



FIM Application Kit

Bill of Materials

Digi document reference number: 90001075

© 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 reference	Quantity	Design references
Connector, socket, press fit, 2x20pin, PC/104	EPT : 962-60206-12	2	P1, P2
Header IDC, 2x10 pin, low profile, RM2.54	Harting : 09 18 520 6324	1	P3
Header terminal strip, 2x4pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-04-07-L-D	7	P4, P5, P7, P18, P38, P39, P40
Header, Sub-D, 9pin, Male, Right Angle	AMP : 1-338168-2	4	P6, P8, P11, P15
Header terminal strip, 2x2pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-02-07-L-D	9	P9, P12-P13, P19-P21, P29-P31
Header terminal strip, 2pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-02-07-L-S	5	P10, P14, P26, P27, P28
Header terminal strip, 2x6pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-06-07-L-D	5	P16, P17, P22, P23, P24
Header 3pin, RM2.5, THT	JST : B3B-XH-A	1	P32
Header terminal strip, 2x8pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-08-07-L-D	2	P33, P34
Header terminal strip, 2x5pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-05-07-L-D	1	P35
Connector, SD Card Header, normal type, SMD	Molex : 54794-0978	1	P36
Header terminal strip, 2x14pin, RM2.54, THT, h=8,38mm	Samtec : HTSW-1-14-07-L-D	1	P37
Connector, USB B-type, right angle, SMD	Kycon : KUSB-SMT-BS1N-B	1	J1
IButton Retainer, d=19.5mm, SMD	Maxim : DS9098P	1	J2
Connector RJ11 Modular jack, 6pin, THT	Molex : 95501-2661	1	J3
Connector, Stereo 3.5mm Audio jack, 5pin, SMD	CUI Inc : SJ1-3515-SMT	1	J4
Shunt, 2 pin, RM2.54, closed, black	Samtec : SNT-100-BK	2	JP17, JP18
Tact Switch, SMD, 6.2x6.2mm	ITTCannon : KSC221J LFS	2	S1, S2
Capacitor, 100nF, 16V, 10%, 0603, X7R	AVX : 0603YC104KAT2A	19	C1-C15, C17, C19, C20, C26
Capacitor, 1µF, 6,3V, 10%, 0603, X5R	Murata: GRM188R60J105 KA01	2	C16, C18
Capacitor, 10pF, 50V, 5%, 0603, COG	AVX : 06035A100JAT2A	5	C21, C22, C23, C24, C25
Capacitor, 22pF, 50V, 5%, 0603, COG	AVX : 06035A220JAT2A	1	C27
Capacitor, 47µF, 10V, Tantal El., Baudform D, 20%	AVX : TAJD476M010R	5	C28, C29, C33, C34, C37
Capacitor, 10nF, 63V, 0805, X7R	AVX : 08055C103KAT2A	2	C30, C31

Description	Manufacturer reference	Quantity	Design references
Capacitor, 100nF, 100V, 10%, 0603, X7R	Murata : GRM188R72A104KA35D	3	C32, C35, C36
LED, 2mA, Green, PLCC2, SMD	Vishay : TLMC3101	15	DS1-DS5, DS10-DS13, DS18-DS23
LED, 2mA, Red, PLCC2, SMD	Vishay : TLMT3100	8	DS6-DS9, DS14-DS17
EMI Filter, 0.35R, 0.2A, 200R/100MHz, 0805	MuRata : BLM21BB201SN1D	2	L1, L2
EMI Filter, 0.05R, 2A, 220R/100MHz, 0805	MuRata : BLM21PG221SN1	1	L3
EMI Filter, 0.05R, 0.5A, 26R/100MHz, 1206	MuRata : BLM31AJ260SN1	3	L4, L5, L6
Resistor, 510R, 1%, 0603	Panasonic : ERJ3EKF5100V	7	R1, R16-R21
Resistor, 10K, 1%, 0603	Panasonic : ERJ3EKF1002V	20	R2-R5, R22, R24, R26-R28, R32-R38, R44-R47
Resistor, 330R, 1%, 0603	Panasonic : ERJ3EKF3300V	8	R6-R13
Resistor, 120R, 5%, 0805	Panasonic : ERJ6ENF1200V	2	R14, R15
Resistor, 100R, 1%, 0603	Panasonic : ERJ3EKF1000V	4	R23, R25, R40, R41
Resistor, 22R, 1%, 0603	Panasonic : ERJ3EKF22R0V	2	R29, R30
Resistor, 1K, 1%, 0603	Panasonic : ERJ3EKF1001V	3	R31, R52, R53
Resistor, 0R, 0603	Panasonic : ERJ3GEOR003V	5	R39, R48, R49, R50, R51
Resistor, 220K, 1%, 0603	Panasonic : ERJ3EKF2203V	2	R42, R43
Oscillator 11.2896MHz, 3.3V, 100ppm, 7x5mm, SMD	Jauch : O11.2896-VX3MH-T1-LF	1	Y1
RS232 transceiver, 3.3V/5V, SSOP20	Maxim : MAX3320TCAP	2	U1, U2
Octal bus transceiver, 3-state outputs, 3.3V, TSSOP20	TI : SN74LVT245BPWR	1	U3
CAN transceiver SN65HVD233, SO8, 3.3V	TI : SN65HVD233D	2	U4, U5
USB Transceiver, 3.3V, 15KV, TSSOP14	Maxim : MAX3454EEUD	1	U6
ESD Protection Diode with Resistor, TSOC6	Maxim : DS9503	1	U7
EEPROM 1Kbit, 1-Wire, 3.3V, TSOC6	Dallas : DS2431P	1	U8
Audio DAC, UDA1334ATS, SSOP16, 3V	NXP : UDA1334ATS	1	U9