

Control Universal Ltd

BEEBEX

Circuit Diagram



BEEBEX - OPENS THE WORLD OF EUROCARDS TO THE BBC



BEEBEX

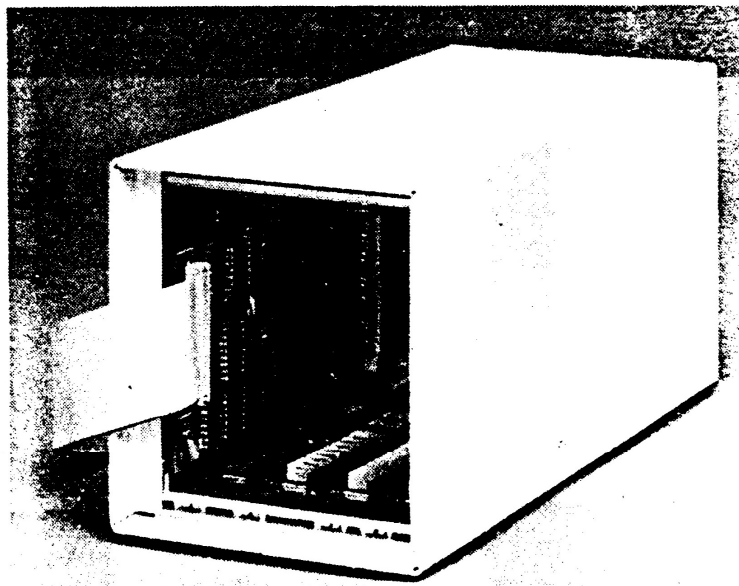
BEEBEX is a convenient 1 MHz bus Eurocard which enables CUBE Eurocards to be used as hardware extensions to the BBC Microcomputer. BEEBEX provides a 64kB extension memory map in the form of a CUBE backplane. The 256 byte 'window' of the 1 MHz bus can be directed at any part of this extension map, so enabling the BBC to access extra memory, serial, digital and analog input/output, even additional video and printer ports if required.

The CU-DRAM 64kB dynamic RAM cards, used in conjunction with BEEBEX, provide bulk memory extension for the BBC Microcomputer. An alternative memory extension is provided by CU-MEM, which can carry up to 64kB of battery-backed CMOS RAM.

BEEBEX - CUBE and the BBC Micro.

BEEBEX is supplied in two principal versions. The economy type is complete and self-contained, and consists of a cable from the BBC 1 MHz bus, to the latch circuitry on the BEEBEX Eurocard (160 x 100mm). The card has four on-board DIN 64 way sockets; into each of these a CUBE Eurocard can be plugged.

The rack-mounting version, the same PCB but without the sockets, has a 64 way DIN plug which is inserted into the CPU socket of a standard CUBE backplane. Then up to 15 Eurocards can be plugged into the backplane.



Enclosed BEEBEX + power supply.

Control Universal Ltd

Manufacturers of the CUBE Range of
Industrial Microcomputer Systems

Andersons Court

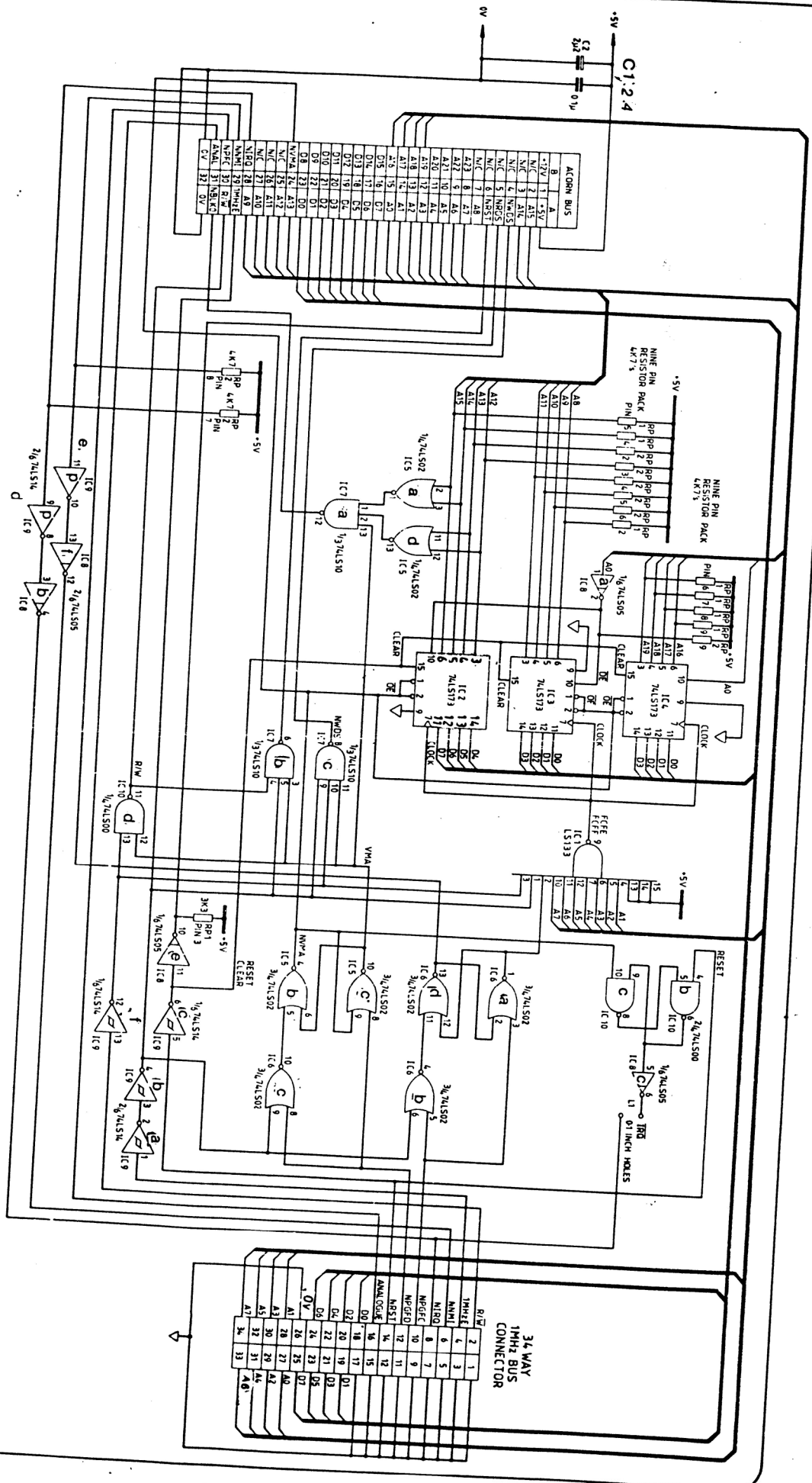
Newnham Road

Cambridge CB3 9EZ

Tel: Cambridge (0223) 358757

Telex 995801 GLOTX-G





ACORN BUS	
B	A
-12V	1 +5V
N/C	2 A15
N/C	3 A14
N/C	4 NMDS
N/C	5 NMDS
N/C	6 NMDS
N/C	7 A8
A25	8 A7
A22	9 A2
A21	10 A5
A20	11 A4
A19	12 A3
A18	13 A1
A17	14 A1
A16	15 A2
A15	16 D7
D14	17 D8
D13	18 D5
D12	19 D6
D11	20 D3
D10	21 D2
D9	22 D1
D8	23 D0
NVMA	24 A13
N/C	25 A17
N/C	26 A11
N/C	27 A10
NVMA	28 A9
NVMA	29 A8
NVMA	30 A7
NVMA	31 A6
NVMA	32 A5
NVMA	33 A4
NVMA	34 A3
NVMA	35 A2
NVMA	36 A1
NVMA	37 A0
NVMA	38 A0
NVMA	39 A0
NVMA	40 A0
NVMA	41 A0
NVMA	42 A0
NVMA	43 A0
NVMA	44 A0
NVMA	45 A0
NVMA	46 A0
NVMA	47 A0
NVMA	48 A0
NVMA	49 A0
NVMA	50 A0
NVMA	51 A0
NVMA	52 A0
NVMA	53 A0
NVMA	54 A0
NVMA	55 A0
NVMA	56 A0
NVMA	57 A0
NVMA	58 A0
NVMA	59 A0
NVMA	60 A0
NVMA	61 A0
NVMA	62 A0
NVMA	63 A0
NVMA	64 A0
NVMA	65 A0
NVMA	66 A0
NVMA	67 A0
NVMA	68 A0
NVMA	69 A0
NVMA	70 A0
NVMA	71 A0
NVMA	72 A0
NVMA	73 A0
NVMA	74 A0
NVMA	75 A0
NVMA	76 A0
NVMA	77 A0
NVMA	78 A0
NVMA	79 A0
NVMA	80 A0
NVMA	81 A0
NVMA	82 A0
NVMA	83 A0
NVMA	84 A0
NVMA	85 A0
NVMA	86 A0
NVMA	87 A0
NVMA	88 A0
NVMA	89 A0
NVMA	90 A0
NVMA	91 A0
NVMA	92 A0
NVMA	93 A0
NVMA	94 A0
NVMA	95 A0
NVMA	96 A0
NVMA	97 A0
NVMA	98 A0
NVMA	99 A0
NVMA	100 A0

34 WAY 1MHz BUS CONNECTOR	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

BEEBEX-1

ISSUE	COMMENT	DATE
1		27/03/83
2		
3		
4		
5		

10580-2

Control Universal Limited
 Unit 2, Andersons Court
 Newnham Road
 Cambridge CB3 9E2
 Tel: (0223) 358757

