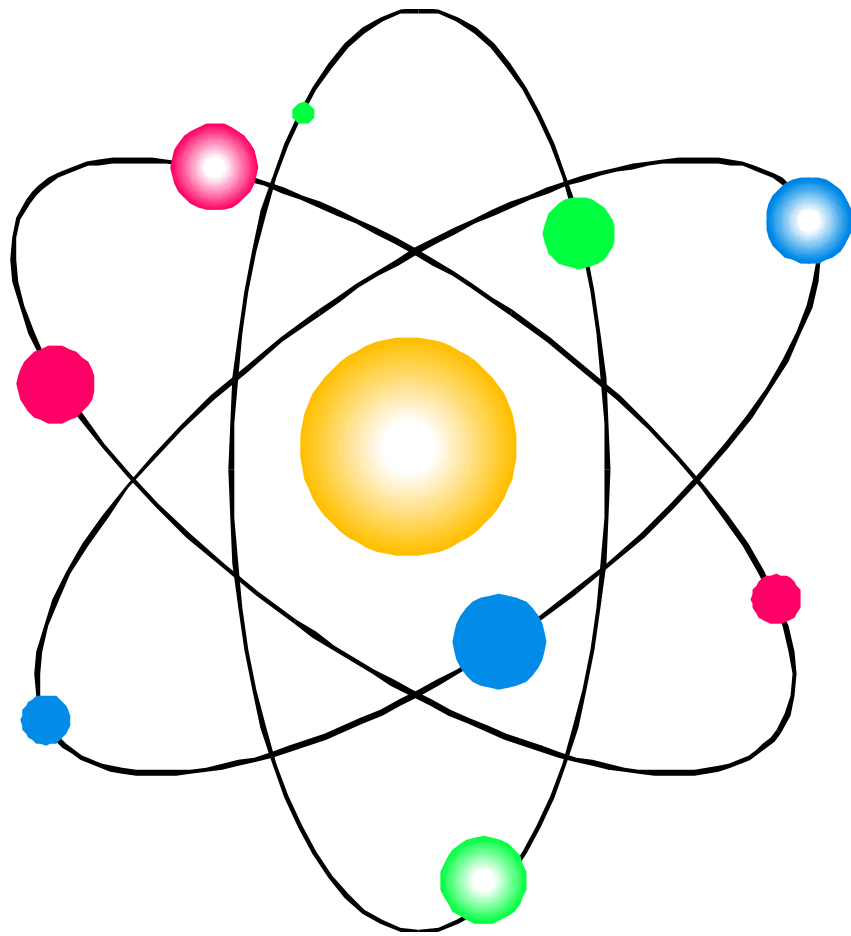


Component Stock List



Edition 6 July 2004

Obtaining Stores Components & Data Sheets

How to obtain components from the Stores

- The lab technicians in your work area are responsible for the issuing of components from the stores.
- Each item has a unique code to identify it. For example “SEM 05/0020” on page 14 refers to a 741 op amp. Write the code, the quantity required and a brief description, on a “Stores Requisition Form”. Give the form to the technician in your work area. Forms are available in each lab.
- *Final year students are required to fill in price information on the form*, as this will be used to control individual budgets. Price information should not include V.A.T. (value added tax), as this is accounted for in the student budget allocation. Please note that prices given in this booklet do not include V.A.T.

Data Sheets

All of semiconductors and some opto devices listed in this document have data sheets available in Adobe PDF format. These may be down loaded as required and viewed using Adobe Acrobat Reader v4.05 or higher.

<http://midas.herts.ac.uk/c460/html/linear.html>

For data sheets on components other than those held by the Stores I suggest you go to the relevant manufacturer’s web site. A list of manufactureres web sites can be found at

<http://midas.herts.ac.uk/c460/html/manufacturers.html>

Downloading large files is best done early in the morning before the University server gets too clogged with traffic.

Contents

Section	Component	Comm. Code	Page
Audio	Audible Warning Devices	AUD 01	1
	Ear Phones	AUD 02	1
	Speakers	AUD 03	1
	Electret Microphone	AUD 04	1
Boxes & Accessories	Batteries & Connectors	BAT 01	1
	Boxes, Abs	BOX 01	1
	Feet, Rubber	BOX 05	1
Cable & Cable Accessories	Audio Cable	CAB 01	2
	Coaxial Cable	CAB 02	2
	Mains Flex	CAB 05	2
	Prototyping Wire	CAB 06	2
	Ribbon Cable	CAB 07	2
	Cable Clamping	CAB 20	2
	Grommets	CAB 21	2
	Heat Shrink Tubing	CAB 22	2
	Sleeving	CAB 24	2
	Strain Reliefs	CAB 25	3
Capacitors	Decoupling	CAP 02	3
	Variable	CAP 03	3
	Ceramic	CAP 04	3
	Polystyrene	CAP 05	4
	Polyester Film	CAP 06	4
	Tantalum	CAP 07	4
	Electrolytic	CAP 08	4
Connectors Audio, Video, RF	DIN Audio	CON 01	5
	Jack	CON 04	5
	Phono	CON 06	5
	BNC Series	CON 09	5
Connectors IDC	IDC 'D' Type, Male, Plug	CON 10	5
	IDC 'D' Type, Female, Socket	CON 11	5
	IDC Header, Female, Socket (Mates with CON 16)	CON 14	5
	IDC Centronics	CON 15	5
	IDC DIL Plug (Fits ic sockets)	CON 59	7
D Type & Covers	Solder, D' Type, Male, Plug	CON 22	6
	Solder, D' Type, Female, Socket	CON 24	6
	Covers', D' Type	CON 46	6
Connectors Signal, Data, Test	PCB Header, Male, Plug (Mates With CON 14)	CON 16	6
	4mm Plug and Sockets	CON 40 - 42	6
	Crocodile	CON 44	7

Contents

Section	Component	Comm. Code	Page
Connectors	Dual-in-Line (DIL) socket.....	CON 48.....	7
IC Sockets	Single-in-Line (SIL) socket.....	CON 49.....	7
	Plastic lead chip carrier (plcc).....	CON 50.....	7
	IDC DIL Plugs (fits ic socket)	CON 59.....	7
Connectors	PCB Connection Headers & Sockets	CON 60	7
PCB Connection	PCB connection system comprising end stackable crimp termination socket connectors designed to mate with rigid PCB mounting pin headers Screw Terminal, PCB mounting.....	CON 62	8
Connectors	Telephone	CON 61	7
TV & Telephone	Television Style, Coaxial.....	CON 81	8
	Scart	CON 88	8
Fasteners & Hardware	Screws, nuts, washers (metric).....	FAS 01	8
	Screws, self tapping	FAS 02	8
Ferrites & Inductors	Ferrites.....	FER 01.....	8
	Inductors	FER 02.....	8
Fuses	Fuses, 20mm, quick blow	FUS 01	8
	Fuses, 20mm, slow blow	FUS 02.....	8
	Fuses, mains	FUS 03.....	8
	Fuse holders.....	FUS 05.....	9
Opto Electronics ..	LEDs & Displays	OPT 01.....	9
	Liquid crystal displays.....	OPT 02.....	9
	Alpha numeric 16x1 and 20x2 displays are available	OPT Info.....	9
	Fibre optics	OPT 03.....	9
	Infra-red emitters & receivers.....	OPT 04	9
	Opto Switches (position sensing).....	OPT 05.....	9
PCB & Prototyping	Stripboard	PCB 01.....	9
	Terminal pins	PCB 02.....	9
	Board supports & standoffs.....	PCB 03.....	9
Relays	Relays	REL 01	9
Resistors	Resistors, standard	RES 01.....	10
	Resistors, SIL	RES 03.....	11
	Resistors, single-turn trimmers.....	RES 12.....	11
	Resistors, multi-turn	RES 13.....	11
	Potentiometers, single turn, log.....	RES 17.....	12
	Potentiometers, single turn, linear.....	RES 17.....	12

Contents

Section	Component	Comm. Code	Page
Semiconductors ... Discrete	Bridge Rectifiers	SEM 18.....	13
	Diodes.....	SEM 19.....	13
	Zener Diodes	SEM 20.....	13
	Transistors.....	SEM 21.....	13
	Thyristors & Triacs	SEM 22.....	13
	Voltage Regulators	SEM 17.....	14
Semiconductors Integrated Circuits	Analogue switches.....	SEM 03.....	14
	A/D & D/A convertors	SEM 04.....	14
	Op Amps.....	SEM 05.....	14
	Comparators.....	SEM 07.....	14
	LCD drivers.....	SEM 09.....	14
	Eproms	SEM 10.....	14
	F/V & V/F convertors	SEM 11.....	14
	RS232 line drivers & receivers.....	SEM 12.....	14
	Microprocessors & Support ics.....	SEM 13.....	15
	Phase Locked Loops	SEM 14.....	15
	Static RAMs	SEM 15.....	15
	Timers.....	SEM 16.....	15
	Keyboard Encoders.....	SEM 23.....	15
	Power Supply & Driver ics.....	SEM 24.....	15
	74HC series	SEM 25.....	15
	4000 series	SEM 30.....	16
74 series, TTL.....	SEM 35.....	16	
Sensor Interface ICs.....	SEM 36.....	16	
Quartz Crystals	Quartz Crystals	SEM 08.....	17
Heatsinks	Heatsinks	SEM 40.....	17
Switches	Toggle	SWI 01	17
	Slide	SWI 03	17
	Push.....	SWI 04	17
	Rotary	SWI 05	17
	DIL.....	SWI 06	17
	Keypad.....	SWI 10	17
Transducers & Sensors	Temperature Sensor	XDU 01.....	17
	Ultrasonic Tx & Rx.....	XDU 01.....	17

July. 2004

AUDIO, BATTERIES AND BOXES

Code	Part Description	Price	Supplier	Supplier Code
AUD 01	AUDIBLE WARNING DEVICES			
AUD 01/0010	Buzzer,miniature piezo,3-30V DC	£0.65	Rapid	35-0115
AUD 02	EAR PHONES			
AUD 02/0010	Earphone,magnetic,8 OHM	£0.27	Rapid	35-0160
AUD 03	SPEAKERS			
AUD 03/0010	Speaker,miniature,8 OHM,38mm DIA	£0.86	Rapid	35-0125
AUD 04	MICROPHONES			
AUD 04/0010	Electret Microphone	£0.38	Rapid	35-0190
BAT 01	BATTERIES & CONNECTORS			
BAT 01/0010	PP3 / MN1604 9V	£2.70	Rapid	18-3275
BAT 01/0020	PP3 CONNECTOR	£0.10	Rapid	18-0094
BOX 01	BOXES, ABS			
BOX 01/0010	Box,standard,ABS, 112 x 62 x 31mm	£2.69	RS	502-635
BOX 01/0020	Box,standard,ABS, 150 x 80 x 50mm	£3.10	RS	502-657
BOX 05	FEET, RUBBER			
BOX 05/0010	Foot,rubber,stick on,12.7mm square	£0.04	Rapid	31-0506

CAPACITORS

Code	Part Description	Price	Supplier	Supplier Code
CAB 01	AUDIO CABLE			
CAB 01/0010	Twin,speaker,7/0.25mm,figure 8/m	£0.05	Rapid	01-0162
CAB 01/0020	Twin,individually screened,10/0.1mm/m	£0.18	Rapid	02-0112
CAB 02	COAXIAL CABLE			
CAB 02/0010	Coaxial cable,type RG58C/U,50 ohm/m	£0.24	Rapid	02-0220
CAB 02/0020	Coaxial cable,type RG59B/U,75 ohm/m	£0.26	Rapid	02-0225
CAB 05	MAINS FLEX			
CAB 05/0010	Mains,3 core 2183Y,white,0.50mm,3A/m	£0.18	Rapid	01-0240
CAB 05/0020	Mains,3 core 3183Y,white,0.75mm,6A/m	£0.27	Rapid	01-0262
CAB 06	PROTOTYPING WIRE			
CAB 06/0010	Wrapping wire,KYNAR,30 AWG,YELLOW	£3.70	RS	209-4798
CAB 06/0020	Wrapping wire,KYNAR,30 AWG,BLUE	£3.70	RS	209-4805
CAB 06/0030	Wrapping wire,KYNAR,30 AWG,RED	£3.70	RS	209-4811
CAB 06/0040	Wrapping wire,KYNAR,30 AWG,WHITE	£3.70	RS	209-4827
CAB 06/0050	Wrapping wire,KYNAR,30 AWG,GREEN	£3.70	RS	209-4833
CAB 06/0060	Wrapping wire,KYNAR,30 AWG,BLACK	£3.70	RS	209-4849
CAB 07	RIBBON CABLE			
CAB 07/0010	Ribbon cable,standard,20 way,GREY/m	£0.40	Rapid	01-0177
CAB 07/0011	Ribbon cable,standard,20 way,RAINBOW/m	£1.00	Rapid	01-0212
CAB 07/0020	Ribbon cable,standard,26 way,GREY/m	£0.51	Rapid	01-0182
CAB 07/0030	Ribbon cable,standard,34 way,GREY/m	£0.66	Rapid	01-0187
CAB 07/0040	Ribbon cable,standard,40 way,GREY/m	£0.78	Rapid	01-0192
CAB 20	CABLE CLAMPING			
CAB 20/0010	Clip,metal,adhesive base,cable 6mm Max	£0.04	RS	543-923
CAB 20/0020	Clip,metal,adhesive base,cable 9.5mm max	£0.05	RS	543-939
CAB 20/0030	P Clamp,nylon,size 1,cable 6.4mm nom.	£0.02	RS	819-387
CAB 20/0040	P Clamp,nylon,size 2,cable 9.5mm nom.	£0.02	RS	819-393
CAB 20/0050	P Clamp,nylon,size 3,cable 12.7mm nom.	£0.02	RS	819-400
CAB 20/0060	Cable tie,nylon,100 x 2.5mm	£0.01	Rapid	04-0505
CAB 20/0070	Cable tie,nylon,140 x 3.6mm	£0.01	Rapid	04-0510
CAB 20/0080	Cable tie,nylon,188 x 4.8mm	£0.02	Rapid	04-0515
CAB 20/0090	Tie base,adhesive,max tie width = 2.5mm	£0.08	RS	666-751
CAB 20/0100	Tie base,adhesive,max tie width = 3.6mm	£0.04	Rapid	04-0560
CAB 20/0110	Tie base,adhesive,max tie width = 5.0mm	£0.04	Rapid	04-0565
CAB 20/0120	Lacing cord,black,0.75mm	£0.11	RS	554-080
CAB 21	GROMMETS			
CAB 21/0010	Grommet,moulded,cable,4.0mm,panel 6.3mm	£0.04	RS	543-197
CAB 21/0020	Grommet,moulded cable,6.3mm,panel 9.5mm	£0.03	Rapid	04-0122
CAB 21/0030	Grommet,moulded cable,9.5mm,panel 12.7m	£0.04	Rapid	04-0127
CAB 21/0040	Grommet,sleeved cable,6.3mm,panel 9.5mm	£0.03	Rapid	04-0202
CAB 22	HEAT SHRINK TUBING			
CAB 22/0010	Heat shrink,black, 1.6 > 0.8mm	£0.60	Rapid	03-0500
CAB 22/0020	Heat shrink,black, 2.4 > 1.2mm	£0.66	Rapid	03-0505
CAB 22/0030	Heat shrink,black, 3.2 > 1.6mm	£0.70	Rapid	03-0510
CAB 22/0040	Heat shrink,black, 4.8 > 2.4mm	£0.70	Rapid	03-0515
CAB 22/0050	Heat shrink,black, 6.4 > 3.2mm	£0.85	Rapid	03-0520
CAB 22/0060	Heat shrink,black, 9.5 > 4.8mm	£1.20	Rapid	03-0525
CAB 22/0070	Heat shrink,black, 12.7 > 6.4mm	£1.40	Rapid	03-0530
CAB 24	SLEEVING			
CAB 24/0010	Sleeve,silicon rubber,black,1mm bore	£0.28	RS	399-394
CAB 24/0020	Sleeve,silicon rubber,red, 2mm bore	£0.22	RS	399-445

CAPACITORS

Code	Part Description	Price	Supplier	Supplier Code
CAB 25 STRAIN RELIEFS				
CAB 25/0010	Bush, strain relief, type 1, cable 6mm nom.	£0.05	Rapid	04-0255
CAB 25/0020	Bush, strain relief, type 2, cable 7mm nom	£0.06	Rapid	04-0260
CAB 25/0030	Bush, strain relief, type 3, cable 8mm nom.	£0.06	RS	543-888
CAP 02 CAPACITORS, DECOUPLING				
CAP 02/0010	Capacitor, multilayer ceramic, 10nF	£0.02	Rapid	08-0260
CAP 02/0015	Capacitor, multilayer ceramic, 47nF	£0.02	Rapid	08-0265
CAP 02/0020	Capacitor, multilayer ceramic, 100nF	£0.02	Rapid	08-0270
CAP 03 CAPACITORS, VARIABLE				
CAP 03/0010	Capacitor, trimmer 2.0 to 22pF	£0.32	Rapid	12-0105
CAP 03/0020	Capacitor, trimmer 5.5 to 65pF	£0.45	Rapid	12-0110
CAP 04 CAPACITORS, CERAMIC				
CAP 04/0010	Capacitor, ceramic plate, low K, 1.8pF	£0.08	Rapid	08-0400
CAP 04/0020	Capacitor, ceramic plate, low K, 2.2pF	£0.08	Rapid	08-0405
CAP 04/0030	Capacitor, ceramic plate, low K, 3.3pF	£0.08	Rapid	08-0415
CAP 04/0040	Capacitor, ceramic plate, low K, 4.7pF	£0.08	Rapid	08-0425
CAP 04/0050	Capacitor, ceramic plate, low K, 6.8pF	£0.08	Rapid	08-0435
CAP 04/0060	Capacitor, ceramic plate, low K, 10pF	£0.08	Rapid	08-0445
CAP 04/0070	Capacitor, ceramic plate, low K, 15pF	£0.08	Rapid	08-0455
CAP 04/0080	Capacitor, ceramic plate, low K, 22pF	£0.08	Rapid	08-0465
CAP 04/0090	Capacitor, ceramic plate, low K, 33pF	£0.08	Rapid	08-0475
CAP 04/0100	Capacitor, ceramic plate, low K, 47pF	£0.08	Rapid	08-0485
CAP 04/0110	Capacitor, ceramic plate, low K, 56pF	£0.10	Rapid	08-0490
CAP 04/0120	Capacitor, ceramic plate, low K, 68pF	£0.10	Rapid	08-0495
CAP 04/0130	Capacitor, ceramic plate, low K, 82pF	£0.12	Rapid	08-0500
CAP 04/0140	Capacitor, ceramic disk, 100pF	£0.05	Rapid	08-0140
CAP 04/0150	Capacitor, ceramic disk, 120pF	£0.05	Rapid	08-0145
CAP 04/0160	Capacitor, ceramic disk, 150pF	£0.05	Rapid	08-0150
CAP 04/0170	Capacitor, ceramic disk, 180pF	£0.05	Rapid	08-0155
CAP 04/0180	Capacitor, ceramic disk, 220pF	£0.05	Rapid	08-0160
CAP 04/0190	Capacitor, ceramic disk, 270pF	£0.05	Rapid	08-0165
CAP 04/0200	Capacitor, ceramic disk, 330pF	£0.05	Rapid	08-0170
CAP 04/0210	Capacitor, ceramic disk, 390pF	£0.05	Rapid	08-0175
CAP 04/0220	Capacitor, ceramic disk, 470pF	£0.05	Rapid	08-0180
CAP 04/0230	Capacitor, ceramic disk, 560pF	£0.05	Rapid	08-0185
CAP 04/0240	Capacitor, ceramic disk, 680pF	£0.05	Rapid	08-0190
CAP 04/0250	Capacitor, ceramic disk, 820pF	£0.05	Rapid	08-0195
CAP 04/0260	Capacitor, ceramic disk, 1n	£0.05	Rapid	08-0200
CAP 04/0270	Capacitor, ceramic disk, 1n5	£0.05	Rapid	08-0205
CAP 04/0280	Capacitor, ceramic disk, 2n2	£0.05	Rapid	08-0210
CAP 04/0290	Capacitor, ceramic disk, 3n3	£0.05	Rapid	08-0215
CAP 04/0300	Capacitor, ceramic disk, 4n7	£0.05	Rapid	08-0220
CAP 04/0310	Capacitor, ceramic disk, 6n8	£0.05	Rapid	08-0225
CAP 04/0320	Capacitor, ceramic disk, 10n	£0.05	Rapid	08-0230

CAPACITORS

Code	Part Description	Price	Supplier	Supplier Code
CAP 05 CAPACITORS, POLYSTYRENE				
CAP 05/0010	Capacitor,polystyrene,47pF	£0.08	RS	113-241
CAP 05/0020	Capacitor,polystyrene,68pF	£0.08	RS	113-257
CAP 05/0030	Capacitor,polystyrene,100pF	£0.08	RS	113-263
CAP 05/0040	Capacitor,polystyrene,150pF	£0.08	RS	113-279
CAP 05/0050	Capacitor,polystyrene,220pF	£0.08	RS	113-285
CAP 05/0060	Capacitor,polystyrene,330pF	£0.08	RS	113-291
CAP 05/0070	Capacitor,polystyrene,470pF	£0.09	RS	113-308
CAP 05/0080	Capacitor,polystyrene,680pF	£0.09	RS	113-314
CAP 05/0100	Capacitor,polystyrene,1n0	£0.10	RS	113-320
CAP 05/0110	Capacitor,polystyrene,1n5	£0.10	RS	113-336
CAP 06 CAPACITORS, POLYESTER FILM				
CAP 06/0010	Capacitor,polyester film,1n	£0.04	Rapid	10-0900
CAP 06/0020	Capacitor,polyester film,2n2	£0.04	Rapid	10-09102
CAP 06/0030	Capacitor,polyester film,4n7	£0.04	Rapid	10-0920
CAP 06/0040	Capacitor,polyester film,10n	£0.04	Rapid	10-0930
CAP 06/0050	Capacitor,polyester film,15n	£0.09	Rapid	10-0205
CAP 06/0060	Capacitor,polyester film,22n	£0.05	Rapid	10-0940
CAP 06/0070	Capacitor,polyester film,33n	£0.10	Rapid	10-0215
CAP 06/0080	Capacitor,polyester film,47n	£0.05	Rapid	10-0950
CAP 06/0090	Capacitor,polyester film,100n	£0.05	Rapid	10-0960
CAP 06/0100	Capacitor,polyester film,150n	£0.13	Rapid	10-0235
CAP 06/0110	Capacitor,polyester film,220n	£0.07	Rapid	10-0970
CAP 06/0120	Capacitor,polyester film,330n	£0.17	Rapid	10-0245
CAP 06/0130	Capacitor,polyester film,470n	£0.21	Rapid	10-0250
CAP07 CAPACITORS, TANTALUM				
CAP 07/0010	Capacitor,tantalum bead,35V,0.1uF	£0.12	Rapid	11-1056
CAP 07/0020	Capacitor,tantalum bead,35V,0.22uF	£0.11	Rapid	11-0505
CAP 07/0030	Capacitor,tantalum bead,35V,0.33uF	£0.11	Rapid	11-0944
CAP 07/0040	Capacitor,tantalum bead,35V,0.47uF	£0.10	Rapid	11-0946
CAP 07/0050	Capacitor,tantalum bead,35V,1.0uF	£0.12	Rapid	11-1068
CAP 07/0060	Capacitor,tantalum bead,25V,2.2uF	£0.13	Rapid	11-1038
CAP 07/0070	Capacitor,tantalum bead,25V,3.3uF	£0.15	Rapid	11-1040
CAP 07/0080	Capacitor,tantalum bead,25V,4.7uF	£0.19	Rapid	11-1042
CAP 07/0090	Capacitor,tantalum bead,25V,6.8uF	£0.19	Rapid	11-1044
CAP 07/0100	Capacitor,tantalum bead,25V,10uF	£0.23	Rapid	11-1046
CAP 07/0110	Capacitor,tantalum bead,16V,22uF	£0.27	Rapid	11-1026
CAP 07/0120	Capacitor,tantalum bead,16V,33uF	£0.15	Rapid	11-1028
CAP 07/0130	Capacitor,tantalum bead,16V,47uF	£0.35	Rapid	11-1030
CAP 07/0140	Capacitor,tantalum bead,16V,100uF	£0.95	Rapid	11-0585
CAP08 CAPACITORS, ELECTROLYTIC				
CAP 08/0010	Capacitor,electrolytic,radial,63V,1.0uF	£0.03	Rapid	11-0205
CAP 08/0020	Capacitor,electrolytic,radial,63V,2.2uF	£0.03	Rapid	11-0210
CAP 08/0030	Capacitor,electrolytic,radial,63V,4.7uF	£0.03	Rapid	11-0215
CAP 08/0040	Capacitor,electrolytic,radial,25V,10uF	£0.03	Rapid	11-0220
CAP 08/0050	Capacitor,electrolytic,radial,25V,22uF	£0.03	Rapid	11-0230
CAP 08/0060	Capacitor,electrolytic,radial,25V,47uF	£0.03	Rapid	11-0235
CAP 08/0070	Capacitor,electrolytic,radial,25V,100uF	£0.04	Rapid	11-0250
CAP 08/0080	Capacitor,electrolytic,radial,25V,220uF	£0.07	Rapid	11-0265
CAP 08/0090	Capacitor,electrolytic,radial,25V,470uF	£0.10	Rapid	11-0280
CAP 08/0100	Capacitor,electrolytic,radial,25V,1000uF	£0.18	Rapid	11-0295
CAP 08/0110	Capacitor,electrolytic,radial,25V,2200uF	£0.32	Rapid	11-0330
CAP 08/0120	Capacitor,electrolytic,PCBmnt,63V,4700uF	£3.08	Rapid	11-2240

Code	Part Description	Price	Supplier	Supplier Code
CON 01	CONNECTORS, DIN AUDIO			
CON 01/0010	Plug,DIN,3 pin,insulated	£0.22	Rapid	20-0240
CON 01/0020	Plug,DIN,5 pin,insulated,45 degrees	£0.22	Rapid	20-0250
CON 01/0030	Plug,DIN,5 pin,insulated,60 degrees	£0.22	Rapid	20-0265
CON 01/0050	Plug,DIN,6 pin,insulated	£0.26	Rapid	20-0280
CON 01/0060	Plug,DIN,8 pin,insulated	£0.33	Rapid	20-0295
CON 01/0110	Socket,chassis,DIN 3 pin	£0.28	Rapid	20-0245
CON 01/0120	Socket,chassis,DIN,5 pin,45 degrees	£0.30	Rapid	20-0255
CON 01/0130	Socket,chassis,DIN,5 pin,60 degrees	£0.30	Rapid	20-0365
CON 01/0150	Socket,chassis,DIN,6 pin	£0.32	Rapid	20-0375
CON 01/0160	Socket,chassis,DIN,8 pin	£0.36	Rapid	20-0385
CON 01/0170	Plug,DIN,2 pin,insulated,speaker	£0.00	Rapid	discontinued
CON 04	CONNECTORS, JACK			
CON 04/0030	Plug,jack,3 pole,sterео,3.5mm	£0.22	Rapid	20-0125
CON 04/0031	Socket,jack,3 pole,switched,sterео,3.5mm	£0.16	Rapid	20-0155
CON 04/0040	Plug,jack,3 pole,sterео,1/4	£0.27	Rapid	20-0120
CON 04/0041	Socket,jack,3 pole,switched,sterео,1/4	£0.36	Rapid	20-0150
CON 06	CONNECTORS, PHONO			
CON 06/0010	Plug,phono	£0.13	Rapid	20-0200
CON 06/0011	Socket,phono,panel,red	£0.16	Rapid	20-0225
CON 09	CONNECTORS, BNC SERIES			
CON 09/0010	Plug,BNC,coaxial,50 ohm (RG58B/U cable)	£0.65	Rapid	16-0100
CON 09/0011	Socket,BNC,coaxial,panel,50 ohm	£0.70	Rapid	16-0105
CON 09/0012	Socket,BNC,coaxial,bulkhead,50 ohm	£0.55	Rapid	16-0110
CON 09/0020	Plug,BNC,coaxial,75 ohm (RG59B/U cable)	£0.65	Rapid	16-0180
CON 09/0022	Socket,BNC,coaxial,bulkhead,75 ohm	£0.55	Rapid	16-0112
CON 10	CONNECTORS, IDC 'D' TYPE, PLUG			
CON 10/0009	Plug,D Type,IDC,9 way	£0.98	Rapid	19-0410
CON 10/0015	Plug,D Type,IDC,15 way	£1.00	Rapid	19-0415
CON 10/0025	Plug,D Type,IDC,25 way	£1.05	Rapid	19-0400
CON 11	CONNECTORS, IDC 'D' TYPE, SOCKET			
CON 11/0009	Socket,D Type,IDC,9 way	£0.98	Rapid	19-0420
CON 11/0015	Socket,D Type,IDC,15 way	£1.00	Rapid	19-0425
CON 11/0025	Socket,D Type,IDC,25 way	£1.05	Rapid	19-0405
CON 14	CONNECTORS, FEMALE, IDC HEADER, SOCKET, mates with CON 16			
CON 14/0010	Socket,IDC,cable mounting, 10 way	£0.19	Rapid	19-0300
CON 14/0016	Socket,IDC,cable mounting,16 way	£0.22	Rapid	19-0305
CON 14/0020	Socket,IDC,cable mounting,20 way	£0.24	Rapid	19-0310
CON 14/0026	Socket,IDC,cable mounting,26 way	£0.27	Rapid	19-0315
CON 14/0034	Socket,IDC,cable mounting,34 way	£0.29	Rapid	19-0320
CON 14/0040	Socket,IDC,cable mounting,40 way	£0.40	Rapid	19-0325
CON 15	CONNECTORS, IDC CENTRONICS			
CON 15/0010	Plug,IDC,cable mounting,centronics	£0.87	Rapid	19-0805

Code	Part Description	Price	Supplier	Supplier Code
CON 16				
CONNECTORS, MALE, HEADER, PLUG, mates with CON 14				
CON 16/0010	Plug,straight, PCB mount,10 way	£0.24	Rapid	19-0250
CON 16/0016	Plug,straight, PCB mount,16 way	£0.30	Rapid	19-0255
CON 16/0020	Plug,straight, PCB mount,20 way	£0.37	Rapid	19-0260
CON 16/0026	Plug,straight, PCB mount,26 way	£0.43	Rapid	19-0265
CON 16/0034	Plug,straight, PCB mount,34 way	£0.58	Rapid	19-0270
CON 16/0040	Plug,straight, PCB mount,40 way	£0.68	Rapid	19-0275
CON 16/0110	Plug,right angle,PCB mount, 10 way	£0.27	Rapid	19-0200
CON 16/0116	Plug,right angle, PCB mount,16 way	£0.37	Rapid	19-0205
CON 16/0120	Plug,right angle, PCB mount,20 way	£0.48	Rapid	19-0210
CON 16/0126	Plug,right angle, PCB mount,26 way	£0.62	Rapid	19-0215
CON 16/0134	Plug,right angle, PCB mount,34 way	£0.67	Rapid	19-0220
CON 16/0140	Plug,right angle, PCB mount,40 way	£0.78	Rapid	19-0225
CON 22				
'D' TYPE, SOLDER, PLUG				
CON 22/0009	Plug,straight solder lug,D Type,9 way	£0.16	Rapid	15-0100
CON 22/0015	Plug,straight solder lug,D Type,15 way	£0.22	Rapid	15-0105
CON 22/0025	Plug,straight solder lug,D Type,25 way	£0.24	Rapid	15-0110
CON 22/0109	Plug,right angle,PCB mnt.DType,9 way	£0.32	Rapid	15-0125
CON 22/0115	Plug,right angle,PCB mnt.DType,15 way	£0.39	Rapid	15-0130
CON 22/0125	Plug,right angle,PCB mnt.DType,25 way	£0.48	Rapid	15-0135
CON 24				
'D' TYPE, SOLDER, SOCKET				
CON 24/0009	Socket,solder lug,D Type,9 way	£0.16	Rapid	15-0150
CON 24/0015	Socket,solder lug,D Type,15 way	£0.88	Rapid	15-0530
CON 24/0025	Socket,solder lug,D Type,25 way	£1.27	Rapid	15-0535
CON 24/0109	Skt,right angle,PCB mount,D Type,9 way	£0.32	Rapid	15-0175
CON 24/0115	Skt,right angle,PCB mount,D Type,15 way	£0.39	Rapid	15-0180
CON 24/0125	Skt,right angle,PCB mount,D Type,25 way	£0.46	Rapid	15-0185
CON 46				
'D' TYPE COVERS				
CON 46/0009	Cover,D Type,9 way	£0.23	Rapid	15-0230
CON 46/0015	Cover,D Type,15 way	£0.24	Rapid	15-0235
CON 46/0025	Cover,D Type,25 way	£0.27	Rapid	15-0240
CON 40				
CONNECTORS, 4mm Plugs				
CON 40/0010	Plug,4mm,stackable,in-line,RED	£0.30	Rapid	17-0420
CON 40/0020	Plug,4mm,stackable,in-line,BLACK	£0.30	Rapid	17-0400
CON 40/0030	Plug,4mm,stackable,in-line,GREEN	£0.30	Rapid	17-0410
CON 40/0040	Plug,4mm,stackable,in-line,BLUE	£0.30	Rapid	17-0405
CON 40/0050	Plug,4mm,stackable,in-line,YELLOW	£0.30	Rapid	17-0430
CON 40/0060	Plug,4mm,stackable,in-line,WHITE	£0.30	Rapid	17-0425
CON 41				
CONNECTORS, 4mm Sockets				
CON 41/0010	Socket,4mm,panel mount,RED	£0.16	Rapid	17-1935
CON 41/0020	Socket,4mm,panel mount,BLACK	£0.16	Rapid	17-1920
CON 41/0030	Socket,4mm,panel mount,GREEN	£0.16	Rapid	17-1930
CON 41/0040	Socket,4mm,panel mount,BLUE	£0.16	Rapid	17-1925
CON 41/0050	Socket,4mm,panel mount,YELLOW	£0.16	Rapid	17-1945
CON 41/0060	Socket,4mm,panel mount,WHITE	£0.16	Rapid	17-1940
CON 42				
CONNECTORS, 4mm Screw Terminal				
CON 42/0010	Terminal,4mm,panel mount,RED	£0.46	Rapid	17-0230
CON 42/0020	Terminal,4mm,panel mount,BLACK	£0.46	Rapid	17-0245
CON 42/0030	Terminal,4mm,panel mount,GREEN	£0.46	Rapid	17-0235
CON 42/0040	Terminal,4mm,panel mount,BLUE	£0.46	Rapid	17-0240
CON 42/0050	Terminal,4mm,panel mount,YELLOW	£0.46	Rapid	17-0260
CON 42/0060	Terminal,4mm,panel mount,WHITE	£0.46	Rapid	17-0255

Code	Part Description	Price	Supplier	Supplier Code
CON 44 CROCODILE				
CON 44/0010	Clip,crocodile,standard 4mm	£0.22	RS	483-837
CON 44/0030	Clip,crocodile,large,25A	£0.46	RS	423-065
CON 44/0040	Sleeve,crocodile clip,standard,red	£0.21	RS	423-352
CON 44/0050	Sleeve,crocodile clip,standard,black	£0.21	RS	423-368
CON 48 DUAL-IN-LINE (DIL) SOCKET				
CON 48/0010	Socket,DIL, 8 way (pitch = 0.3)	£0.05	Rapid	22-0150
CON 48/0020	Socket,DIL,14 way (pitch = 0.3)	£0.08	Rapid	22-0155
CON 48/0030	Socket,DIL,16 way (pitch = 0.3)	£0.09	Rapid	22-0160
CON 48/0040	Socket,DIL,18 way (pitch = 0.3)	£0.10	Rapid	22-0165
CON 48/0050	Socket,DIL,20 way (pitch = 0.3)	£0.11	Rapid	22-0170
CON 48/0060	Socket,DIL,22 way (pitch = 0.4)	£0.16	RS	402-800
CON 48/0070	Socket,DIL,24 way (pitch = 0.6)	£0.12	Rapid	22-0180
CON 48/0080	Socket,DIL,28 way (pitch = 0.6)	£0.13	Rapid	22-0185
CON 48/0090	Socket,DIL,40 way (pitch = 0.6)	£0.17	Rapid	22-0190
CON 48/0100	Socket,DIL,wire wrap,8 way (P = 0.3)	£0.30	Rapid	22-0210
CON 48/0110	Socket,DIL,wire wrap,14 way (P = 0.3)	£0.53	Rapid	22-0215
CON 48/0120	Socket,DIL,wire wrap,16 way (P = 0.3)	£0.60	Rapid	22-0220
CON 48/0130	Socket,DIL,wire wrap,18 way (P = 0.3)	£0.68	Rapid	22-0225
CON 48/0140	Socket,DIL,wire wrap,20 way (P = 0.3)	£0.75	Rapid	22-0230
CON 48/0160	Socket,DIL,wire wrap,24 way (P = 0.6)	£0.90	Rapid	22-0240
CON 48/0170	Socket,DIL,wire wrap,28 way (P = 0.6)	£1.05	Rapid	22-0245
CON 48/0180	Socket,DIL,wire wrap,40 way (P = 0.6)	£1.53	Rapid	22-0250
CON 49 SINGLE-IN-LINE (SIL) SOCKET				
CON 49/0005	Socket,SIL,20 pin (can be broken down)	£0.26	Rapid	22-0465
CON 49/0010	Socket,SIL,32 pin (can be broken down)	£0.55	Rapid	22-0460
CON 50 PLASTIC LEAD CHIP CARRIER (PLCC)				
CON 50/0010	Socket,PLCC,44 way	£0.38	Rapid	22-0350
CON 50/0020	Socket,PLCC,68 way	£0.42	Rapid	22-0360
CON 59 IDC DIL PLUG				
CON 59/0010	Plug,DIL,IDC,connector,14 pin	£0.35	Rapid	80-0200
CON 59/0020	Plug,DIL,IDC,connector,16 pin	£0.39	Rapid	80-0205
CON 59/0030	Plug,DIL,IDC,connector,24 pin	£1.19	RS	471-389
CON 60 PCB CONNECTION HEADERS & SOCKETS				
PCB connection system comprising end stackable crimp termination socket connectors designed to mate with rigid PCB mounting pin headers				
CON 60/0010	Housing,crimp terminal,2 way	£0.04	Rapid	22-0905
CON 60/0011	Housing,crimp terminal,3 way	£0.05	Rapid	22-0910
CON 60/0012	Housing,crimp terminal,4 way	£0.07	Rapid	22-0915
CON 60/0015	Housing,crimp terminal,8 way	£0.11	Rapid	22-0930
CON 60/0020	Terminal,crimp (for use with housing)	£0.01	Rapid	22-1096
CON 60/0030	Header,straight pin,PCB mounting,2 way	£0.07	Rapid	22-0950
CON 60/0031	Header,straight pin,PCB mounting,3 way	£0.11	Rapid	22-0955
CON 60/0032	Header,straight pin,PCB mounting,4 way	£0.13	Rapid	22-0960
CON 60/0035	Header,straight pin,PCB mounting,8 way	£0.25	Rapid	22-0975
CON 60/0040	Header,right angle pin,PCB mount,2 way	£0.10	Rapid	22-1005
CON 60/0041	Header,right angle pin,PCB mount,3 way	£0.16	Rapid	22-1010
CON 60/0042	Header,right angle pin,PCB mount,4 way	£0.18	Rapid	22-1015
CON 60/0045	Header,right angle pin,PCB mount,8 way	£0.38	Rapid	22-1030
CON 60/0050	Jumper link (for use with headers)	£0.08	Rapid	22-0695
CON 60/0051	Pin,polarising (for use with housing)	£0.00	Farnell	143-227
CON 60/0060	36 way, SIL, straight, pcb pin strip header	£0.17	Rapid	22-0545
CON 61 CONNECTORS, TELEPHONE				
CON 61/0010	Plug,telephone,line,4 way	£0.40	RS	470-229
CON 61/0020	Socket,line jack unit 2 (BT Ref.LJU2/6A)	£0.00	Rapid	discontinued

Code	Part Description	Price	Supplier	Supplier Code
CON 62 CONNECTORS, SCREW TERMINAL				
CON 62/0010	Terminal,screw,PCB mounting,2 way	£0.33	RS	426-086
CON 62/0020	Terminal,screw,PCB mounting,3 way	£0.48	RS	426-092
CON 62/0030	Terminal,screw,PCB mounting,5 way	£0.81	RS	426-115
CON 81 CONNECTORS, TELEVISION STYLE COAXIAL				
CON 81/0010	Plug,standard,coax (TV type)	£0.27	Rapid	16-0400
CON 81/0011	Socket,flush,panel mount (TV type)	£0.16	Rapid	16-0405
CON 81/0012	Connector,line (TV type)	£0.15	Rapid	16-0415
CON 88 CONNECTORS, SCART				
CON 88/0010	Plug,SCART/Peritel	£0.39	Rapid	16-04
FAS 01 SCREWS, NUTS, WASHERS (METRIC)				
FAS 02 SCREWS, SELF TAPPING				
Screws etc. are available. Please see a technical officer and explain your requirements.				
FER 01 FERRITES				
FER 01/0010	Coil former,noryl,PCB mounting	£2.47	RS	228-090
FER 01/0020	Ferrite core,for FER 01/0010	£3.00	RS	228-107
FER 01/0030	Trimming tool for above	£1.79	RS	543-147
FER 02 INDUCTORS				
FER 02/0010	RF inductor,suppression choke,1 micro Henry	£3.37	RS	240-466
FER 02/0020	RF inductor,suppression choke,10 micro Henry	£3.37	RS	240-494
FER 02/0030	RF inductor,suppression choke,100 micro Henry	£3.37	RS	240-523
FUS 01 FUSES, 20mm, QUICK BLOW				
FUS 01/0010	Fuse,glass,20 x 5mm,quick blow,50mA	£0.30	Rapid	26-0090
FUS 01/0020	Fuse,glass,20 x 5mm,quick blow,100mA	£0.18	Rapid	26-0100
FUS 01/0030	Fuse,glass,20 x 5mm,quick blow,250mA	£0.16	Rapid	26-0110
FUS 01/0040	Fuse,glass,20 x 5mm,quick blow,500mA	£0.08	Rapid	26-0115
FUS 01/0050	Fuse,glass,20 x 5mm,quick blow,1A	£0.08	Rapid	26-0120
FUS 01/0060	Fuse,glass,20 x 5mm,quick blow,1.6A	£0.08	Rapid	26-0125
FUS 01/0070	Fuse,glass,20 x 5mm,quick blow,2A	£0.08	Rapid	26-0130
FUS 01/0080	Fuse,glass,20 x 5mm,quick blow,3.15A	£0.08	Rapid	26-0135
FUS 01/0090	Fuse,glass,20 x 5mm,quick blow,4A	£0.08	Rapid	26-0140
FUS 01/0100	Fuse,glass,20 x 5mm,quick blow,5A	£0.08	Rapid	26-0150
FUS 01/0110	Fuse,glass,20 x 5mm,quick blow,6.3A	£0.08	Rapid	26-0155
FUS 02 FUSES, 20mm, SLOW BLOW				
FUS 02/0010	Fuse,glass,20 x 5mm,time delay,50mA	£0.24	Rapid	26-0200
FUS 02/0020	Fuse,glass,20 x 5mm,time delay,100mA	£0.12	Rapid	26-0205
FUS 02/0030	Fuse,glass,20 x 5mm,time delay,250mA	£0.09	Rapid	26-0230
FUS 02/0040	Fuse,glass,20 x 5mm,time delay,500mA	£0.09	Rapid	26-0250
FUS 02/0050	Fuse,glass,20 x 5mm,time delay,1A	£0.09	Rapid	26-0260
FUS 02/0060	Fuse,glass,20 x 5mm,time delay,1.6A	£0.09	Rapid	26-0270
FUS 02/0070	Fuse,glass,20 x 5mm,time delay,2A	£0.09	Rapid	26-0275
FUS 02/0080	Fuse,glass,20 x 5mm,time delay,2.5A	£0.09	Rapid	26-0280
FUS 02/0090	Fuse,glass,20 x 5mm,time delay,3.15A	£0.09	Rapid	26-0285
FUS 02/0100	Fuse,glass,20 x 5mm,time delay,4A	£0.09	Rapid	26-0290
FUS 02/0110	Fuse,glass,20 x 5mm,time delay,5A	£0.09	Rapid	26-0295
FUS 02/0120	Fuse,glass,20 x 5mm,time delay,6.3A	£0.09	Rapid	26-0300
FUS 03 FUSES, MAINS				
FUS 03/0010	Fuse,ceramic, 25mm mains,2A	£0.12	Rapid	26-0400
FUS 03/0020	Fuse,ceramic, 25mm mains,3A	£0.12	Rapid	26-0405
FUS 03/0030	Fuse,ceramic, 25mm mains,5A	£0.12	Rapid	26-0410
FUS 03/0040	Fuse,ceramic, 25mm mains,13A	£0.12	Rapid	26-0415

OPTO DEVICES, PCB, RELAYS

Code	Part Description	Price	Supplier	Supplier Code
FUS 05 FUSE HOLDERS				
FUS 05/0010	20mm Panel mounting	£0.36	Rapid	discontinued available whilst stocks last
FUS 05/0020	20mm PCB mounting	£0.14	Rapid	26-0167
OPT 01 LEDs & DISPLAYS				
OPT 01/0010	LED,super bright 5mm,red	£0.66	RS	247-1662
OPT 01/0011	LED,rectangular,5mm x 2.5mm,red	£0.07	Rapid	56-0380
OPT 01/0020	LED, 5mm, super bright green	£0.21	RS	247-1678
OPT 01/0030	LED, 5mm super bright 5mm,yellow	£0.29	RS	247-1684
OPT 01/0040	Clip,panel,5mm	£0.05	Rapid	55-0165
OPT 01/0050	LED,miniature 3mm,red	£0.03	Rapid	55-0100
OPT 01/0060	LED,miniature 3mm,green	£0.09	Rapid	55-0105
OPT 01/0070	LED,miniature 3mm,yellow	£0.09	Rapid	55-0110
OPT 01/0080	CLIP,panel,3mm	£0.05	Rapid	55-0160
OPT 01/0090	Display,LED,0.3",7 Seg,common anode,red	£0.48	Rapid	57-0102
OPT 01/0100	Tri-coloured 5mm LED (Red/Green/Yellow)	£0.11	Rapid	56-0685
OPT 02 LIQUID CRYSTAL DISPLAYS				
OPT 02/0010	LCD,4.5 digit,direct drive	£6.20	RS	184-7721
OPT 02/0060	10 BAR LED DISPLAY - RED	£0.70	Rapid	55-0190
OPT Info	Alpha numeric 16x1 and 20x2 displays are available from the project lab. Please see technical officers and explain your requirements.			
OPT 03 FIBRE OPTICS				
OPT 03/0010	SFH750V fibre-optic emitter 50M@15Mbit/sec	£3.20	Rapid	58-0735
OPT 03/0020	SFH250V fibre-optic receiver 50M@15Mbit/sec	£4.50	Rapid	58-0760
OPT 03/0030	Fibre Optic Cable (price per meter)	£2.05	Rapid	58-0710
OPT 03/0040	Opto-isolator, High Speed, Photo-transistor o/p	£0.25	Rapid	50-0810
OPT 04 INFRA-RED DEVICES				
OPT 04/0010	OP165, Infra-red emitter, miniature, 3mm	£1.51	RS	585-977
OPT 04/0011	OP505, Infra-red sensor, miniature, 3mm	£1.01	RS	585-983
OPT 04/0020	Infra-red emitter, hi-power, 5mm	£0.12	Rapid	58-0112
OPT 04/0021	Infra-red sensor	£0.68	Rapid	58-0115
OPT 05 OPTO DEVICES FOR POSITION SENSING				
OPT 05/0010	Opto-switch, slotted	£1.20	Rapid	58-0304
OPT 05/0020	Opto-switch, reflective (data sheet = 307-913.pdf)	£5.20	RS	307-913
PCB 01 STRIPBOARD				
PCB 01/0010	Stripboard (Veroboard) ,0.1pitch,119 x 455mm See Project lab technical officers to obtain a piece cut to your requirements.	£4.80	Rapid	34-0540
PCB 02 TERMINAL PINS				
PCB 02/0010	Terminal pins,press fit,single sided	£0.48	Rapid	34-0610
PCB 03 BOARD SUPPORTS & STANDOFFS				
PCB 03/0010	Support,miniature,adhesive backed,size 2	£0.09	RS	220-787
PCB 03/0020	Support,miniature,adhesive backed,size 4	£0.10	RS	220-800
REL 01 RELAYS				
REL 01/0010	Relay DPDT, 5 amp contacts, 6 Volt, 70R coil	£0.98	Rapid	60-0400
REL 01/0020	Relay DPDT, 5 amp contacts, 12 Volt, 280R coil	£0.98	Rapid	60-0410

RESISTORS

Code	Part Description	Price	Supplier	Supplier Code
RES 01	RESISTORS, STANDARD			
RES 01/0001	Resistor,carbon film,0.33W,5%,1R0	£0.03	RS	135-550
RES 01/0003	Resistor,carbon film,0.33W,5%,2R2	£0.03	RS	135-572
RES 01/0007	Resistor,carbon film,0.25W,5%,4R7	£0.06	Rapid	62-0323
RES 01/0010	Resistor,carbon film,0.25W,5%,10R	£0.06	Rapid	62-0329
RES 01/0020	Resistor,carbon film,0.25W,5%,12R	£0.06	Rapid	62-0321
RES 01/0030	Resistor,carbon film,0.25W,5%,15R	£0.06	Rapid	62-0331
RES 01/0040	Resistor,carbon film,0.25W,5%,18R	£0.06	Rapid	62-0325
RES 01/0050	Resistor,carbon film,0.25W,5%,22R	£0.06	Rapid	62-0333
RES 01/0060	Resistor,carbon film,0.25W,5%,27R	£0.06	Rapid	62-0335
RES 01/0070	Resistor,carbon film,0.25W,5%,33R	£0.06	Rapid	62-0337
RES 01/0080	Resistor,carbon film,0.25W,5%,39R	£0.06	Rapid	62-0339
RES 01/0090	Resistor,carbon film,0.25W,5%,47R	£0.06	Rapid	62-0341
RES 01/0100	Resistor,carbon film,0.25W,5%,56R	£0.06	Rapid	62-0343
RES 01/0110	Resistor,carbon film,0.25W,5%,68R	£0.06	Rapid	62-0345
RES 01/0120	Resistor,carbon film,0.25W,5%,82R	£0.06	Rapid	62-0347
RES 01/0130	Resistor,carbon film,0.25W,5%,100R	£0.06	Rapid	62-0349
RES 01/0140	Resistor,carbon film,0.25W,5%,120R	£0.06	Rapid	62-0351
RES 01/0150	Resistor,carbon film,0.25W,5%,150R	£0.06	Rapid	62-0353
RES 01/0160	Resistor,carbon film,0.25W,5%,180R	£0.06	Rapid	62-0355
RES 01/0170	Resistor,carbon film,0.25W,5%,220R	£0.06	Rapid	62-0357
RES 01/0180	Resistor,carbon film,0.25W,5%,270R	£0.06	Rapid	62-0359
RES 01/0190	Resistor,carbon film,0.25W,5%,330R	£0.06	Rapid	62-0361
RES 01/0200	Resistor,carbon film,0.25W,5%,390R	£0.06	Rapid	62-0363
RES 01/0210	Resistor,carbon film,0.25W,5%,470R	£0.06	Rapid	62-0365
RES 01/0220	Resistor,carbon film,0.25W,5%,560R	£0.06	Rapid	62-0367
RES 01/0230	Resistor,carbon film,0.25W,5%,680R	£0.06	Rapid	62-0369
RES 01/0240	Resistor,carbon film,0.25W,5%,820R	£0.06	Rapid	62-0371
RES 01/0250	Resistor,carbon film,0.25W,5%,1K	£0.06	Rapid	62-0373
RES 01/0260	Resistor,carbon film,0.25W,5%,1K2	£0.06	Rapid	62-0375
RES 01/0270	Resistor,carbon film,0.25W,5%,1K5	£0.06	Rapid	62-0377
RES 01/0280	Resistor,carbon film,0.25W,5%,1K8	£0.06	Rapid	62-0379
RES 01/0290	Resistor,carbon film,0.25W,5%,2K2	£0.06	Rapid	62-0381
RES 01/0300	Resistor,carbon film,0.25W,5%,2K7	£0.06	Rapid	62-0383
RES 01/0310	Resistor,carbon film,0.25W,5%,3K3	£0.06	Rapid	62-0385
RES 01/0320	Resistor,carbon film,0.25W,5%,3K9	£0.06	Rapid	62-0387
RES 01/0330	Resistor,carbon film,0.25W,5%,4K7	£0.06	Rapid	62-0389
RES 01/0340	Resistor,carbon film,0.25W,5%,5K60	£0.06	Rapid	62-0391
RES 01/0350	Resistor,carbon film,0.25W,5%,6K8	£0.06	Rapid	62-0393
RES 01/0360	Resistor,carbon film,0.25W,5%,8K2	£0.06	Rapid	62-0395
RES 01/0370	Resistor,carbon film,0.25W,5%,10K	£0.06	Rapid	62-0397
RES 01/0380	Resistor,carbon film,0.25W,5%,12K	£0.06	Rapid	62-0399
RES 01/0390	Resistor,carbon film,0.25W,5%,15K	£0.06	Rapid	62-0401
RES 01/0400	Resistor,carbon film,0.25W,5%,18K	£0.06	Rapid	62-0403
RES 01/0410	Resistor,carbon film,0.25W,5%,22K	£0.06	Rapid	62-0405
RES 01/0420	Resistor,carbon film,0.25W,5%,27K	£0.06	Rapid	62-0407
RES 01/0430	Resistor,carbon film,0.25W,5%,33K	£0.06	Rapid	62-0409
RES 01/0440	Resistor,carbon film,0.25W,5%,39K	£0.06	Rapid	62-0411
RES 01/0450	Resistor,carbon film,0.25W,5%,47K	£0.06	Rapid	62-0413
RES 01/0460	Resistor,carbon film,0.25W,5%,56K	£0.06	Rapid	62-0415
RES 01/0470	Resistor,carbon film,0.25W,5%,68K	£0.06	Rapid	62-0417
RES 01/0480	Resistor,carbon film,0.25W,5%,82K	£0.06	Rapid	62-0419
RES 01/0490	Resistor,carbon film,0.25W,5%,100K	£0.06	Rapid	62-0421
RES 01/0500	Resistor,carbon film,0.25W,5%,120K	£0.06	Rapid	62-0423
RES 01/0510	Resistor,carbon film,0.25W,5%,150K	£0.06	Rapid	62-0425
RES 01/0520	Resistor,carbon film,0.25W,5%,180K	£0.06	Rapid	62-0427
RES 01/0530	Resistor,carbon film,0.25W,5%,220K	£0.06	Rapid	62-0429
RES 01/0540	Resistor,carbon film,0.25W,5%,270K	£0.06	Rapid	62-0431
RES 01/0550	Resistor,carbon film,0.25W,5%,330K	£0.06	Rapid	62-0433
RES 01/0560	Resistor,carbon film,0.25W,5%,390K	£0.06	Rapid	62-0435
RES 01/0570	Resistor,carbon film,0.25W,5%,470K	£0.06	Rapid	62-0437

RESISTORS

Code	Part Description	Price	Supplier	Supplier Code
RES 01/0580	Resistor,carbon film,0.25W,5%,560K	£0.06	Rapid	62-0439
RES 01/0590	Resistor,carbon film,0.25W,5%,680K	£0.06	Rapid	62-0441
RES 01/0600	Resistor,carbon film,0.25W,5%,820K	£0.06	Rapid	62-0443
RES 01/0610	Resistor,carbon film,0.25W,5%,1M	£0.06	Rapid	62-0445
RES 01/0620	Resistor,carbon film,0.25W,5%,2M2	£0.06	Rapid	62-0453
RES 01/0630	Resistor,carbon film,0.25W,5%,4M7	£0.06	Rapid	62-0461
RES 01/0640	Resistor,carbon film,0.25W,5%,10M	£0.06	Rapid	62-0469
RES 03	RESISTORS, SIL			
RES 03/0009	Resistor,network,SIL,7 commoned,100R	£0.11	Rapid	63-0100
RES 03/0020	Resistor,network,SIL,8 commoned,330R	£0.11	Rapid	63-0210
RES 03/0030	Resistor,network,SIL,8 commoned,1K	£0.11	Rapid	63-0215
RES 03/0040	Resistor,network,SIL,8 commoned,2K2	£0.11	Rapid	63-0220
RES 03/0050	Resistor,network,SIL,8 commoned,4K7	£0.11	Rapid	63-0225
RES 03/0060	Resistor,network,SIL,8 commoned,10K	£0.11	Rapid	63-0230
RES 03/0070	Resistor,network,SIL,8 commoned,22K	£0.11	Rapid	63-0235
RES 03/0080	Resistor,network,SIL,8 commoned,47K	£0.11	Rapid	63-0240
RES 03/0090	Resistor,network,SIL,8 commoned,100K	£0.11	Rapid	63-0245
RES 12	RESISTORS, SINGLE-TURN TRIMMERS			
RES 12/0010	Trimmer,preset,enclosed,Single Turn,100R	£0.10	Rapid	67-0200
RES 12/0020	Trimmer,preset,enclosed,Single Turn,220R	£0.10	Rapid	67-0205
RES 12/0030	Trimmer,preset,enclosed,Single Turn,470R	£0.10	Rapid	67-0210
RES 12/0040	Trimmer,preset,enclosed,Single Turn,1K	£0.10	Rapid	67-0215
RES 12/0050	Trimmer,preset,enclosed,Single Turn,2K2	£0.10	Rapid	67-0220
RES 12/0070	Trimmer,preset,enclosed,Single Turn,4K7	£0.10	Rapid	67-0225
RES 12/0080	Trimmer,preset,enclosed,Single Turn,10K	£0.10	Rapid	67-0230
RES 12/0090	Trimmer,preset,enclosed,Single Turn,22K	£0.10	Rapid	67-0235
RES 12/0100	Trimmer,preset,enclosed,Single Turn,47K	£0.10	Rapid	67-0240
RES 12/0110	Trimmer,preset,enclosed,Single Turn,100K	£0.10	Rapid	67-0245
RES 12/0115	Trimmer,preset,enclosed,Single Turn,220K	£0.10	Rapid	67-0250
RES 12/0120	Trimmer,preset,enclosed,Single Turn,470K	£0.10	Rapid	67-0255
RES 12/0130	Trimmer,preset,enclosed,Single Turn,1M	£0.10	Rapid	67-0260
RES 13	RESISTORS, MULTI-TURN			
RES 13/0010	Trimmer,cermet,multi turn,100R	£0.66	Rapid	68-0100
RES 13/0020	Trimmer,cermet,multi turn,200R	£0.66	Rapid	68-0105
RES 13/0030	Trimmer,cermet,multi turn,500R	£0.66	Rapid	68-0110
RES 13/0040	Trimmer,cermet,multi turn,1K	£0.66	Rapid	68-0115
RES 13/0050	Trimmer,cermet,multi turn,2K	£0.66	Rapid	68-0120
RES 13/0060	Trimmer,cermet,multi turn,5K	£0.66	Rapid	68-0125
RES 13/0070	Trimmer,cermet,multi turn,10K	£0.66	Rapid	68-0130
RES 13/0080	Trimmer,cermet,multi turn,20K	£0.66	Rapid	68-0135
RES 13/0090	Trimmer,cermet,multi turn,50K	£0.66	Rapid	68-0140
RES 13/0100	Trimmer,cermet,multi turn,100K	£0.66	Rapid	68-0145
RES 13/0110	Trimmer,cermet,multi turn,200K	£0.66	Rapid	68-0150
RES 13/0120	Trimmer,cermet,multi turn,500K	£0.66	Rapid	68-0155
RES 13/0130	Trimmer,cermet,multi turn,1M	£0.90	Rapid	68-0360

RESISTORS

Code	Part Description	Price	Supplier	Supplier Code
RES 17	POTENTIOMETERS, SINGLE TURN, Log			
RES 17/0020	Potentiometer,S/T,logarithmic,2K2	£0.90	Farnell	350-151
RES 17/0030	Potentiometer,S/T,logarithmic,4K7	£0.41	Rapid	65-0610
RES 17/0040	Potentiometer,S/T,logarithmic,10K	£0.41	Rapid	65-0615
RES 17/0050	Potentiometer,S/T,logarithmic,22K - Available whilst stocks last	£0.00	Rapid	discontinued
RES 17/0060	Potentiometer,S/T,logarithmic,47K	£0.41	Rapid	65-0625
RES 17/0070	Potentiometer,S/T,logarithmic,100K	£0.41	Rapid	65-0630
RES 17/0080	Potentiometer,S/T,logarithmic,220K	£0.00	Rapid	discontinued
RES 17/0090	Potentiometer,S/T,logarithmic,470K - Available whilst stocks last	£0.00	Rapid	discontinued
RES 17/0100	Potentiometer,S/T,logarithmic,1M	£0.41	Rapid	65-0645
RES 17	POTENTIOMETERS, SINGLE TURN, Linear			
RES 17/0015	Potentiometer,S/T,linear,1K	£0.41	Rapid	65-0505
RES 17/0025	Potentiometer,S/T,linear,2K2	£0.71	Farnell	350-059
RES 17/0035	Potentiometer,S/T,linear,4K7	£0.41	Rapid	65-0510
RES 17/0045	Potentiometer,S/T,linear,10K	£0.41	Rapid	65-0515
RES 17/0055	Potentiometer,S/T,linear,22K	£0.41	Rapid	65-0520
RES 17/0065	Potentiometer,S/T,linear,47K	£0.41	Rapid	65-0525
RES 17/0075	Potentiometer,S/T,linear,100K - Available whilst stocks last	£0.41	Rapid	65-0530
RES 17/0085	Potentiometer,S/T,linear,220K	£0.41	Rapid	65-0535
RES 17/0095	Potentiometer,S/T,linear,470K	£0.41	Rapid	65-0540
RES 17/0105	Potentiometer,S/T,linear,1M	£0.41	Rapid	65-0545

SWITCHES, SENSORS AND TRANSDUCERS

Code	Part Description	Price	Supplier	Supplier Code
SEM 18 BRIDGE RECTIFIERS				
SEM 18/0010	W08 Bridge rectifier,1.5A,800V	£0.18	Rapid	47-3198
SEM 19 DIODES				
SEM 19/0010	1N4007 Diode,1A,1000V rectifier	£0.04	Rapid	1N4007
SEM 19/0020	OA91 Diode,small signal,20mA,100V	£0.09	Rapid	OA91
SEM 19/0030	1N4148 Diode,small signal,75mA,75V	£0.04	Rapid	1N4148
SEM 19/0040	GEN.PUR.small.signal. SCHOTTKY DIODE	£0.30	Rapid	BAT49
SEM 19/0050	ULTRA-FAST 1A rectifier	£0.17	Rapid	UF4007
SEM 20 ZENER DIODES				
SEM 20/0001	BZVC2V7 Diode,zener,400mW,2.7v	£0.04	Rapid	BZVC2V7
SEM 20/0003	BZVC3V3 Diode,zener,400mW,3.3V	£0.04	Rapid	BZVC3V3
SEM 20/0010	BZX4V7 Diode,zener,1.3W, 4.7V	£0.06	Rapid	BZX4V7
SEM 20/0020	BZX5V1 Diode,zener,1.3W, 5.1V	£0.06	Rapid	BZX5V1
SEM 20/0030	BZX5V6 Diode,zener,1.3W, 5.6V	£0.06	Rapid	BZX5V6
SEM 20/0040	BZX6V2 Diode,zener,1.3W, 6.2V	£0.06	Rapid	BZX6V2
SEM 20/0050	BZX6V8 Diode,zener,1.3W, 6.8V	£0.06	Rapid	BZX6V8
SEM 20/0060	BZX7V5 Diode zener,1.3W, 7.5V	£0.06	Rapid	BZX7V5
SEM 20/0070	BZX8V2 Diode,zener,1.3W, 8.2V	£0.06	Rapid	BZX8V2
SEM 20/0080	BZX9V1 Diode,zener,1.3W, 9.1V	£0.06	Rapid	BZX9V1
SEM 20/0090	BZX10V Diode,zener,1.3W, 10V	£0.06	Rapid	BZX10
SEM 20/0100	BZX11V Diode,zener,1.3W, 11V	£0.06	Rapid	BZX11
SEM 20/0110	BZX12V Diode,zener,1.3W, 12V	£0.06	Rapid	BZX12
SEM 21 TRANSISTORS				
SEM 21/0040	BC547B Tran.NPN,general purpose	£0.04	Rapid	81-0064
SEM 21/0050	BC549 Tran.NPN,general purpose	£0.07	Rapid	81-0068
SEM 21/0060	BC557B Tran.PNP,general purpose	£0.06	Rapid	81-0081
SEM 21/0070	BC559 Tran.PNP,general purpose	£0.00	RS	discontinued Available whilst stocks last
SEM 21/0080	BD437 Tran.NPN,audio power amp	£0.28	Rapid	81-0102
SEM 21/0090	BD438 Tran.PNP,audio power amp	£0.18	Rapid	81-0104
SEM 21/0110	2N2222A Tran.NPN,general purpose RF	£0.20	Rapid	81-0256
SEM 21/0120	2N3053 Tran.NPN,general purpose	£0.55	Rapid	81-0264
SEM 21/0121	2N3055 Tran.NPN,audio power	£0.07	Rapid	81-0266
SEM 21/0130	2N3904 Tran.NPN,audio low noise	£0.10	Rapid	81-0278
SEM 21/0140	2N3906 Tran.PNP,general purpose audio	£0.03	Rapid	81-0280
SEM 21/0160	J309 Tran.N-Channel JFET,(RF/VHF/UHF)	£0.00	Farnell	J309
SEM 21/0170	VN10KM Tran.N-Channel Power MOSFET	£0.25	Rapid	VN10KM
SEM 21/0180	IRF630 Tran.N-Channel Power MOSFET	£0.47	Rapid	47-0290
SEM 21/0190	IRF9630 Tran.P-Channel Power MOSFET	£0.75	Rapid	47-0308
SEM 22 THYRISTORS & TRIACS				
SEM 22/0010	TIC126D Thyristor,400V,12A	£0.63	Rapid	47-3274
SEM 22/0020	TIC246M Triac,600V,16A	£0.80	Rapid	47-3252

SWITCHES, SENSORS AND TRANSDUCERS

Code	Part Description	Price	Supplier	Supplier Code
SEM 17 VOLTAGE REGULATORS				
SEM 17/0010	78L05 Voltage regulator,100mA,+5V	£0.24	Rapid	47-3278
SEM 17/0020	78L12 Voltage regulator,100mA,+12V	£0.24	Rapid	47-3280
SEM 17/0030	78L15 Voltage regulator,100mA,+15V	£0.24	Rapid	47-3282
SEM 17/0040	79L05 Voltage regulator,100mA,-5V	£0.28	Rapid	47-3284
SEM 17/0050	79L12 Voltage regulator,100mA,-12V	£0.28	Rapid	47-3286
SEM 17/0060	79L15 Voltage regulator,100mA,-15V	£0.28	Rapid	47-3285
SEM 17/0070	7805 Voltage regulator,1 AMP,+5V	£0.32	Rapid	47-3290
SEM 17/0080	7812 Voltage regulator,1 AMP,+12V	£0.32	Rapid	47-3292
SEM 17/0090	7815 Voltage regulator,1 AMP,+15V	£0.32	Rapid	47-3294
SEM 17/0100	7905 Voltage regulator,1 AMP,-5V	£0.35	Rapid	47-3296
SEM 17/0110	7912 Voltage regulator,1 AMP,-12V	£0.35	Rapid	47-3298
SEM 17/0120	7915 Voltage regulator,1 AMP,-15V	£0.35	Rapid	47-3300
SEM 17/0150	ZRA125A02 Bandgap precision ref 1.25V	£0.45	Rapid	ZRA125A02
SEM 17/0160	ZRA250A02 Bandgap precision ref 2.50V	£0.45	Rapid	ZRA250A
SEM 03 ANALOGUE SWITCHES				
SEM 03/0010	ANALOGUE SWITCH, '0' TO SWITCH 'ON'	£1.10	Rapid	82-0284
SEM 03/0020	ANALOGUE SWITCH, '1' TO SWITCH 'ON'	£1.10	Rapid	82-0288
SEM 04 A/D & D/A CONVERTORS				
SEM 04/0010	ADC0804LCN 8 bit A to D Converter	£2.60	Rapid	82-0474
SEM 04/0020	TLC7524 8 bit Parallel D to A Converter	£2.85	RS	650-087
SEM 05 OP AMPS				
SEM 05/0010	LM324 OP-AMP,Bi-Pol,Quad	£0.25	Rapid	82-0228
SEM 05/0020	741 OP-AMP,Bi-Pol,Single	£0.25	Rapid	82-0458
SEM 05/0030	747 OP-AMP,Bi-Pol,Dual	£0.55	Rapid	82-0464
SEM 05/0031	OP-27CN OP-AMP,Bi-Pol,Single,Low noise	£2.34	Rapid	82-0024
SEM 05/0032	LM318 OP-AMP,Bi-Pol,Single	£1.51	Rapid	182-2485
SEM 05/0040	LF351 OP-AMP,BiFET I/P,Single	£0.40	Rapid	82-0252
SEM 05/0049	TL071 OP-AMP,JFET,Single,Low noise	£0.35	Rapid	82-0046
SEM 05/0050	TL072 OP-AMP,JFET,Dual,Low noise	£0.42	Rapid	82-0050
SEM 05/0060	TL074 OP-AMP,JFET,Quad,Low noise	£0.45	Rapid	82-0054
SEM 05/0070	2 W AUDIO AMP, LM380	£1.00	Rapid	82-0262
SEM 05/0080	DUAL POWER OPAMP, L272	£1.16	RS	370-9643
SEM 07 COMPARATORS				
SEM 07/0010	LM311 Comparator,high speed voltage	£0.23	Rapid	82-0208
SEM 07/0020	LM319 Comparator,high speed dual	£0.48	Rapid	82-0220
SEM 07/0030	LM339 Comparator,high performance quad	£0.24	Rapid	82-0242
SEM 07/0040	LM393 Comparator,low pow/offset V dual	£0.22	Rapid	82-0272
SEM 09 LCD DRIVERS				
SEM 09/0010	ICM72241PL Driver,CMOS,4.5 digit LCD	0.00	RS	discontinued Available whilst stocks last
SEM 10 EPROMS				
SEM 10/0030	27C128-150 EPROM,128K,16K x 8 (CMOS)	£0.00	Rapid	discontinued Available whilst stocks last
SEM 10/0040	27C256-150 EPROM,256K,32K x 8 (CMOS)	£2.80	Rapid	73-3034
SEM 10/0050	27C512-150 EPROM,512K,64K x 8 (CMOS)	£3.40	Rapid	73-3036
SEM 11 F/V & V/F CONVERTORS				
SEM 11/0010	9400 F/V & V/F converter	£5.69	RS	264-951
SEM 11/0020	566 Voltage controlled oscillator	£0.50	Rapid	NE566
SEM 12 RS232 LINE DRIVERS & RECEIVERS				
SEM 12/0030	MAX232 Driver/receiver,+5V	£1.50	Rapid	MAX232CPE

SWITCHES, SENSORS AND TRANSDUCERS

Code	Part Description	Price	Supplier	Supplier Code
SEM 13 MICROPROCESSORS & SUPPORT ICs				
SEM 13/0030	PIC16F84	£4.10	Rapid	PIC16F84-04P
SEM 13/0033	P80C31 Single chip microcomputer	£2.74	RS	635-820
SEM 13/0035	8255 Prog.peripheral interface,5 MHz	£3.16	RS	426-985
SEM 13/0040	RESET GENERATOR I.C (5V)	£1.43	MPS	DS1233
SEM 14 PHASE LOCKED LOOPS				
SEM 14/0010	NE565 Precision phase locked loop	£1.10	Rapid	NE565
SEM 15 STATIC RAMs				
SEM 15/0010	6116 RAM,static,CMOS,16K,(2Kx8)	£0.95	Rapid	6116LP3
SEM 15/0020	6264 RAM,static,CMOS,64K,(8Kx8)	£2.05	Rapid	6264LP10
SEM 15/0030	62256 RAM,static,CMOS,256K,(32Kx8)	£3.30	Rapid	62256LP10
SEM 16 TIMERS				
SEM 16/0010	NE555 Timer,single,general purpose	£0.22	Rapid	82-0336
SEM 16/0020	NE556 Timer,dual	£0.26	Rapid	82-0344
SEM 23 KEYBOARD ENCODERS				
SEM 23/0010	74C922 Keyboard encoder,16-key,matrix	£5.40	Rapid	82-0058
SEM 24 POWER SUPPLY & DRIVER ICs				
SEM 24/0010	Hi-Voltage Mosfet Driver	£3.32	Farnell	IR2112
SEM 24/0020	PWM PSU IC	£0.80	Rapid	SG3524N
SEM 24/0030	DC-DC convertor, negative o/p voltage	£3.10	Rapid	MAX635ACPA
SEM 24/0040	DC-DC convertor, positive o/p voltage	£3.10	Rapid	MAX631ACPA
SEM 24/0050	Stepper Motor Driver MC3479P	£6.31	Farnell	642-216
SEM 25 74HC SERIES				
SEM 25/0000	74HC00 Quad 2-input NAND gate	£0.23	Rapid	83-0036
SEM 25/0002	74HC02 Quad 2-input NOR gate	£0.22	Rapid	83-0038
SEM 25/0003	74HC03 Quad 2-input NAND gate OC	£0.14	Rapid	83-0040
SEM 25/0004	74HC04 Hex inverting buffer gate	£0.25	Rapid	83-0042
SEM 25/0008	74HC08 Quad 2-input AND gate	£0.25	Rapid	83-0044
SEM 25/0010	74HC10 Triple 3-input NAND gate	£0.22	Rapid	83-0046
SEM 25/0011	74HC11 Triple 3-input AND gate	£0.22	Rapid	83-0048
SEM 25/0014	74HC14 Schmitt Hex inverting gate	£0.22	Rapid	83-0050
SEM 25/0020	74HC20 Dual 4-input NAND gate	£0.22	Rapid	83-0052
SEM 25/0027	74HC27 Triple 3-input NOR gate	£0.22	Rapid	83-0054
SEM 25/0030	74HC30 8-input NAND gate	£0.22	Rapid	83-0056
SEM 25/0032	74HC32 Quad 2-input OR gate	£0.22	Rapid	83-0058
SEM 25/0042	74HC42 BCD to decimal decoder	£0.42	Rapid	83-0060
SEM 25/0073	74HC73 Dual J-K flip flop + clear	£0.50	Rapid	83-0062
SEM 25/0074	74HC74 Dual D type flip flop (E-trig)	£0.25	Rapid	83-0064
SEM 25/0075	74HC75 Dual D type flip flop (4-bit)	£0.00	Rapid	discontinued
SEM 25/0076	74HC76 Dual J-K flip flop + pset/clear	£0.50	Rapid	83-0068
SEM 25/0085	74HC85 4 Bit magnitude comparator	£0.55	Rapid	83-0070
SEM 25/0086	74HC86 Quad 2-input exclusive OR gate	£0.25	Rapid	83-0072
SEM 25/0107	74HC107N Dual J-K flip flop + clear	£0.60	Rapid	Farnell
SEM 25/0123	74HC123 Dual monostable multivibrator	£0.35	Rapid	83-0076
SEM 25/0125	74HC125 Quad 3-state buffer (Lo enable)	£0.35	Rapid	83-0078
SEM 25/0126	74HC126 Quad 3-state buffer (Hi enable)	£0.25	Farnell	378-460
SEM 25/0132	74HC132 Quad 2-input SHMITT NAND gate	£0.28	Rapid	83-0082
SEM 25/0133	74HC133 13-input NAND gate	£0.00	Rapid	discontinued
SEM 25/0138	74HC138 3 to 8 line de-mux/decoder	£0.28	Rapid	83-0084
SEM 25/0139	74HC139 Dual 2 to 4 line multiplexer	£0.28	Rapid	83-0086
SEM 25/0151	74HC151 8-input multiplexer	£0.28	Rapid	83-0088
SEM 25/0154	74HC154 4 to 16 line encoder	£0.72	Farnell	378-549

SWITCHES, SENSORS AND TRANSDUCERS

Code	Part Description	Price	Supplier	Supplier Code
SEM 25/0157	74HC157 Quad 2 to 1 line multiplexer	£0.28	Rapid	83-0092
SEM 25/0158	74HC158 Quad 2 to 1 line mux (Inverter)	£0.40	Rapid	83-0094
SEM 25/0160	74HC160 BCD counter asynchronous reset	£0.60	Rapid	83-0096
SEM 25/0161	74HC161 BIN counter asynchronous reset	£0.32	Rapid	83-0098
SEM 25/0162	74HC162 BCD counter synchronous reset	£0.00	Rapid	discontinued
SEM 25/0163	74HC163 BIN counter synchronous reset	£0.28	Rapid	83-0102
SEM 25/0164	74HC164 8-bit SIPO shift register	£0.32	Rapid	83-0104
SEM 25/0165	74HC165 8-bit PISO shift register	£0.32	Rapid	83-0106
SEM 25/0174	74HC174 Hex D type flip flop + clear	£0.32	Rapid	83-0108
SEM 25/0175	74HC175 Quad D type flip flop + clear	£0.32	Rapid	83-0110
SEM 25/0192	74HC192 Sync up/down decade counter	£0.30	Rapid	83-0112
SEM 25/0193	74HC193 Sync up/down BIN counter+ clear	£0.40	Rapid	83-0114
SEM 25/0194	74HC194 4-bit universal shift register	£0.40	Rapid	83-0116
SEM 25/0195	74HC195 4-bit parallel shift register	£0.00	Rapid	discontinued
SEM 25/0240	74HC240 Octal 3-state inverting buffer	£0.45	Rapid	83-0118
SEM 25/0241	74HC241 Octal 3-state buffer	£0.45	Rapid	83-0120
SEM 25/0244	74HC244 Octal 3-state buffer	£0.32	Rapid	83-0122
SEM 25/0245	74HC245 Octal 3-state bus transceiver	£0.32	Rapid	83-0124
SEM 25/0251	74HC251N 3-state selector multiplexer	£0.31	Farnell	378-781
SEM 25/0257	74HC257B1R Quad 2-input 3-state mux	£0.49	Farnell	311-3358
SEM 25/0259	74HC259 8-bit addressable latch	£0.28	Rapid	83-0130
SEM 25/0273	74HC273 8-bit register + clear	£0.22	Rapid	83-0132
SEM 25/0299	74HC299 8-bit universal store shift reg	£0.92	Rapid	83-0134
SEM 25/0365	74HC365N Hex 2-input NOR enable buffer	£0.62	Farnell	380-740
SEM 25/0367	74HC367 Hex 3-state buffer	£0.50	Rapid	83-0138
SEM 25/0368	74HC368B1R Hex 3-state inverting buffer	£0.59	Farnell	311-3413
SEM 25/0373	74HC373 Octal 3-state LATCH	£0.32	Rapid	83-0142
SEM 25/0374	74HC374 Octal 3-state D type flip flop	£0.32	Rapid	83-0144
SEM 25/0390	74HC390 Dual decade counter	£0.32	Rapid	83-0146
SEM 25/0393	74HC393 Dual 4-bit binary counter	£0.32	Rapid	83-0148
SEM 25/0563	74HC563 Octal transparent inv op latch	£0.55	Rapid	83-0150
SEM 25/0573	74HC573 Octal transparent latch	£0.45	Rapid	83-0152
SEM 25/0574	74HC574 Octal edge triggered latch	£0.45	Rapid	83-0154
SEM 25/0688	74HC688 8-bit magnitude comparator	£0.48	Rapid	83-0156
SEM 25/4002	74HC4002B1R Dual 4-input NOR gate	£0.00	Farnell	311-3838
SEM 25/4017	74HC4017 Decade/divider counter	£0.60	Rapid	83-0160
SEM 25/4020	74HC4020 14-bit binary counter	£0.32	Rapid	83-0162
SEM 25/4040	74HC4040 12-bit binary counter	£0.32	Rapid	83-0164
SEM 25/4060	74HC4060 14-bit binary counter	£0.32	Rapid	83-0166
SEM 25/4075	74HC4075 Triple 3-input OR gate	£0.25	Rapid	83-0168
SEM 25/4078	74HC4078 8-input NOR gate	£0.25	Rapid	83-0170
SEM 25/4511	74HC4511 BCD to 7 segment latch/driver	£0.65	Rapid	83-0172
SEM 25/4543	74HC4543 BCD to 7 latched LCD driver	£0.65	Rapid	83-0174
SEM 30	4000 SERIES			
SEM 30/40106	HEX SCHMITT TRIGGER	£0.20	Rapid	83-0312
SEM 30/4066	QUAD ANALOGUE SWITCH	£0.25	Rapid	83-0294
SEM 30/4093	QUAD 2 i/p NAND	£0.20	Rapid	83-0304
SEM 35	74 SERIES, TTL			
SEM 35/0007	7407,HEX BUFF/DRIVER with O/C 30V O/P	£0.40	Rapid	83-0494
SEM 35/0047	74LS47,BCD to 7 SEG 15V O/C DEC	£0.48	Rapid	83-0570
SEM 36	SENSOR INTERFACE ICs			
SEM 36/0010	TBA2800 INFRA-RED PREAMP	£3.39	MPS	JU36P

SWITCHES, SENSORS AND TRANSDUCERS

Code	Part Description	Price	Supplier	Supplier Code
SEM 08 QUARTZ CRYSTALS				
SEM 08/0020	3.579545MHz Crystal	£0.38	Rapid	90-0140
SEM 08/0030	4.0MHz Crystal	£0.38	Rapid	90-0145
SEM 08/0035	6.0MHz Crystal	£0.38	Rapid	90-0165
SEM 08/0040	8.0MHz Crystal	£0.38	Rapid	90-0180
SEM 08/0045	11.0592MHz Crystal	£0.38	Rapid	90-0215
SEM 08/0050	12.0MHz Crystal	£0.38	Rapid	90-0190
SEM 40 HEATSINKS				
SEM 40/0010	Heatsink,TO-220/TO-3P, Screw/clip,17.0 OC/W	£0.46	RS	197-2596
SEM 40/0020	Heatsink,TO-220, Screw fixing, 6.8 OC/W	£1.66	RS	402-995
SWI 01 SWITCHES, TOGGLE				
SWI 01/0010	Switch,toggle,miniature,SPDT,3A AC.	£0.45	Rapid	75-0130
SWI 01/0020	Switch,toggle,miniature,SPDT,centre off	£0.50	Rapid	75-0135
SWI 01/0030	Switch,toggle,miniature,SPDT,ON-OFF-(ON)	£0.65	Rapid	75-0152
SWI 01/0040	Switch,toggle,min,SPDT,(ON)-OFF-(ON)	£0.65	Rapid	75-0157
SWI 01/0050	Switch,toggle,miniature,DPDT,3A AC.	£0.60	Rapid	75-0140
SWI 03 SWITCHES, SLIDE				
SWI 03/0010	Switch,slide,SPDT,vertical,PCB mount	£0.55	Rapid	76-0200
SWI 03/0020	Switch,slide,DPDT,vertical,PCB mount	£0.65	Rapid	76-0220
SWI 03/0030	Switch,slide,SPDT,right angle,PCB mount	£0.58	Rapid	76-0205
SWI 04 SWITCHES, PUSH				
SWI 04/0010	Switch,push to make,button, red	£0.14	Rapid	78-0100
SWI 04/0020	Switch,push to break,button,black	£0.25	Rapid	78-0105
SWI 04/0030	Switch,D6 type,PCB keyboard,square,green	£0.32	Rapid	78-0255
SWI 04/0031	Switch,D6 type,PCB keyboard,square,red	£0.32	Rapid	78-0260
SWI 04/0032	Switch,D6 type,PCB keyboard,square,blue	£0.32	Rapid	78-0270
SWI 04/0040	Switch,standard interlock PCB,2 pole C/O	£0.35	Rapid	78-0500
SWI 05 SWITCHES, ROTARY				
SWI 05/0010	Switch,rotary,1 pole,12 way	£0.70	Rapid	79-0100
SWI 05/0020	Switch,rotary,2 pole, 6 way	£0.70	Rapid	79-0105
SWI 05/0030	Switch,rotary,3 pole, 4 way	£0.70	Rapid	79-0110
SWI 05/0040	Switch,rotary,4 pole,3 way	£0.70	Rapid	79-0115
SWI 06 SWITCHES, DIL				
SWI 06/0010	Switch,DIL,SPST,4 way,8 pin	£0.41	Rapid	80-0304
SWI 06/0020	Switch,DIL,SPST,8 way,16 pin	£0.51	Rapid	80-0312
SWI 10 SWITCHES, KEYPAD				
SWI 10/0010	Switch,data entry keypad,matrix,16 way	£5.00	Farnell	467-212
SWI 10/0020	Switch,data entry keypad,matrix,12 way	£4.00	Farnell	467-200
XDU 01 TRANSDUCERS & SENSORS				
XDU 01/0010	Ultrasonic transmitter	£1.80	Rapid	35-0175
XDU 01/0011	Ultrasonic receiver	£1.80	Rapid	35-0180
XDU 01/0020	LM35DZ Temperature Sensor	£1.46	RS	317-954