Bywood Electronics is pleased to be advertising in this, the first issue of 'Personal Computer World', a magazine which, we feel, has a great future and one which will go a long way to educate the engineers and hobbyists in a field of technology which has both present and future applications.

Bywood Electronics is one of industry's leading experts in the technology of clock circuits and their application. With some 72 different circuits, all of which are coupled to displays, they can be used as a teaching tool, or by the enthusiastic amateur. This system is called Monolithic Horometric Integration (MHI), a term which originated at Bywood's and is now accepted nationally as a term for describing digital clock technology and peripheral applications.

Bywood Electronics was the first company to take some of the mystique out of microprocessor usage. The company has designed and produced what are undoubtedly two of the lowest cost microprocessor evaluation kits, SCRUMPI I and II, to appear on the market. Designed around the National Semiconductor SC/MP microprocessor, the kits give invaluable hands-on experience to engineers of all levels of expertise.

Bywood Electronics, distributes all the support devices for the SC/MP microprocessor — RAMs, ROMs etc, and also provides a PROM programming service. The company operates a large software library which includes device information, circuit design for the clock kits, SA400 mini floppy diskette storage drive manuals and the SC/MP support manuals.

CLOCK CHIPS & KITS

TYPE	SPECIAL FEATURES	£CHIP	£KIT
MM5309	7 seg + BCD. RESET ZERO	8.53	12.50
MM5311	7 seg + BCD	4.26	8.00
MM5312	7 seg + BCD 4 DIGIT ONLY	5.65	
MM5313	7 seg + BCD	6.50	
MM5314	7 seg + BASIC CLOCK	4.26	7.00
MM5315	7 seg + BCD RESET ZERO	6.50	
MM5316	Non-mpx ALARM	7.50	
MM5318	7 seg + BCD External digit select	4.93	8.00
MM5371	ALARM. 50 Hz	12.19	
MM5378	CAR Clock. Crystal control. LED	9.86	14.00
MM5379	CAR Clock. Crystal control. Gas discharge	9.86	
MK5025	ALARM. SNOOZE	5.60	9.00
MK50395	UP/DOWN Counter — 6 Decade	12.10	15.10
MK50396	UP/DOWN Counter — HHMMSS	12.10	15.10
MK50397	Up/DOWN Counter — MMSS.99	12.10	15.10
FCM7001	ALARM. SNZ. CALENDAR. 7 seg	9.00	12.50
FCM7002	ALARM. SNZ. CALENDAR. BCD	9.00	
CT7003	ALARM. SNZ. CALENDAR. Gas discharge	9.00	
FCM7004	ALARM. SNZ. CALENDAR. 7 seg	9.00	12.50
AY5. 1202	7 seg. 4 digit	4.76	
AY5. 1230	7 seg. ON and OFF ALARM	5.25	TBA

All above clock kits include clock PC board, clock chip, socket and CA3081 driver IC. MH15378 also includes crystal and trimmers. When ordering kit, please use prefix MHI, e.g. MHI 5309.

BITS & BYTES

74C00	Quad NAND	0.25	
74C04	Hex Inverter	0.25	
74C10	Triple NAND	0.25	
74C42	BCD Decoder	0.95	
74C157	Quad Selector	2.25	
74C163	4 bit counter	1.15	
74C164	PISO register	1.15	
74C165	SIPO register	1.15	
74C173	3S Quad latch	0.95	
74LS139	Dual 2-4 Dec	1.50	
DM8095	3S Hex buffer	1.75	
DM8096	Inv 8095	1.75	
DM81LS95	3S 8 bit buff	1.45	
DM81LS96	Inv 95	1.45	
DM81LS97	3S 4+4 buffer	1.45	
DM81LS98	Inv 97	1.45	
MM2102-2	1Kx1 RAM	2.11	
MM2112-2	256x4 RAM	3.08	
MM74C920	256x4 CMOS RAM	11.83	
XX2114	1Kx4 RAM	24.00	
MM1702Q	256x8 EPROM	11.90	
MM5204Q	512x8 EPROM	10.95	
MM2708Q	1024x8 EPROM	31.15	
	EPROM prices for blank devices		
ER3401	1024x4 EAROM	28.85	
MM5307AA	Baud Rate Gen	12.68	
MM5303	(AY-5-1013) UART	6.34	
Xtal for 5307		TBA	
DM8678	Char Gen	15.20	
	(both CAB & BWF avail.)		

CLOCK MODULES

LT601 Alarm Clock Module, similar to MA1002	6.00
MTX1001 Transformer	0.90

PAYMENT TERMS

Cash with order, Access, Barclaycard (simply quote your number). Credit facilities to accredited account holders. 15% handling charge on goods ordered and paid for then cancelled by customer.
All prices exclude 8% VAT PLEASE SEND 30p POST AND PACKING

DISPLAYS

DL707, 704, 701	0.3"	1.70	Litronix class 2 product
DL727, 728, 721	0.5" (2 dig.)	4.31	DL707E 0.85
DL747, 750, 746	0.6"	2.82	DL727E (2 dig.) 2.00
			DL747E 1.80

MHI DISPLAY KITS

MHI707/4	0.3"	7.60	MHI707E/4 4.30
MHI707/6		11.00	MHI707E/6 5.70
MHI727/4	0.5"	9.70	MHI727E/4 5.30
MHI727/6		13.80	MHI727E/6 7.20
MHI747/4	0.6"	11.40	MHI747E/4 7.20
MHI747/6		17.30	MHI747E/6 9.90

Any one or two of the above MHI display kits will interface directly with any of the MHI clock kits

CASES (with perspex screen)

VERO 1. 8" x 5½" x 3"	3.00
VERO 2. 6" x 3½" x 2½"	3.00

SOCKETS

24, 28 or 40 pin	0.60
Soldercon strip skts. 50 pins	0.30

We stock:

E.T.I. System 68 MPU kits, VDU kits, Case kit. Comprehensive selection of Hardware and Software support. Digital clock chips, kits, displays. Please send SAE for our catalogue.

Products from:

Fairchild, General Instruments, Liton, Litronix, Mostek, Motorola, National Semi, S.M.C., Vero.

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