

Bill of Material (BOM)

SLC1657 Evaluation Board for Altera FLEX 10KE

BOM Part Number: 170201-02

For board revision: 1.0 – June 25, 2001

QTY	DESCRIPTION	REF DESG	MFG & DISTRIBUTOR	
1	Bag, anti-static transparent, 8 x 10, recloseable	PCB	ULINE:	S-2507 (for 100 pcs)
5	Bumper, rubber, square, grey, 0.5" x 0.5" x 0.23", color: gray	PCB	3M: Digi-Key:	SJ5518-8 SJ5518-8-ND
4	Capacitor, 2200pF, 50V, multilayer ceramic, tol: +/- 10%, type: X7R, pkg: SMT 1206	C4-C7	Panasonic: Digi-Key:	ECU-V1H222KBM PCC222BCT-ND
			Phicomp: Digi-Key:	12062R222K9B20D 311-1171-1-ND
16	Capacitor, 0.1 uF, 25V, multilayer ceramic, tol: +/- 10%, type: X7R, pkg: SMT 1206	C1,C8, C10-C12 C14-C24	Panasonic: Digi-Key:	ECJ-3VB1E104K PCC1883CT-ND
3	Capacitor, 10 uF, 16 V, tantalum electrolytic chip, tol: +/- 20% @ 120 Hz / +20C, pkg: SMT EIA 'B'	C3, C9, C13	Panasonic: Digi-Key:	ECS-T1CX106R PCS3106CT-ND
1	Capacitor, 22 uF, 25 V, tantalum electrolytic chip, tol: +/- 20% @ 120 Hz / +20C, pkg: SMT EIA 'D'	C2	Panasonic: Digi-Key:	ECS-T1ED226R PCS5226CT-ND
1	Connector, 36-pin, female, Centronics printer connector, Right angle, PC mount	J2	NorComp: Digi-Key:	112-036-213-001 1036RF-ND
1	Connector, power, 2.1 mm jack	J1	Cui Stack: Digi-Key:	PJ-202A CP-202A-ND
7	Diode, 1N5817, 1A,	D1-D7	Diodes Inc:	1N5817MCT

	20V, schottky, pkg: SMT MELF		Digi-Key:	1N5817MCT-ND
1	Display, LCD, 16x1 chars, 5x8 dots, 5 VDC	U4	Optrex: Digi-Key:	DMC-16117AN 73-1012-ND
1	Header, 0.1" centers, 5-pin, single row, straight, 0.025" square post, 0.230" lead x 0.120" lead, gold plated: 10 u-inch	J4	Sullins: Digi-Key:	PZC36SAAN S1011-05-ND
1	Header, 0.1" centers, 14-pin, single row, straight, 0.025" square post, 0.230" lead x 0.120" lead, gold plated: 10 u-inch	U4	Sullins: Digi-Key:	PZC36SAAN S1011-14-ND
1	Header, 0.1" centers, 20-pin, dual row, straight, 0.025" square post, 0.230" lead x 0.320" lead, gold plated: 10 u-inch	P1	Sullins: Digi-Key:	PZC36DACN S2011-10-ND
4	Hex nut, 4-40, nylon	U4	Digi-Key:	H616-ND
1	IC, FPGA, Altera FLEX 10KE, temp: commercial, pkg: 208 PQFP	U9	Altera:	EPF10K50EQC208-3
1	IC, oscillator, 5.000 MHz, TTL output, pkg: 14-pin DIP	U8	ECS: Digi-Key:	OECS-50-1-A101A X109-ND
2	IC, PROM, FPGA config, size: 1,048,576 bits, pkg: 8-pin DIP	U5	Altera:	EPC1PC8
3	IC, regulator, LM317, adjustable, pkg: SMT SOT-223	U1, U3, U6	National: Digi-Key:	LM317EMPCT LM317EMPCT-ND
1	IC, timer, LM555, pkg: SMT SO-8	U7	National: Digi-Key:	LM555CM LM555CM-ND
1	Label, permanent adhesive, 1" x 2 5/8", color: white	PCB	Avery: Silicore:	2160 170101-03

1	Label, anti-static, reusable orange, 1.75" x 2.5"	PCB	3M: Digi-Key:	7101 SCP129-ND
1	Potentiometer, 2K ohm, 1 turn, 0.5 watt, +/- 100 ppm/C, sealed, pkg: PCB mount	POT1	Bourns: Digi-Key:	3362P-202 3362P-202-ND
1	Printed circuit board, SLC1657 evaluation for Altera FLEX 10KE	PCB	Silicore:	170201-04
4	Resistor, 33 ohm, 1/8W 5%, pkg: SMT 1206	R6, R8 R10, R11	Panasonic: Digi-Key:	ERJ-8GEYJ330V P33ECT-ND
1	Resistor, 332 ohm, 1/8W 1%, pkg: SMT 1206	R16	Panasonic: Digi-Key:	ERJ-8ENF3320V P332FCT-ND
1	Resistor, 604 ohm, 1/8W 1%, pkg: SMT 1206	R4	Panasonic: Digi-Key:	ERJ-8ENF6040V P604FCT-ND
8	Resistor, 1.00K ohm, 1/8W 1%, pkg: SMT 1206	R2, R3, R13, R14, R15 R17, R21, R26	Panasonic: Digi-Key:	ERJ-8ENF1001V P1.00KFCT-ND
4	Resistor, 2.0K ohm, 1/8W 5%, pkg: SMT 1206	R5, R7, R9, R12	Panasonic: Digi-Key:	ERJ-8GEYJ202V P2.0KECT-ND
1	Resistor, 2.2K ohm, 1/8W 5%, pkg: SMT 1206	R20	Panasonic: Digi-Key:	ERJ-8GEYJ222V P2.2KECT-ND
7	Resistor, 10K ohm, 1/8W, 5%, pkg: SMT 1206	R1, R18, R19, R22-R25	Panasonic: Digi-Key:	ERJ-8GEYJ103V P10KECT-ND
2	Screw, 4-40 x 1/4", galv steel, phillips, panhead	J2	Digi-Key:	H342-ND
4	Screw, 4-40 x 3/8", nylon, phillips, panhead	U4	Digi-Key:	H544-ND
2	Socket, IC, 8 pin, DIP, 0.3" width, 15 u gold plating	U2, U5	AMP: Digi-Key:	2-640463-4 A9408-ND
4	Spacer, 1/4", nylon round	U4	Johnson Components	

	tubular, 4-40 hole, 0.125" long		Digi-Key:	J230-ND
20	Switch, pushbutton, N.O., tactile, 12 mm, force: 160 g, height: 4.3 mm	S1-S20	C&K: Digi-Key:	PTS125SM43 CKN9015-ND
1	Test point, black	J3	Keystone: Digi-Key:	5006 5006K-ND

Notes:

(1) Unless otherwise noted, all part numbers are for loose parts (i.e. not tape & reel).