

Test Interface Port (TIP) Revised: Tuesday, February 03, 1999
 Board Revision: 1.3

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Bill Of Materials May 10,1999

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Item	Quantity	Reference	Part	Package	MFG & Part Number
1	12	CR1,CR2,CR3,CR4,CR5,CR6, CR7,CR8,CR9,CR10,CR11, CR12	Discrete LED	SOT-23	LUMEX SSL-LX15YGC-RP
2	60	C1,C2,C3,C4,C5,C6,C7,C8, C11,C12,C13,C14,C15,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,C54,C55,C56, C57,C58,C59,C60,C62,C63, C64,C65,C66,C67	0.1uF	805	
3	2	C10,C9	10uF	C CASE, 16V	
4	2	C53,C52	33pf	603	
5	1	C61	22uF	C CASE, 16	
6	1	D1	DIODE	SOT-23	PHILIPS BAT54
7	1	D2	Schottky Barrier Rectifier	DO-214AA	General Semiconductor SS24
8	1	JP1	HEADER 3	TH-3	PHI-03-1-0-GF
9	2	JP2,JP3	HEADER, 1	TH-1	PHI-01-1-0-GF
10	1	L1	INDUCTOR	1206	MOTOROLA BLM31A700S
11	1	P1	60-PIN CONN	TH-60	AMP 104068-6
12	1	P2	BARREL CON, DC POWER	TH-3	KYCON KLD-0202-BC
13	1	P3	HEADER, 2 x 5	TH-10	3M 2510-6002UB
14	1	P4	PARALLEL PORT CONN	TH-25	AMP 747846-2
15	2	P5,P6	SERIAL PORT CONN	TH-9	AMP 747844-5
16	4	P7,P9,P10,P11	HEADER, 2 X 10	TH-20	AMP 103308-5
17	1	P8	10 BASE-T CONN	TH-8	AMP 556591-1
18	20	R1,R2,R3,R4,R9,R13,R14, R22,R23,R72,R73,R74,R75, R76,R77,R78,R79,R100, R101,R117	10K	805	
19	20	R5,R7,R8,R19,R84,R85,R86, R87,R88,R89,R90,R91,R102, R103,R104,R105,R106,R107, R118,R119	1K	805	
20	1	R10	3.3M	805	
21	1	R11	1.2M	805	
22	23	R18,R21,R24,R25,R26,R27, R28,R29,R30,R31,R32,R34, R35,R36,R37,R38,R39,R40,	0	805	

23	12	R41,R42,R66,R98,R108 R58,R59,R60,R61,R62,R63, R64,R65,R109,R110,R111, R114	330	805	
24	1	R67	20K POTENTIOMETER	TH-3	BOURNS 3352-W-1-203
25	8	R68,R69,R70,R71,R80,R81, R82,R83	220	805	
26	1	R99	4.7	805	
27	4	R112,R113,R115,R116	40.2	805	
28	2	SW2,SW1	SWITCH, PUSHBUTTON MICRO	TH-4	ALCOSWITCH FSM4J
29	1	SW3	SWITCH, SLIDE	TH-12	ALCOSWITCH ASF42
30	1	SW4	SWITCH, DIP	TH	AMP 3-435640-9
31	3	U1,U23,U24	BUFFER, 244	TSSOP-48	TI 74ACT16244DGGR
32	1	U2	BUFFER, 245	TSSOP-48	TI 74ACT16245DGGR
33	1	U3	COMPARATOR	MSOP-8	LINEAR LTC1540CMS8
34	1	U4	MOSFET DRIVER	SO8	LINEAR LTC1155
35	1	U5	MOSFET (N-CHAN)	SMT	Temic Si9925DY
36	1	U6	OR GATE	SO14	SGS-THOMSON M74HC4072
37	1	U7	PAL, MACH4 -128	PQFP-100	VANTIS MACH4-128/64-12YC
38	1	U9	DUAL UART	PLCC-68	TI TL16C552FN
39	2	U10,U12	RS232 TRANSCEIVER	SOIC-28	Sipex SP211ECA
40	1	U11	HEX INVERTER	TSSOP-14	MOTOROLA MC74ACT04DT
41	8	U13,U14,U15,U16,U17,U18, U19,U20	Hex Display	TH-12	TI TIL311
42	1	U21	LCD	TH-16	VL ELELCTRICS MDLS-20265K-LV-G
43	1	U22	FLASH, 512K X 8	Dip-32	AMD AM29F040
44	1	U25	LATCH, 373	SSOP-48	TI 74ACT16373DW
45	1	U26	ETHERNET, PCNET II	TQFP-144	AMD AM79C961AVC
46	1	U27	LAN TRANSFORMER	SMT-16	Pulse E2003
47	1	U28	EEPROM	DIP-8	NATIONAL SEMI NM93C56N
48	1	U29	SRAM	TSOP-28	TOSHIBA TC55257DFTI-70V
49	1	X1	CRYSTAL, 20MHz	SMT	ECS ECS-200-20-20A
50	1	Y1	OSCILLATOR, 8.33MHz	SMT	ECLIPTEK EC2500-8.3300M
Accessory Parts					
51	1	32-Dip Socket for FLASH		TH-32	US 0632TLA30/ AMP 2-382470-1
52	1	8-DIP Socket for EEPROM		TH-8	US 0308TLA/ AMP 2-382462-3
53	1	Board Spacer Header - mounts to pin out holes of the LCD		TH-16	Samtec DW-08-08-T-D-312
54	2	Nylon Spacer -- length-.312",OD-3/16", Id-.115"			Concord 750-1019
55	2	Nylon Flat Head screw -- 4-40 x 1/2"			Concord 701-6517
56	2	Nylon Nut -- 4-40 x 1/4"			Concord 701-7570
Interface Cable Parts					
57	2	Ribbon Cable Connector - 60 pin			AMP 1-111196-2
58	1	Ribbon Cable - Cable length between connectors will be 4.5 inches			AMP 2-57038-0
Power Supply					
59	1	DCV Power Supply			Sceptre PS-5020APL06
Non Populate Parts / Item					
60	1	SP1	*SPARE_14	SOIC-14	
61	1	SP2	*SPARE_20	SOIC-20	
62	24	R12,R33,R43,R44,R45,R46, R47,R48,R49,R50,R51,R52, R53,R54,R55,R56,R57,R92,	*	805	

63	5	R93,R94,R95,R96,R97,R20	SHORT TEST POINT	
64	4	S1,S2,S3,S4,S5 SP1,SP2,SP3,SP4		