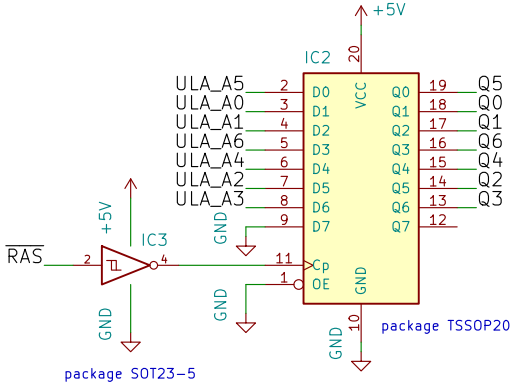
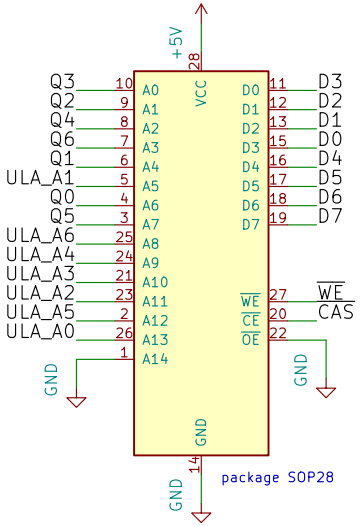
DRAM 4116 to sram convertor – SMD version

Simplified version published by Alwin Henseler 02/2009 on WoS.
Similar to https://worldofspectrum.org/forums/discussion/43682/



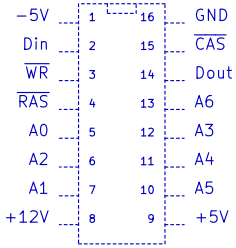


Rozdily v pinoutu RAM 4116/2116		
ZX Spectrum	pin	Didaktik Gama
Vbb (−5V)	1	nc
data	2	data
$\overline{WR}$	3	$\overline{WR}$
$\overline{RAS}$	4	$\overline{RAS}$
A0	5	A0
A2	6	A2
A1	7	A1
Vdd (+12V)	8	Vcc (+5V)
Vcc (+5V)	9	Vcc (+5V)
A5	10	A5
A4	11	A4
A3	12	A3
A6	13	A6
data	14	data
$\overline{CAS}$	15	$\overline{CAS}$
GND	16	GND

All pins 1 are connected together on board of Didaktik Gama 89, but signal isn't connected anywhere else.

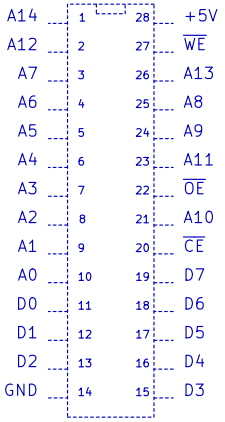
Pin 2 is always connected to the pin 14 and then both are connected to the ULA data pin.

pinout of socket for 4116 in ZXS 48k

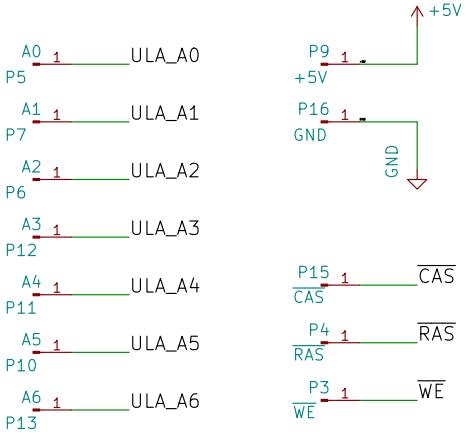


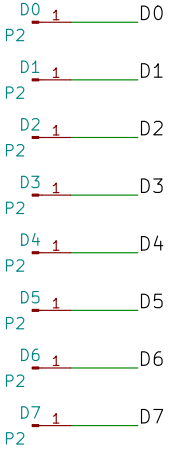
By datasheets for
Mitsubishi M5M5256DFP
Alliance 62C256AL

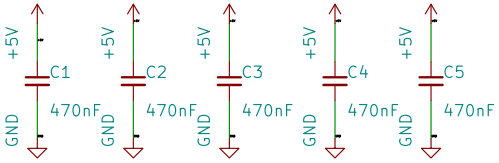
pinout SRAM 32kx8



$\overline{CE}$ – chip enable
$\overline{OE}$ – output enable







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