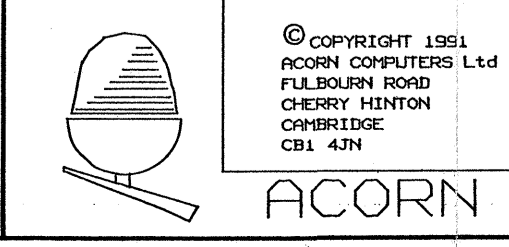


| ROM Size selection | | | | ROM Type selection | | 5th Column ROM Size Selection (JEDEC Only Device) | |
|--------------------|------|------|------|----------------------------|---------|---|------|
| SIZE | LK14 | LK11 | LK12 | SIZE | LK10 | TYPE and SIZE | LK15 |
| 27C01 | 1 | 1 | 1 | NON JEDEC IN EPROMs | 1:2 3:4 | JEDEC EPROM ROM 80 B1R | 1:2 |
| 27C02 | 2 | 2 | 2 | JEDEC 1/2/4/8M EPROMs/ROMs | 1:2 3:4 | | 2:3 |

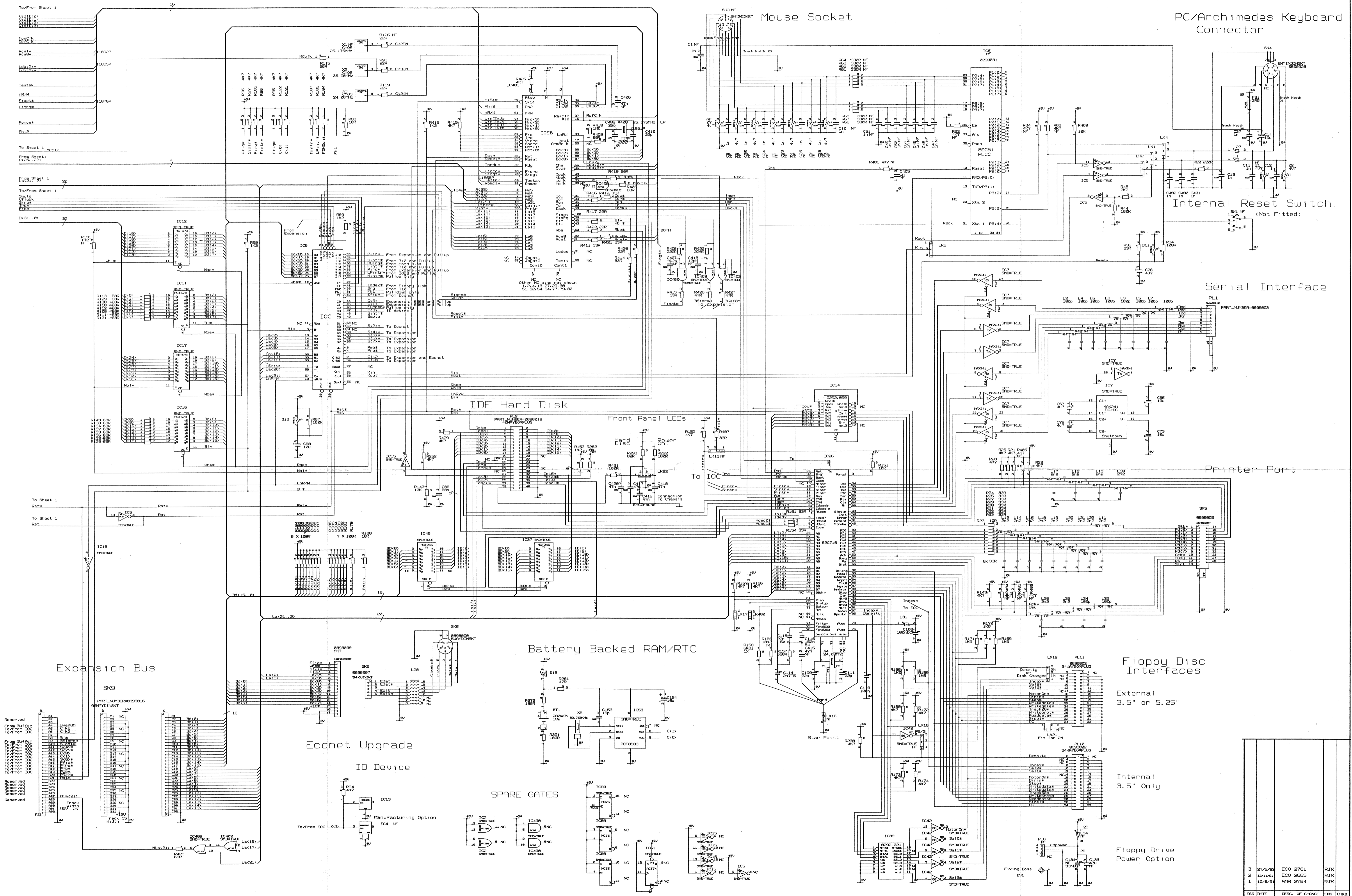
| ISS | DATE | DESC. OF CHANGE | ENG. | CHKD. |
|-----|---------|-----------------|------|-------|
| 3 | 27/5/92 | ECO 2761 | RJK | |
| 2 | 12/1/91 | ECO 2665 | RJK | |
| 1 | 18/6/90 | APR 2784 | RJK | |

| | |
|----------------|--|
| SCALE | ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED |
| MATERIAL | |
| FINISH | |
| WHOLE No. TOL. | DECIMAL No. TOL. ANGLE TOL. |

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TITLE: A5000 Main PCB Circuit Diagram sheet 1/4
 ACORN COMPUTERS Ltd
 DRG. No. 0192, 000 /C

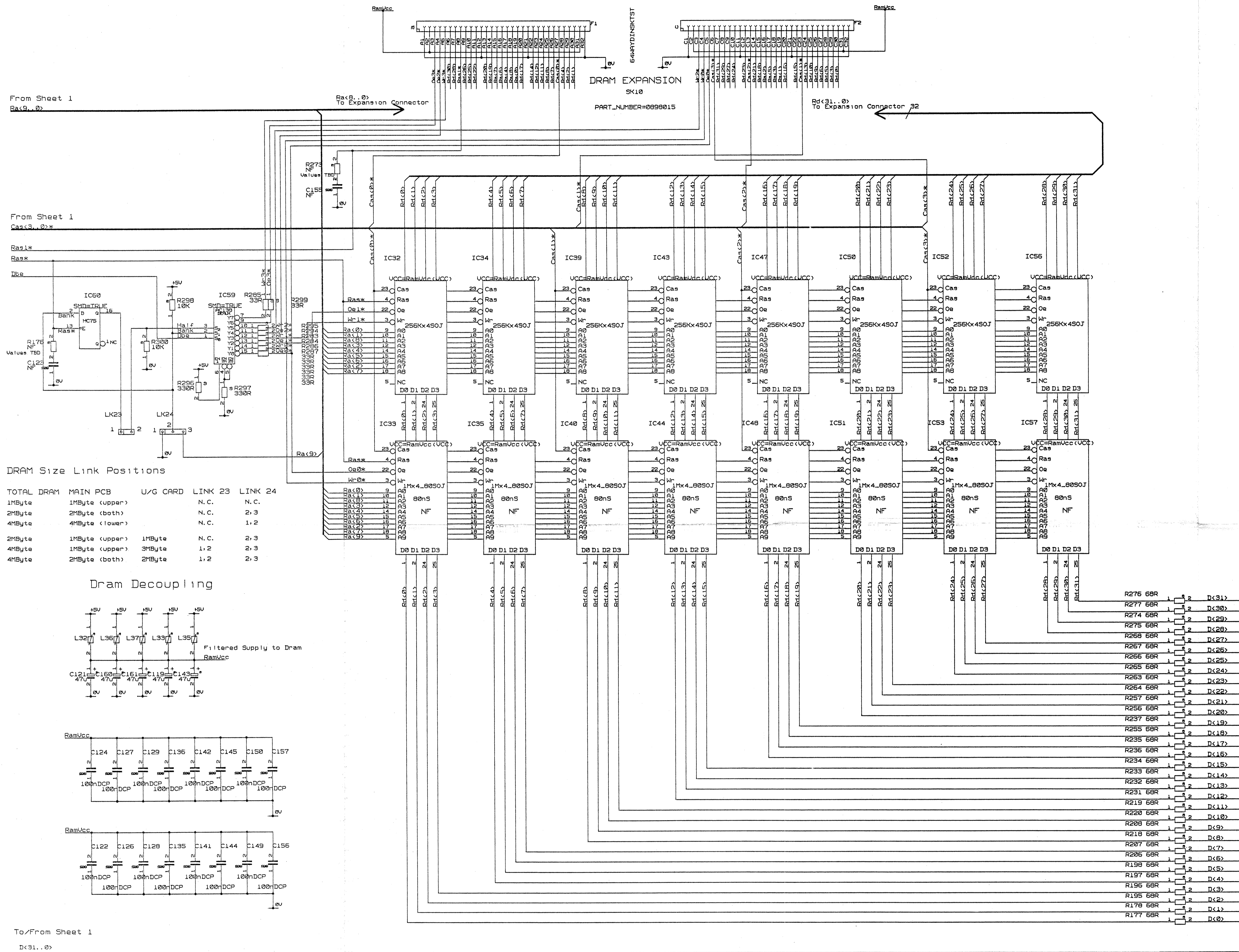
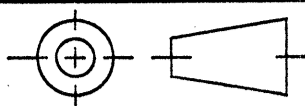


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| | | |
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| | ACORN COMPUTERS Ltd | DRG. No 0192,000 /C |

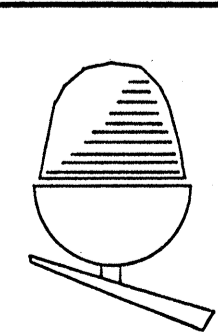
| | | | |
|-----|---------|-----------------|-----------|
| ISS | DATE | DESC. OF CHANGE | ENG. CHG. |
| 3 | 27/5/92 | ECO 2761 | RJK |
| 2 | 12/1/91 | ECO 2665 | RJK |
| 1 | 18/6/90 | APR 2784 | RJK |



| ISS | DATE | DESC. OF CHANGE | ENG. | CHKD. |
|-----|----------|-----------------|------|-------|
| 3 | 27/5/92 | ECO 2761 | RJK | |
| 2 | 12/11/91 | ECO 2665 | RJK | |
| 1 | 10/6/91 | AMR 2784 | RJK | |

| | | | |
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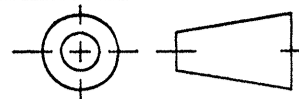
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CAMBRIDGE
CB1 4JN

TITLE A5000 Main PCB
Circuit Diagram sheet 3/4
ACORN COMPUTERS Ltd A1 DRG. No 0192,000 /C

A1

DRG. No. 0192,000 /C

FIRST USED ON



THIRD ANGLE PROJECTION

IF IN DOUBT ASK

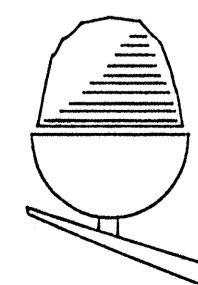
DO NOT SCALE

| DESIGNATOR | PART TYPE | F5V | GND | RAMVCC | VCC | DESIGNATOR | PART TYPE | F5V | GND | RAMVCC | VCC |
|------------|------------------|-----|-----|--------|-----|------------|------------------|-----|-----|--------|-----|
| IC1 | LM386-SMD | | 4 | | 6 | IC54 | ARM3 | | 15 | | 13 |
| IC2 | 74ACT86-SMD | | 7 | | 14 | | | | 24 | | 25 |
| IC3 | LM324-SMD | 4 | 11 | | | | | | 39 | | 41 |
| IC5 | 74HC14-SMD | | 7 | | 14 | | | | 53 | | 55 |
| IC6 | 80C51PLCC-SMD | | 22 | | 44 | | | | 59 | | 78 |
| IC7 | MAX241-SMD | | 10 | | 11 | | | | 80 | | 87 |
| IC8 | IOC-8MHZ | | 9 | | 25 | | | | 85 | | 102 |
| | | | 43 | | 60 | | | | 90 | | 122 |
| IC402 | 74AC32-SMD | | 7 | | 14 | | | | 103 | | 139 |
| IC11 | HCT573-SMD | | 10 | | 20 | | | | 115 | | 141 |
| IC12 | HCT573-SMD | | 10 | | 20 | | | | 129 | | 159 |
| IC14 | 0292099-SK | | 10 | | 20 | | | | 140 | | |
| IC15 | 74HCT14-SMD | | 7 | | 14 | | | | 149 | | |
| IC16 | HCT573-SMD | | 10 | | 20 | | | | 160 | | |
| IC17 | HCT573-SMD | | 10 | | 20 | IC55 | FPA-SK | | 4 | | 5 |
| IC401 | IOEB-STD | | 15 | | 41 | | | | 11 | | 14 |
| | | | 33 | | 91 | | | | 15 | | 18 |
| | | | 48 | | | | | | 19 | | 22 |
| | | | 58 | | | | | | 23 | | 31 |
| | | | 65 | | | | | | 26 | | 38 |
| | | | 84 | | | | | | 32 | | 48 |
| | | | 98 | | | | | | 39 | | 56 |
| IC400 | 74AC08-SMD | | 7 | | 14 | | | | 47 | | 66 |
| | | | | | | | | | 55 | | |
| IC26 | 82C710 | | 18 | | 27 | IC56 | 256KX450J, VCC | | 26 | 13 | |
| | | | 43 | | 67 | IC57 | 1MX4_8050J-80NS3 | | 26 | 13 | |
| | | | 59 | | | IC59 | 74AC138-SMD | | 8 | | 16 |
| IC32 | 256KX450J, VCC | | 26 | 13 | | IC60 | 74HC75-SMD | | 12 | | 5 |
| IC33 | 1MX4_8050J-80NS3 | | 26 | 13 | | IC61 | 74ACT74-SMD | | 7 | | 14 |
| IC34 | 256KX450J, VCC | | 26 | 13 | | X1 | XTALOSC-24M00C | | 7 | | 11 |
| IC35 | 1MX4_8050J-80NS3 | | 26 | 13 | | | | | | | 14 |
| IC36 | 74HC573-SMD | | 10 | | 20 | X2 | XTALOSC-25M17C | | 7 | | 11 |
| IC37 | 74HCT245-SMD | | 10 | | 20 | | | | | | 14 |
| IC38 | 0292021-SK | | 10 | | 20 | X3 | XTALOSC-35M00C | | 7 | | 11 |
| IC39 | 256KX450J, VCC | | 26 | 13 | | | | | | | 14 |
| IC40 | 1MX4_8050J-80NS3 | | 26 | 13 | | X6 | XTALOSC-50M00T | | 7 | | 11 |
| IC41 | MEMC-12MHZ | | 27 | | 9 | | | | | | 14 |
| | | | 61 | | 43 | | | | | | 14 |
| IC42 | 7405-SMD | | 7 | | 14 | | | | | | |
| IC43 | 256KX450J, VCC | | 26 | 13 | | | | | | | |
| IC44 | 1MX4_8050J-80NS3 | | 26 | 13 | | | | | | | |
| IC45 | 74HC573-SMD | | 10 | | 20 | | | | | | |
| IC46 | 74HC573-SMD | | 10 | | 20 | | | | | | |
| IC47 | 256KX450J, VCC | | 26 | 13 | | | | | | | |
| IC48 | 1MX4_8050J-80NS3 | | 26 | 13 | | | | | | | |
| IC49 | 74HCT245-SMD | | 10 | | 20 | | | | | | |
| IC50 | 256KX450J, VCC | | 26 | 13 | | | | | | | |
| IC51 | 1MX4_8050J-80NS3 | | 26 | 13 | | | | | | | |
| IC52 | 256KX450J, VCC | | 26 | 13 | | | | | | | |
| IC53 | 1MX4_8050J-80NS3 | | 26 | 13 | | | | | | | |

| | | | |
|-----|----------|-----------------|------------|
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| 2 | 12/11/91 | ECO 2665 | RJK |
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| ISS | DATE | DESC. OF CHANGE | ENG. CHKD. |

| | | | |
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TITLE A5000 Main PCB Power and Ground Sheet 4/4