104KO5NNNC AVX CORPORATION: 0603YC104KAT2A KEMET ELECTRONICS: C0603C104K4RAC | 4 | C6, C7, C8, C12 |
| Capacitor, 4.7uF, 0603, 6.3V, X5R, 10% | MURATA ERIR NO. AMERICA INC: GRM188R60J475KE19D (T&R 4000) | 2 | C10, C11 |
| Cable, Flat Ribbon Cable, 50pin | ES&S : FORTH-TK02816 | 1 | W1 |
| Resistor, 0R0, 0805, 2A, -55-+125 | VISHAY: D12/CRCW0805 200 0R ET1 E3 PANASONIC: ERJ6GEY0R00V YAGEO : RC0805FR-07JUMPERL | 6 | R1, R3, R6, R7, R8, R9 |
| Resistor, 10K, 0603, 1%, 63mW, -55-+125 | PHYCOMP: 2322 704 61003 VISHAY: D11/CRCW0603 200 10K 1% ET1 E3 PANASONIC: ERJ3EKF1002V YAGEO: RC0603FR-0710KL | 4 | R2, R4, R10, R11 |
| Resistor, 20K, 0603, 1%, 100ppm, 63mW, - | VISHAY: D11/CRCW0603 100 20K 1% ET1 E3 YAGEO: RC0603FRF0720KL PANASONIC: ERJ3EKF2002V | 1 | R5 |

| Description | Manufacturer references | Quantity | Design references |
|--|-----------------------------|----------|-------------------|
| Controller, ADS7843, 2.7V-5V, SSOP16, -40- | TEXAS INSTRUMENTS: ADS7843E | 1 | U1 |
| | | | |
| LED, LTC3215 LED Charge PUMP, DFN10 | LINEAR TECH:LTC3215EDD | 1 | U2 |