CrateSum Bill of Materials - buy parts

REFERENCE	Part	Manufacturer	Description	Package	Qty/Bd	Provided by U. of Chicago?	Comments	Spares %	Total Quantity
U60	BRF1A16NB	Lucent	PECL Receiver	SOIC16	1	no		15	19
Tz1	5KP5.0A	Gen.Instr.	Transient Suppressor	Axial Lead	1	yes		15	19
U59	SN74AS04D	TI	Hex inverter	soic14	1	no		15	19
U56 U57 U58	SN74bct760DW	TI	Open Collector Octal Buffer	soic20	3	no		15	56
U151, U32-U55	74fct574aso	IDT	Octal D Register	soic20	25	yes		15	460
U66 U67 U68	74hct244d	Phillips	Octal Buffers	soic20	3	no		15	56
LED2,LED4,LED9	551-0207	Dialight	green LEDs	DIP-2	3	no		15	56
LED3,LED5,LED6,LED8	551-0307	Dialight	yellow LEDs	DIP-2	4	no		15	74
LED1,LED7,LED10	551-0407	Dialight	red LEDs	DIP-2	3	no		15	56
U28	SN74CBT3257D	TI	Quad multiplexer	soic16	1	no		15	19
cd1-cd133, C1 C2 C3 C11	C1206C104K5RAC	KEMET or equiv.	0.1uF / 50V ceramic	1206	137	no	or equivalent	0	2192
C4 C5 C6 C7 C8 C9 C10	PCT3106CT-ND	Panasonic or equiv.	10uf / 16V tantalum	49BC_H	7	no	or equivalent	0	112
FP3 FP4	499141-1	AMP	10 pin connector		2	no		15	37
P3	64785+64176	ERNI	220 pin connector		1	yes	Press In Connector	0	16
P1 P2	0201 160 2101.00	HARTING	160 pin connector		2	yes		0	32
P0	64784	ERNI	95 pin connector		1	yes	Not installed or supplied; press	0	16
test_conn1 test_conn2	5-179009-6	AMP	140 pin SM connector		2	no		15	37
FP1 FP2	FCN-235D020-G/E	Fujitsu	20 pin SCSI II Header		2	no		15	37
U20-U25	ds90c031tm	National	LVDS Driver	soic16	6	no		15	111
U129 U130	EPC1PC8	Altera	PROM	dip8	2	no	Not installed	15	37
U129 U130	KS324-85GG	Advanced Interconnect	dip8 socket	dip8	2	no		15	37
U29	EPF10K70GC503-4	Altera	FPGA	PGA-503	1	no		25	20
U19	EPF10K30BC356-3	Altera	FPGA	BGA-356	1	no		25	20
U18	EPM7128SQC160-7	Altera	EPLD	PQFP-160	1	no		25	20
F1	2-331272-6	AMP	Spring Socket		2	no		15	37
F1	10A Pico-ii fuse	Littelfuse	Fuse	Axial Lead	1	no	Not installed	15	19
S3	GDB10 10 bit sw	C&K	Switch	DIP20	1	yes		15	19
U134-U150	SN74ACT7806-25DL	TI	256x18 Strobed FIFO	ssop56	17	yes		15	313
U61-U64, U158, U159	74FCT541ASO	IDT	Octal Buffer/Receiver	soic20	6	yes		15	111
U131	mdu_38f_10	Data Delay Devices	Delay Line (10ns)	dip8	1	yes		15	19
R9-R18	res,240,1/8W,5%		Resistor	1206	10	no	or equivalent	0	160
R19 R20	res,390,1/8W,5%		Resistor	1206	2	no	or equivalent	0	32
R25-R33	res,1K,1/8W,5%		Resistor	1206	9	no	or equivalent	0	144
R7	res,10K,1/8W,5%		Resistor	1206	1	no	or equivalent	0	16
R6 R8 R34	res,100K,1/8W,5%		Resistor	1206	3	no	or equivalent	0	48
R21-R24	res,1M,1/8W,5%		Resistor	1206	4	no	or equivalent	0	64
R3 R4	766141102GSP	CTS	1K Res Network	soic14	2	no		15	37
U132, U133, U154-U157	smd99f_5110	Data Delay Devices	Delay Line (22ns)	8pin	6	yes		15	111
U152 U153	sn74abte16245dl	TI	16 bit Transceiver	soic48	2	no		15	37
U30 U31	74hct123d	Phillips	Dual Retriggerable One-shot	soic16	2	no		15	37
U69-U128	74LS670	Motorola	4x4 Register File w/Tri State	soic16	60	no		15	1104
S1	7101K2AV2BE	C&K	Toggle Switch		1	yes		15	19
RC1 RC2 RC3 RC4	PRC202750K/500M	CMD	RC-Terminator	soic20	4	no		15	74
TP 1,4,7,10,13,14,15,16,17,20,23,27,30,32,36	5001K	Digi-Key	Miniature test point - black	0.1" x 0.1"	15	no		15	276
TP 2,5,8,11,18,19,21,24,28,31,33,37,38	5000K	Digi-Key	Miniature test point - red	0.1" x 0.1"	13	no		15	240
TP 3,6,9,12,22,25,26,29,34,35,39	5002K	Digi-Key	Miniature test point - white	0.1" x 0.1"	11	no		15	203
P1-2,FP3-4 screw			3-56 x 3/8 S.S. SLTD pan head mach screw		8	no		0	128
P1-2,FP3-4 nut			3-56 S.S. nut		8	no		0	128
FP1-2 screw			2-56 x 1/4 S.S. SLTD pan head mach screw		4	no		0	64
FP1-2 washer			2-56 S.S. split lock washer		4	no		0	64

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Electronics Design Group

Assembly DWG C-2331 Rev A

Bill of materials Version A0

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