

DSAT Tester Initial Bill of Materials – 3 May 2004				
Item	Quantity	Reference	Part	Footprint
1	1	C1	1 uF	0805
2	2	C2,C3	10uF 5V	EIA A (3216)
3	2	C4,C5	EEF-UE0E331R	See data sheet
4	1	C6	2.2nF	0805
5	2	C7,C8	EEF-UE0G221R	See data sheet
6	2	C9,C10	EEF-WA1A121P	See data sheet
7	100	C11,C12,C13,C14,C15,C16, C17,C18,C19,C20,C21,C22, C23,C24,C25,C26,C27,C28, C29,C30,C31,C32,C33,C34, C35,C36,C37,C38,C39,C40, C41,C42,C43,C44,C45,C46, C47,C48,C49,C50,C51,C52, C53,C54,C55,C56,C57,C58, C59,C60,C61,C62,C63,C64, C65,C66,C67,C68,C69,C70, C71,C72,C73,C74,C75,C76, C77,C78,C79,C80,C81,C82, C83,C84,C85,C86,C87,C88, C89,C90,C131,C132,C133, C134,C135,C136,C137,C138, C139,C140,C141,C142,C143, C144,C145,C146,C147,C148, C149,C150	1nF	See web notes
8	50	C91,C92,C93,C94,C95,C96, C97,C98,C99,C100,C101, C102,C103,C104,C105,C106, C107,C108,C109,C110,C111, C112,C113,C114,C115,C116, C117,C118,C119,C120,C121, C122,C123,C124,C125,C126, C127,C128,C129,C130,C151, C152,C153,C154,C155,C156, C157,C158,C159,C160	10nF	See web notes
9	1	C161	10uF 6V	EIA A (3216)
10	1	D1	SDM10K45-7	See data sheet

Sheet1

11	1	D2	MBRS340T3	See data sheet
12	1	D3	SDM10K45-7	See data sheet
13	1	JP1	HMA_25x5	Hard metric type "A"
14	1	J1	MOLEX8_156	0.156 in molex straight
15	1	J2	CONN DSUB 25-P	D-Sub 25 pin plug
16	1	J3	CON34A	34 pin header 2 row 0.1 inch
17	1	J4	CON6	6 pin header 1 row 0.1 inch
18	12	J5,J6,J7,J8,J9,J10,J11, J12,J13,J14,J15,J16	HM3x5_LVDS	Pins on hard metric "B" see web no
19	2	J17,J19	SFM-130-02-S-D-A	Samtec – see data sheet
20	2	J18,J20	SFM-110-02-S-D-A	Samtec – see data sheet
21	3	LED1,LED2,LED3	LED	Thru-hole LED
22	1	L1	DT3316P-152	See data sheet
23	1	R1	2.5k	0805
24	3	R2,R9,R36	10k	0805
25	3	R3,R7,R8	VRN	0805
26	3	R4,R5,R6	VRP	0805
27	3	R10,R11,R12	180	0805
28	2	R13,R15	4.7k	0805
29	1	R14	2.7k	0805
30	20	R16,R17,R18,R19,R20,R21, R22,R23,R24,R25,R26,R27, R28,R29,R30,R31,R32,R33, R34,R35	100R	0805, 0603 or 0402
31	2	R37,R38	1k	
32	2	SCL_P1,SCL_P2	CMC-64	1mm 64 pin CMC (PMC) plug
33	1	TP1	CON7	7 pin header 1 row 0.1 inch
34	1	U1	LT1765EFE	TSSOP 16
35	12	U2,U3,U19,U21,U22,U24, U25,U26,U27,U28,U29,U30	74LVT245A/SO	SSOP 20
36	1	U4	XC2V2000BG575	Xilinx BGA575
37	2	U5,U6	XC1804PC44	PC44
38	4	U7,U8,U9,U10	SN65LVDS94	SO-56 (see data sheet)
39	8	U11,U12,U13,U14,U15,U16, U17,U18	SN65LVDS93	SO-56 (see data sheet)
40	1	U20	74LVT574/SO	SSOP 20
41	1	U23	DS90LV031B	TSSOP 16
42	1	U31	LVDT9637	
43	1	Y1	OSC4/SM	See data sheet