Assembly, Parts Listing
bc635VME/bc350VXI Time & Frequency Processor

Ref: Drawing No. 11603 H

Ref: UC 200

May 1, 1996

AS	OPT	BC P/N	MANF P/N	MANUFACTURE	VALUE	DESCRIPTION	QTY#	REF DESIG.
		1420007	B500-8-1.0	CC1		PC BOARD STIFFENER	1.00	NONE
		1501100	CD15CD100D03	CDE	10 PF,500V	DIPPED MICA CAPACITOR .25 R/L	1.00	C66
		1503336	336RMR025M	IC	33 MF,35V	ALUMINUM ELECTROLYTIC CAP.	6.00	C6,24,43,61,62,63
		1504105	196D105X9035HA1	SPRAGUE	1.0 MF,35V	TANTALUM CAP, RADIAL LEADS	1.00	C5
		1506152	SR211C152KAA	AVX	1500 PF,100V	MONO CERAMIC CAPACITOR .2 R/L	2.00	C21,22
		1506153	SR211C153KAA	AVX	15000 PF,100V	MONO CERAMIC CAPACITOR .2 R/L	1.00	C19
		1506332	SR211C332KAA	AVX	3300 PF,100V	MONO CERAMIC CAPACITOR .2 R/L	1.00	C18
		1509102	SR211A102JAA	AVX	1000 PF,100V	MONO CERAMIC CAPACITOR .2R/L	1.00	C27
		1515104	MD015E104MAA	AVX/67349	0.1 MF,50V	DIP GUARD CAPACITOR	23.00	C44-60,64,65,67-70
		1515104	MD015E104MAA	AVX/67349	0.1 MF,50V	DIP GUARD CAPACITOR	31.00	C1-4,7-16,20,25,26,28-32,34-42
		1701200	11602H	DATUM INC, BC	bc635VME/350VXI	PRINTED CIRCUIT BOARD	1.00	PCB1
		2101003	31-221	AMPHENOL	50 OHM	FRONT MNT BNC BULKHEAD RECEP	2.00	J2,3
		2104001	913346	ERNI	96 POS	DIN CONNECTOR, MALE	1.00	P1
		2111010	3591-6002	3M	10 POS	CONTACT HEADER	1.00	J6
		2115030	TSW-130-07-D-S	SAMTEC	30 POS	TERMINAL STRIP	1.00	JP6 (CUT TO 1x3)
		2117061	TSW-130-07-G-D	SAMTEC	2X30 POS	STRAIGHT TERMINAL STRIP	1.00	JP1-3,5=2x2,JP4=2X4
		2124215	869521-1	AMP	15 POS	'D' SKT,.318 RTANG PCMNT B/L	1.00	J1
		2148010	10-2822-90C	ARIES	10 POS	RTANG PCB MOUNT, LED SOCKET	6.00	DS1-6
		2149024	824-AG31D	AUGAT	24 POS	SLIM DIP SOCKET	1.00	REF U27
		2150020	10620-01-445	ANDON/SPECIRA	20 POS	DIP SOCKET	6.00	REF U10,15,21,28,30,38
		2150024	10624-01-445	ANDON/SPECIRA	24 POS	DIP SOCKET	1.00	REF U26
		2150028	10628-01-445	ANDON/SPECIRA	28 POS	DIP SOCKET	1.00	REF U23
		2152028	641746-2	AMP	28 POS	PLCC REC CHIP CARRIER	2.00	REF U24,25
		2152032	821665-1	AMP	32 POS	PLCC REC CHIP CARRIER	2.00	REF U12,13
		2152052	641748-2	AMP	52 POS	PLCC REC CHIP CARRIER	1.00	REF U22
		2152084	PLCC-84-AGN	ADAM TECH	84 POS	PLCC REC CHIP CARRIER	3.00	REF U31,32,33
		2192015	749768	AMP	15 POS	D-SUB,.350 RTANG PCMT MALE	1.00	J4
		2306008	X209	DIGI-KEY	8MHz	HALF SIZE TTL/CMOS CLOCK OSC	1.00	U17
		2401611	11605D	BANCOMM DIV, DATUM	bc635V	FRONT PANEL	1.00	BKT1
		2404600	VME-6U-1450	PHILLIPS COMPONENTS		VME EXTRACTOR HANDLES KIT	1.00	BKT1
		2802002	3341-1S	3M		JACK SCREW KIT	2.00	J1,4
		3703002	LTS360HR	LITEON	HI-BRIGHT	7 SEGMENT DISPLAY, 0.36 INCH	6.00	REF: DS1-6
		3902001	PMB4.8-15-H3	PLAINVIEW INC.	4.8V	NICAD PCMNT BATTERY	1.00	B1
		4305030	RXE030	RAYCHEM		POLYSWITCH	1.00	TD1
		4701101	RC07GF101J	ALLEN BRADLEY	100 OHM,1/4W	FIXED RESISTOR	2.00	R2,14
		4701102	RC07GF102J	ALLEN BRADLEY	1 K OHM,1/4W	FIXED RESISTOR	1.00	R1
		4701103	RC07GF103J	ALLEN BRADLEY	10 K OHM,1/4W	FIXED RESISTOR	10.00	R5,6,7,13,16,18,20,22,26,30
		4701104	RC07GF104J	ALLEN BRADLEY	100 K OHM,1/4W	FIXED RESISTOR	2.00	R8,19
		4701123	RC07GF123J	ALLEN BRADLEY	12 K OHM,1/4W	FIXED RESISTOR	1.00	R3
		4701204	RC07GF204J	ALLEN BRADLEY	200 K OHM,1/4W	FIXED RESISTOR	1.00	R4
		4701240	RC07GF240J	ALLEN BRADLEY	24 OHM,1/4W	FIXED RESISTOR	1.00	R23
		4701332	RC07GF332J	ALLEN BRADLEY	3.3 K OHM,1/4W	FIXED RESISTOR	1.00	R12
		4701393	RC07GF393J	ALLEN BRADLEY	39 K OHM,1/4W	FIXED RESISTOR	5.00	R9,10,27-29
		4701471	RC07GF471J	ALLEN BRADLEY	470 OHM,1/4W	FIXED RESISTOR	2.00	R11,15
		4701472	RC07GF472J	ALLEN BRADLEY	4.7 K OHM,1/4W	FIXED RESISTOR	2.00	R24,25
		4701513	RC07GF513J	ALLEN BRADLEY	51 K OHM,1/4W	FIXED RESISTOR	2.00	R17,21
		4703103	72P103	BECKMAN	10 K OHM,1/2W	SINGLE TURN POTENTIOMETER	1.00	VR2
		4704102	89PR1K	BECKMAN	1 K OHM,1/2W	POTENTIOMETER	1.00	VR1
		4705103	710A103	ALLEN BRADLEY	10 K OHM,1/8W	C-SIP RESISTORS, 10 PIN 'X'	3.00	RP1,2,3
		4801002	2N2222			NPN SWITCHING/AMPLIFIER (TO18)	1.00	Q1
		4802002	2N2907A	MOTOROLA	3P D PKG	PNP SWITCHING/AMPLIFIER (TO18)	1.00	Q2
		4803001	IN914			SILICON DIODE	2.00	CR1,2
		5108001	76SB04	GRAYHILL		4PST DIP SWITCH	1.00	SW2
		5108002	76SB08	GRAYHILL		8PST DIP SWITCH	1.00	SW1
		9002710	74HCT14	RCA	14P DIP PKG	HEX SCHMITT INVERTER	2.00	U11,16
		9006658	74HC374	MOTOROLA	20P DIP PKG	OCTAL D FLIP FLOP	2.00	U43,44
		9006858	MM74F374N	NATIONAL	20P DIP PKG	OCTAL D FLIP FLOP	1.00	U36
		9008657	74HC373	VARIOUS	20P DIP PKG	OCTAL D TRANSPARENT LATCH, T/S	2.00	U14,20
		9015940	SN74ALS688N	TI	20P DIP PKG	8 BIT MAGNITUDE COMPARATOR	1.00	U35
		9102003	MC68HC11E0FN	MOTOROLA	52P PLCC PKG	MICROCOMPUTER	1.00	U22 (SKT)
		9103035	MSM62X42BRS/A	OKI	18P DIP PKG	REAL TIME CLOCK/CALENDAR	1.00	U9
		9103040	82C54-2	INTEL	28P PLCC PKG	PROGRAMMABLE COUNTER TIMER	1.00	U24 (SKT)
		9201030	MC34064P-5	MOTOROLA	3P CASE29-04 PKG	UNDERVOLTAGE SENSING DEVICE	1.00	Q3
		9203005	AD558JN	ANALOG	16P DIP PKG	8 BIT DACPORT	1.00	U19
		9203050	MP7626JP	ANALOG	28P PLCC PKG	A/D CONVERTER	1.00	U25
		9204020	ICM7218CIPI	MAXIM	28P DIP PKG .6W	8 DIGIT LED DISPLAY DRIVER	1.00	U3
		9207070	SN75158P	TI	08P DIP PKG	DUAL 50 OHM TTL LINE DRIVER	3.00	U7,40,41
		9207079	SN75179B	TI	08P DIP PKG	DIFF DRIVER/RECIVER PAIR	2.00	U1,4

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AS	OPT	BC P/N	MANF P/N	MANUFACTURE	VALUE	DESCRIPTION	QTY#	REF DESIG.
		9207615	74HC244	NATIONAL	20P DIP PKG	OCTAL BUFFER/LINE DRIVER	1.00	U29
		9207920	SN74ALS245A-1N	TI	20P DIP PKG	OCTAL BUS TRANSCEIVER	2.00	U34,37
		9207925	SN74ALS641A-1N	TI	20P DIP PKG	OCTAL BUS TRANSCEIVER	1.00	U39
		9306007	LM6321N	NATIONAL	08P DIP PKG	HIGH SPEED BUFFER	1.00	U2
		9306035	TL082	TI	08P DIP PKG	DUAL BIPOLAR JFET OP AMP	2.00	U8,42
		9307030	XR2212CP	EXAR	16P DIP PKG	PHASE LOCKED LOOP	1.00	U5
		9313005	AD586JQ	ANALOG DEVICES	08P DIP PKG	HIGH-PRECISION 5V REF.	1.00	U18
		9404010	IDT7201SA120J	IDT	32P PLCC PKG	FIFO 9 X 512	2.00	U12,13 (SKT)
		9405001	EP600DC-3	ALTERA	24P DIP PKG .3W	EPLD	1.00	U27 (SKT)
		9405015	PAL16L8B	MMI	20P DIP PKG .3W	PAL	6.00	U10,15,21,28,30,38 (SKT)
		9405058	XC3030-50PC84C	XILINX	84P PLCC PKG	PLD	1.00	U31 (SKT)
		9405060	XC3042-50PC84C	XILINX	84P PLCC PKG	PLD	2.00	U32,33 (SKT)
		9406005	2716	VARIOUS	24P DIP PKG .6W	2 K X 8 UV ERASABLE PROM	1.00	U26 (SKT)
		9406040	27C256	VARIOUS	28P DIP PKG .6W	32 K BYTE, CMOS EPROM	1.00	U23 (SKT)
	ANT				bc637V GPS ONLY	ANTENNA OPTION		
	ANT	2193015	HDT15-SD	ADAM TECH/SPECTRA	15 POS	HD D-SUB,SOLDER CUP FEMALE	1.00	ANT
	ANT	9700007	18636/19360-50	TRIMBLE NAV.	ANTENNA	TRIMBLE ACUTIME W/TSI & RS422	1.00	
	BNC					EXT. CABLE PARTS		
	BNC	2106001	31-317	AMPHENOL	50 OHM	BNC JACK, STRIGHT	4.00	
	BNC	2123015	DAE15P	CANNON	15 POS	'D' PLUG	1.00	
	OVN					OVEN OSCILLATOR OPTION		
	OVN	2307001	240-0530AT	MILLIREN TECH. INC.	10 MHz OCXO	OVEN OSCILLATOR	1.00	U6
	VME				bc635VME	OPTION (WITH P2 CONNECTOR)		
	VME	2104001	913346	ERNI	96 POS	DIN CONNECTOR, MALE	1.00	P2
00						STANDARD ASSEMBLY		
00		2305002	C0-401V-AX	VECTRON	10 MHz	VCXO	1.00	U6

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