

ZERO Insertion Force DIL Sockets
24 way 650p; 28 way 820p; 40 way 975p

DIODES	BRIDGE RECTIFIERS (plastic case)
AA119 15	1A/50V 20
BA100 15	1A/100V 22
BY122 12	1A/400V 29
CR033 250	1A/600V 34
OA9 40	2A/50V 35
OA7 12	2A/200V 40
OA70 12	2A/400V 46
OA75 15	2A/600V 65
OA85 15	6A/100V 83
OA90 8	6A/400V 95
OA91 8	6A/600V 125
OA95 8	10A/600V 350
OA200 8	25A/200V 240
IN914 4	25A/600V 955
IN916 5	8Y164 56
IN4001/2 5	VM18 50
IN4003 6	
IN4004/5 6	
IN4006/7 6	
IN4148 4	
IN541 15	
IN5404 16	
IN5406 17	
IN5408 19	
IS44 9	
IS921 40	
6A/100V 50	
6A/400V 55	
6A/800V 65	

SPEAKERS

80 0-3W	2" - 3"	80
40Q 2-5"	80	
64Q 2-5"	80	
80Q 2-5"	80	
8x5" 80 6W		
HF Cone	425	
Piezo Tweeters		
Xovers etc.		
available.		

ALUM. BOXES

3x2x1"	65
4x2x1"	85
4x2x2 1/2"	103
4x4x2 1/2"	120
5x2x1 1/2"	90
5x2x2 1/2"	130
5x4x1 1/2"	99
5x4x2 1/2"	120
6x4x2 1/2"	120
3x4x3"	80
7x5x3 1/2"	180
8x6x3 1/2"	210
10x4 1/2 x 3"	240
10x7x3 1/2"	275
12x5x3 1/2"	260
12x8x3 1/2"	295

OPTO ELECTRONICS

LEDS including Clips	
TIL209 Red 125"	13
TIL211 Green 125"	18
TIL212 Yellow	18
TIL220 Amber	18
0 2" Yel. Grn. Amber	18
Red, Green and Yellow	
Rectangular LEDs.	29
Triangular LEDs R&G	18
0 2" Flashing LED Red	55
0 2" Red/Green LED	65
0 2" Red High Bright	59
N55777 45; OCP71	120
ORP12	86
LD271 Infra Red (emit)	48
TIL32 Infra Red (emit)	52
SH205 (detector)	91
TIL78 (detector)	54

7 Segment Displays

TIL321 5° C.An	115
TIL322 5° C.th	115
DL704 .3" C.Ch	99
DL707 .3" C.Anod	99
DL747 .6" C.Cathod.	180
-8° Orange C.A.	250
FND357 or 500	120
3° Green C.A.	140
1 1/2" Red or Green	150
Bargraph 10 seg.	225

Liquid Crystal Display

3 digit 89p; 4 digit 750p
6 digit LCD 850p


OPTO

2" Attractive chrome Bezel LEDs. Nut fix.	
Ing	
Red	58p
Yellow or green	65p
Filament & Neon Indicators. Sub-miniature matching type.	
Polycarbonate Lens & body. Nut fixing.	
Neons with resistors	
240V Red or Amber	38p
Filaments, avail. in Red, Green & Amber	
6V/40mA, 14V/40mA, or 28V/25mA	54p
4 digit multiplexed display. 6° - 9 segment	
Red GaAsP LED	320p

SPECIAL OFFER

741	1+	50+
NE555	14p	12p
2114-450n	17p	14p
10x4x2	99p	90p
2114L-3	130p	115p
2114L-2	225p	210p
2532	725p	620p
2716	250p	210p
2732	725p	620p
4027	420p	215p
4116	99p	80p
4334-3	325p	195p
6116-3	950p	895p

Just phone your order through, we do the rest.



ANTEX Soldering Irons

C15W	410
CK17W	410
CM15W	420
X25W	410

Spare bits 200
Elements 200
Iron stands 160

Price £39.50

WANDER MIKE

Cordless microphone attractively finished in polished chrome. Operates on FM. All you require is an FM Radio.

(Also supplied is 5 metres of Cable to operate it as conventional Mike).

Price £39.50

GAS & SMOKE DETECTORS

TGSB12	415
813	415
Sockets	40

ULTRASONIC Transducers

40KHz	395p
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DIL SOCKETS (TEXAS)

Low profile	Wire wrap
8 pin	8p 25p
14 pin	10p 35p
16 pin	10p 42p
18 pin	16p 52p
20 pin	22p 60p
22 pin	25p 70p
24 pin	25p 70p
28 pin	28p 70p
36 pin	28p 105p
40 pin	30p 99p

DIL PLUGS (Headers)

14 pin	44p
16 pin	49p
24 pin	88p
40 pin	285p

Ribbon Cable multicoulor

10 way	22p/ft
20 way	40p/ft

D CONNECTORS (Cannon type)

Plugs	Sockets	Covers plastic
9 way	95p	125p
15 way	135p	150p
25 way	198p	284p
37 way	290p	398p

AMPHENOL PLUGS

IEEE 875p, Centronics// 675p

IC Test Clips DIL Gold plated contacts.

8 pin	450	2x10 way	82p
14	275	2x15 way	95p
16	290	2x18 way	140p
18	599	2x22 way	150p
20	899	2x25 way	165p
22	795	2x30 way	185p
24	845	2x36 way	197p
28	925	2x40 way	205p
36	112	2x43 way	250p
40	113		

WATFORD'S ULTIMATE MONITOR IC

A 4K Monitor Chip specially designed to produce the best from your: Superboard Series I & II, Enhanced Superboard & UK101.

WEMON offers these superb facilities: Full screen editing - Fully programmable Cursor control with meaningful symbols on screen - Single Key Basic - Auto remote control of tape recorder (requires only a relay) - Open line facility - Named tape files - Cursor indication of quotes mode - Auto remote list on error (Displays faulty line on carriage return) - Single command save - Centronics compatible printer driver incl. high speed cassette Save & Load.

Monitor functions include: Scrolling - list in data mode - Warm restart vector - list memory - Search memory - Floppy disc Vector - Tabular display of Memory.

Only: £19.95 + 50p p&p.

TRANSFORMERS (mains Prim. 220-240V)

5-0-6V 100mA; 9-0-9V 75mA; 12-0-12V 75mA	98p
8VA type: 6V-5A 6V-5A; 9V-4A 9V-4A; 12V-3A 12V-3A; 15V-2.5A 15V-2.5A 220p	
12VA: 4-5-1.3A; 4-5V-1.3A; 6V-1.2; 6V-1.2A 12V-5A 12V-5A; 275p (30p p&p)	
24VA: 6V-1.5A 6V-1.5A; 9V-1.2A 9V-1.2A; 12V-1A 12V-1A; 15-8A; 15-8A; 20V-6A 20V-6A	320p (44p p&p)
50VA: 6V-4A 6V-4A; 9V-2.5A 9V-2.5A; 12V-2A 12V-2A; 15V-1.5A 15V-1.5A; 20V-1.2A 20V-1.2A; 25V-1A 25V-1A; 30V-8A 30V-8A	395p (60p p&p)
100VA: 12V-4A 12V-4A; 15V-3A 15V-3A; 20V-2.5A 20V-2.5A; 30V-1.5A 30V-1.5A; 40V-1.25A 40V-1.25A; 50V-1A 50V-1A	920p (60p p&p)

(N.B. P&P charge to be added above our normal postal charge).

JUMPER LEADS Ribbon Cable Assembly

Single ended DIP, 24" length Cable	
14 pin	145p
24 pin	240p
Double ended DIP	
6"	185p
12"	198p
24"	210p
36"	230p

SCR's

Thyristors	
0-8A-100V 32	
1A/200V 58	
1A/400V 70	
5A/300V 69	
5A/400V 40	
5A/600V 48	
8A/300V 60	
8A/600V 95	
12A/100V 78	
12A/400V 95	
12A/800V 188	
8T106 150	
8T116 180	
CT106D 38	
TC44 24	
TC45 29	
TC47 35	
2N5022 32	
2N5064 38	
2N4444 130	

VARICAPS

MMVM2	165
MMVM115158	
BA102	30
8K105B 40	
BB106	40

VERO BOARDS 0-1"

2x3x3"	73p	52p
2x5x5"	83p	
3x5x5"	95p	79p
3x17"	325p	211p
4x18"	425p	

ALFAC TRANSFERS

Etch Resist. Full range available. 35p a sheet

Q BOARD

Q Board	150
'DIP Board	330
Vero Strip	144
S100 Board	£14

PERO WIRING PEN and Spool

Spare Wire (Spool) 75p; Combs 6p ea.

FERRIC CHLORIDE

1 lb bag Anhydrous 195p + 50p p&p

DALO ETCH RESIST

Pen + Spare tip 90p

COPPER CLAD BOARDS

Fibre Single-sided	SR8P
Glas Single-sided	9.5"x8.5"
6"x6"	90p
6"x12"	150p

- COMPUTER CORNER**
- **SUPERBOARD II** Series II, New Version, Software selectable Display 24 x 24 or 48 x 12. Ready built & tested - Requires only a 5V/3A PSU to be up and running. Still only **£149**
 - **5V/5A PSU** Ready built and tested **£20**
 - **Attractive Beige/Brown ABS CASE** for Superboard/UK101 **£26**
 - **Extra 4K of RAM** (8 off 2114L-300nS) **£7.95**
 - **Space Invaders** for Superboard **£6**
 - **UK101** - New issue Computik now with new extended Monitor, at the new low price of **£149**
 - **VIDEO GENIE** - A complete system including cassette recorder. Ideal for School/Colleges. Has 16K users RAM, 12K Microsoft Basic in ROM. 64 x 16 line display. **£279**
 - **SEIKOSHA GP80A** - Unihammer Printer, gives normal and double width characters as well as dot resolution graphics 8" tractor feed. Parallel Interface standard. **£195**
 - **EPSON TX80**: A complete 80 column dot matrix printer. Available in tractor or friction feed. Pat compatible graphics. Speed 125 cps. Special offer price **£239**
 - **SOFTY-2**. As reviewed in PE September 1981. The complete microprocessor development system for Engineers & Beginners. New powerful instruction. Accepts any 24 pin 5V single rail EPROM. Supplied fully built, tested & enclosed in a black ABS case. Price incl. encapsulated plug in power supply. **£169**
 - **VIDEO MONITOR 9"** fully cased. B&W. Fully guaranteed. Excellent value for money at only **£69**
 - **TEX EPROM ERASER**. Erases up to 32 ICs in 15-30 min. **£33**
 - **TEX EPROM ERASER** with integral 30 min. Electronic timer **£45**
 - **Spare UV lamp bulbs** **£9**
 - **Full ASC11 coded keyboard type '756'** **£39**
 - **NUMERIC Keypad (Ready built)** **£9**
 - **4 x 4 matrix keypad** (reed switch assembly) **£4**
 - **ASTEC UHF modulators 6MHz £2.80**; 8MHz wide bandwidth **£4.50**
 - **8 1/2" Fan fold paper** (500 sheets) (no VAT) **£6**
 - **9 1/2" Fan fold paper** (500 sheets) (no VAT) **£6**
 - **Teletypewriter Roll** (no VAT) **£3.50**
- (P&P on most of the above items is extra)

VOLTAGE REGULATORS

1A TO3 +ve	-ve
5V 7805 145p	7905 220p
12V 7812 145p	7912 220p
15V 7815 145p	7915 220p
18V 7818 150p	
1A TO220 Plastic Casing	
5V 7805 50p	7905 58p
12V 7812 50p	7912 58p
15V 7815 50p	7915 55p
18V 7818 50p	7918 55p
24V 7824 50p	
100mA TO92 Plastic Casing	
5V 78L05 30p	79L05 65p
8V 78L82 30p	
8V 78L82 30p	
12V 78L12 30p	79L12 65p
15V 78L15 30p	79L15 65p

SWITCHES

SLIDE 250V	TOGGLE 2A	33
1A DPDT	SPST	20
1A DPDT C/OFF 15	DPDT	44
1A DP on/on/off 40	4 pole on off	54

PUSH BUTTON

Spring loaded	
Latching or Momentary 6A	
SP changeover	60
SPST on/off	54
DPDT C/OFF	99
DPDT C/OFF	85
SPDT Biased	105
DPDT tags	88
DPDT C/OFF	88
DPDT Biased	145
3 pole C/OFF	205

MINIATURE

Non Locking	
Push to make	15p
Push break	25p

ROCKER: 5A, 250V, SPST 28p
ROCKER: (white) 10A 250V SPST 38p
ROCKER: With neon lights red when on. 85p
ROCKER: (White) 10A/250V DPDT 72p
ROTARY: "Make-A-Switch" Make your own multiway Switch as required. Shafting assembly has adjustable stop. Accommodates up to 6 Wafers **90p**
Break before make Wafers. Silver contacts.
1 pole/12 way; 2 pole/6 way; 3 pole/4 way; 4 pole/3 way; 6 pole/2 way **65p**
Main DPST Switch to fit **45p**
Screen & Spacers **6p**

ROTARY: (Adjustable Stop Type)
1 pole/2 to 12 way, 2p/2 to 6 way, 3 pole/2 to 4 way, 4 pole/2 to 3 way **45p**
ROTARY: Mains 250V AC, 4 Amp 56p

DIL Switches: (SPST) 4 way 70p; 6 way 85p; 8 way 90p; 10 way 145p; (SPDT) 4 way 190p.

WATFORD'S BOOKSHOP CORNER

Texas TTL Data Book (Revised Edition)	P
Personal Computer Book	630
Illustrating BASIC	390
BASIC with Style	530
A Bit of BASIC	540
Basic Programme Primer	750
Programming in Basic for Business	810
Basic & the Personal Computer	1100
Basic Handbook - 2e	1250
Advanced BASIC	750
BASIC Computer Games	550
More BASIC Computer Games	550
Some Common BASIC Programs	1150
Practical BASIC Programs	1250
6502 Software Design	900
6502 Application Book	960
Programming the 6502 (C202)	1050
Programming & Interfacing the 6502	1100
6502 Assembly Language Programming	1350
6800 Assembly Language Programming	1100
6809 Assembly Language Programming	1390
Practical Intro to PASCAL	500
Using CP/M: A self teaching guide	740
8080A/8085 Assembly Lang. Programming	1250
Z80 Instruction Handbook	390
Z80/Z80 Assembly Lang. Programming	650
Z80 Microcomputer Handbook	750
8080/Z80 Assembly Lang. Techniques	840
Programming the Z80 (C280)	1060
Z80 Assembly Language Programming	1350
Intro to TRS-80 Graphics	690
TRS80 BASIC - A self teaching guide	720
ZX80 Pocket Book	520
30 programs for the Sinclair ZX80	700
Making the most of your ZX80	790
32 BASIC Programs for PET Computer	1250
PET and the IEEE 488 Bus (GP1B)	1100
PET Graphics	1000

Please add 55p P&P charge on books. (No VAT on Books.)