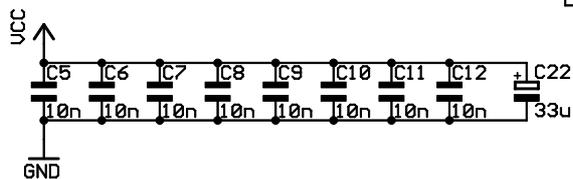
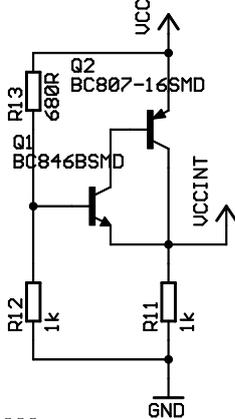
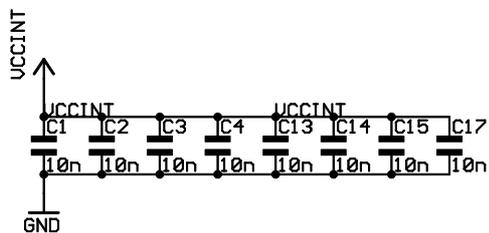
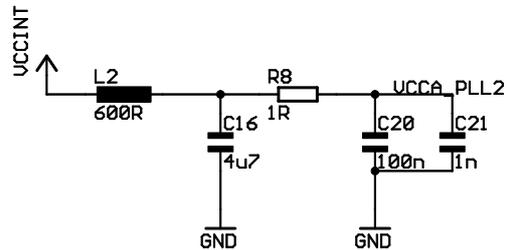
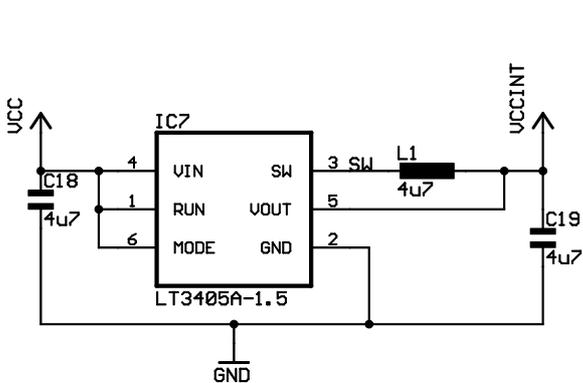


| IC1RA | | IC5 | |
|----------|-----|-----|------|
| RAMA_A0 | 64 | 1 | A0 |
| RAMA_A1 | 66 | 2 | A1 |
| RAMA_A2 | 68 | 3 | A2 |
| RAMA_A3 | 74 | 4 | A3 |
| RAMA_A4 | 76 | 5 | A4 |
| RAMA_A5 | 107 | 18 | A5 |
| RAMA_A6 | 113 | 19 | A6 |
| RAMA_A7 | 115 | 20 | A7 |
| RAMA_A8 | 117 | 21 | A8 |
| RAMA_A9 | 119 | 22 | A9 |
| RAMA_A10 | 118 | 23 | A10 |
| RAMA_A11 | 116 | 24 | A11 |
| RAMA_A12 | 114 | 25 | A12 |
| RAMA_A13 | 108 | 26 | A13 |
| RAMA_A14 | 106 | 27 | A14 |
| RAMA_A15 | 67 | 42 | A15 |
| RAMA_A16 | 65 | 43 | A16 |
| RAMA_A17 | 63 | 44 | A17 |
| | | | |
| RAMA_D0 | 82 | 7 | DQ0 |
| RAMA_D1 | 84 | 8 | DQ1 |
| RAMA_D2 | 86 | 9 | DQ2 |
| RAMA_D3 | 88 | 10 | DQ3 |
| RAMA_D4 | 94 | 13 | DQ4 |
| RAMA_D5 | 98 | 14 | DQ5 |
| RAMA_D6 | 100 | 15 | DQ6 |
| RAMA_D7 | 104 | 16 | DQ7 |
| RAMA_D8 | 101 | 29 | DQ8 |
| RAMA_D9 | 99 | 30 | DQ9 |
| RAMA_D10 | 95 | 31 | DQ10 |
| RAMA_D11 | 93 | 32 | DQ11 |
| RAMA_D12 | 87 | 35 | DQ12 |
| RAMA_D13 | 85 | 36 | DQ13 |
| RAMA_D14 | 83 | 37 | DQ14 |
| RAMA_D15 | 79 | 38 | DQ15 |
| | | | |
| RAMA_NCS | 78 | 6 | NCS |
| RAMA_NOE | 73 | 41 | UCC |
| RAMA_NWE | 105 | 17 | UCC |
| RAMA_NLB | 77 | 39 | GND |
| RAMA_NUB | 75 | 40 | GND |

CYCLONE RAM256KX16T

| IC1RB | | IC6 | |
|----------|-----|-----|------|
| RAMB_A0 | 237 | 1 | A0 |
| RAMB_A1 | 235 | 2 | A1 |
| RAMB_A2 | 233 | 3 | A2 |
| RAMB_A3 | 227 | 4 | A3 |
| RAMB_A4 | 225 | 5 | A4 |
| RAMB_A5 | 194 | 18 | A5 |
| RAMB_A6 | 188 | 19 | A6 |
| RAMB_A7 | 186 | 20 | A7 |
| RAMB_A8 | 184 | 21 | A8 |
| RAMB_A9 | 182 | 22 | A9 |
| RAMB_A10 | 183 | 23 | A10 |
| RAMB_A11 | 185 | 24 | A11 |
| RAMB_A12 | 187 | 25 | A12 |
| RAMB_A13 | 193 | 26 | A13 |
| RAMB_A14 | 195 | 27 | A14 |
| RAMB_A15 | 234 | 42 | A15 |
| RAMB_A16 | 236 | 43 | A16 |
| RAMB_A17 | 238 | 44 | A17 |
| | | | |
| RAMB_D0 | 219 | 7 | DQ0 |
| RAMB_D1 | 217 | 8 | DQ1 |
| RAMB_D2 | 215 | 9 | DQ2 |
| RAMB_D3 | 213 | 10 | DQ3 |
| RAMB_D4 | 207 | 13 | DQ4 |
| RAMB_D5 | 203 | 14 | DQ5 |
| RAMB_D6 | 201 | 15 | DQ6 |
| RAMB_D7 | 197 | 16 | DQ7 |
| RAMB_D8 | 200 | 29 | DQ8 |
| RAMB_D9 | 202 | 30 | DQ9 |
| RAMB_D10 | 206 | 31 | DQ10 |
| RAMB_D11 | 208 | 32 | DQ11 |
| RAMB_D12 | 214 | 35 | DQ12 |
| RAMB_D13 | 216 | 36 | DQ13 |
| RAMB_D14 | 218 | 37 | DQ14 |
| RAMB_D15 | 222 | 38 | DQ15 |
| | | | |
| RAMB_NCS | 223 | 6 | NCS |
| RAMB_NOE | 228 | 41 | UCC |
| RAMB_NWE | 196 | 17 | UCC |
| RAMB_NLB | 224 | 39 | GND |
| RAMB_NUB | 226 | 40 | GND |

CYCLONE RAM256KX16T



| IC1POW | |
|--------|--------|
| 10 | GND |
| 40 | GND |
| 52 | GND |
| 69 | GND |
| 71 | GND |
| 80 | GND |
| 89 | GND |
| 91 | GND |
| 96 | GND |
| 102 | GND |
| 109 | GND |
| 111 | GND |
| 129 | GND |
| 142 | GND |
| 171 | GND |
| 190 | GND |
| 192 | GND |
| 199 | GND |
| 205 | GND |
| 210 | GND |
| 212 | GND |
| 221 | GND |
| 230 | GND |
| 232 | GND |
| 30 | GND |
| 151 | GND |
| 31 | GND |
| 150 | GND |
| 9 | UCC |
| 22 | UCC |
| 51 | UCC |
| 189 | UCC |
| 209 | UCC |
| 231 | UCC |
| 130 | UCC |
| 157 | UCC |
| 172 | UCC |
| 70 | UCC |
| 92 | UCC |
| 112 | UCC |
| 27 | UCCINT |
| 154 | UCCINT |
| 72 | UCCINT |
| 81 | UCCINT |
| 90 | UCCINT |
| 97 | UCCINT |
| 103 | UCCINT |
| 110 | UCCINT |
| 191 | UCCINT |
| 198 | UCCINT |
| 204 | UCCINT |
| 211 | UCCINT |
| 220 | UCCINT |
| 229 | UCCINT |

CYCLONE

