

Partlist MSP-EZ430U

Revisions: 12/19/2006 0.5 Initial version
 !!U6 must not be a 16kb-EEPROM!!
 01/08/2007 1.0 J1: signal assignement changed
 04/25/2007 1.0 U6 must be 128kb or larger
 05/08/2007 1.1 layout change
 05/10/2007 2.0 change of PCB name to msp-ez430u
 U3 moved a bit away from J1

Part	Value	Device	Units	Comment
C2, C3	33pF	Kerko0402	2	
C9, C10	22pF	Kerko0402	2	
C1	10nF	Kerko0402	1	
C5, C7, C11, C12, C13	100nF	Kerko0402	5	
C4, C6, C8	1uF/6.3V	Kerko0603	3	
D1	1N4148	Micromelf	1	
J2	USB-A		1	Assmann: A-USB-A-LP/SMT
J1	6pin-Header, male, 1,27mm		1	MPE-GARRY: STL31-6-SG
Q1 FT10A-12,0/16-30-30/27	12MHz	SMD	1	Freqtech:
R1, R2, R3, R15, R25	47k	0402	3	R15, R25 not assembled
R8	6k8	0402	1	
R9, R19, R22	3k3	0402	3	
R12, R21	33k	0402	2	
R4, R5, R6, R7, R18	100R	0402	5	
R14, R16	33R	0402	2	
R17, R20	100k	0402	2	
R13, R23, R24	1k5	0402	3	
R10	10k	0402	1	
R11	15k	0402	1	
U1	MSP430F1612IPM	QFP64PM	1	supplied by TI
U2, U5	SN75240PW	TSSOP8	2	supplied by TI
U3	TPS77301DGK	MSOP8	1	supplied by TI
U4	TUSB3410VF	QFP32	1	supplied by TI
U6	CAT24FC128YI	TSSOP8	1	Catalyst
PCB	40x20mm, 1mm thick, 2 layers		1	solder stop in black

Alternatives for U6:

MICROCHIP:

24AA128-I/ST
24LC128-I/ST
24FC128-I/ST
24AA256-I/ST
24LC256-I/ST
24FC256-I/ST

CATALYST:

CAT24FC128YI
CAT24FC256YI

ATMEL:

AT24C128-10TU-2.7
AT24C128-10TU-1.8
AT24C256-10TU-2.7
AT24C256-10TU-1.8

STM:

M24128-BWDW
M24128-BRDW
M24256-BWDW
M24256-BRDW