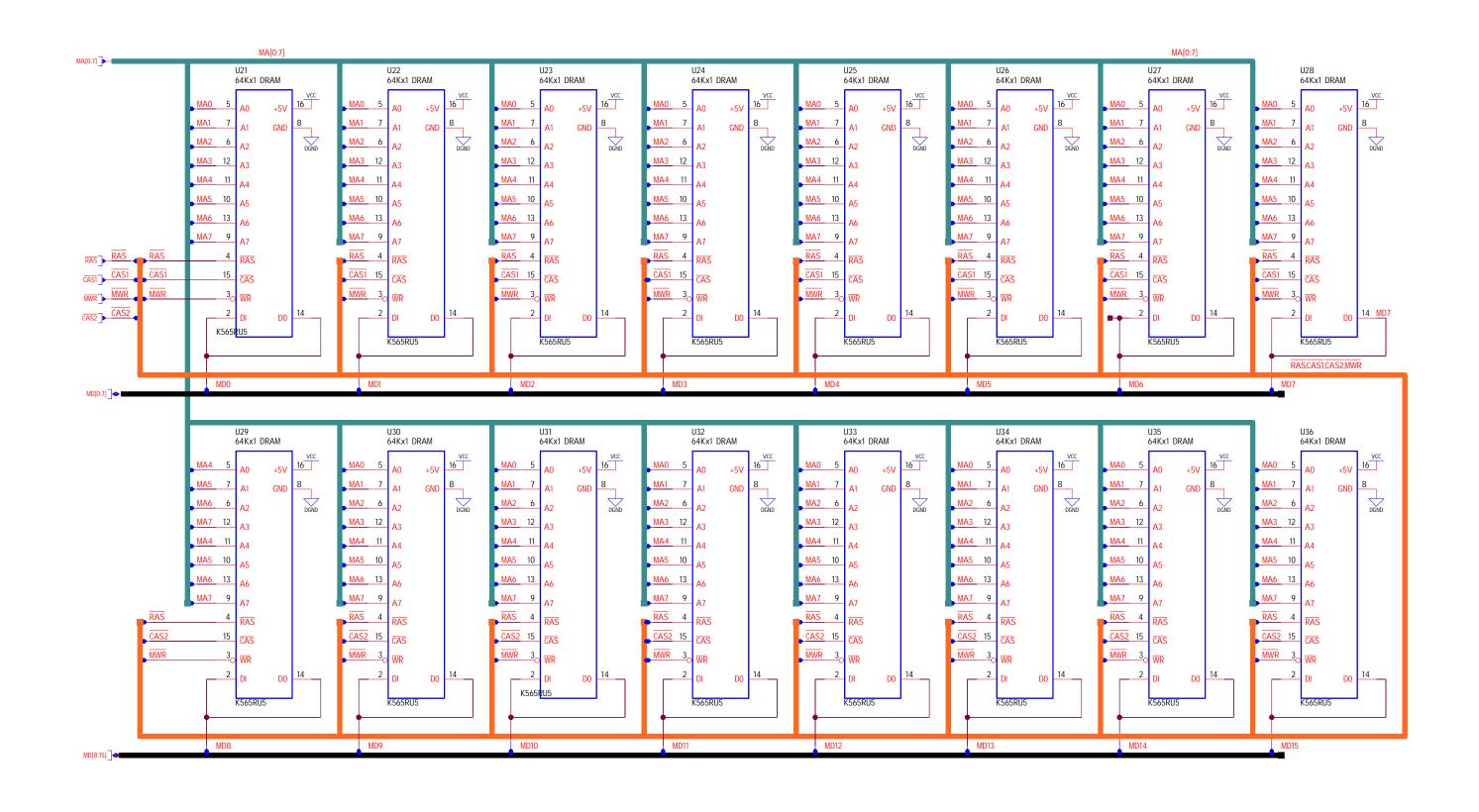




RADUGA Computer

A3	Alfa3			ROM 1	a3
Sh	erlock	SHEET 2	16	21/04/2019:11:29	





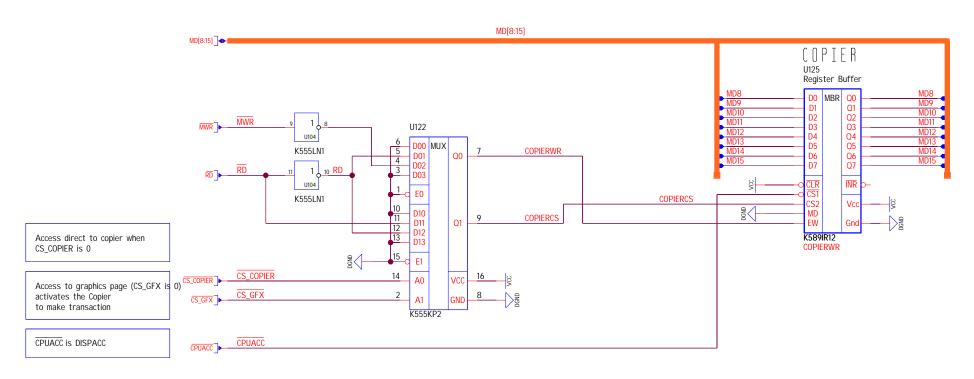
221B Baker Street

RETRO COMPUTERS

RADUGA Computer

A3 Alfa3 Memory 1 a3

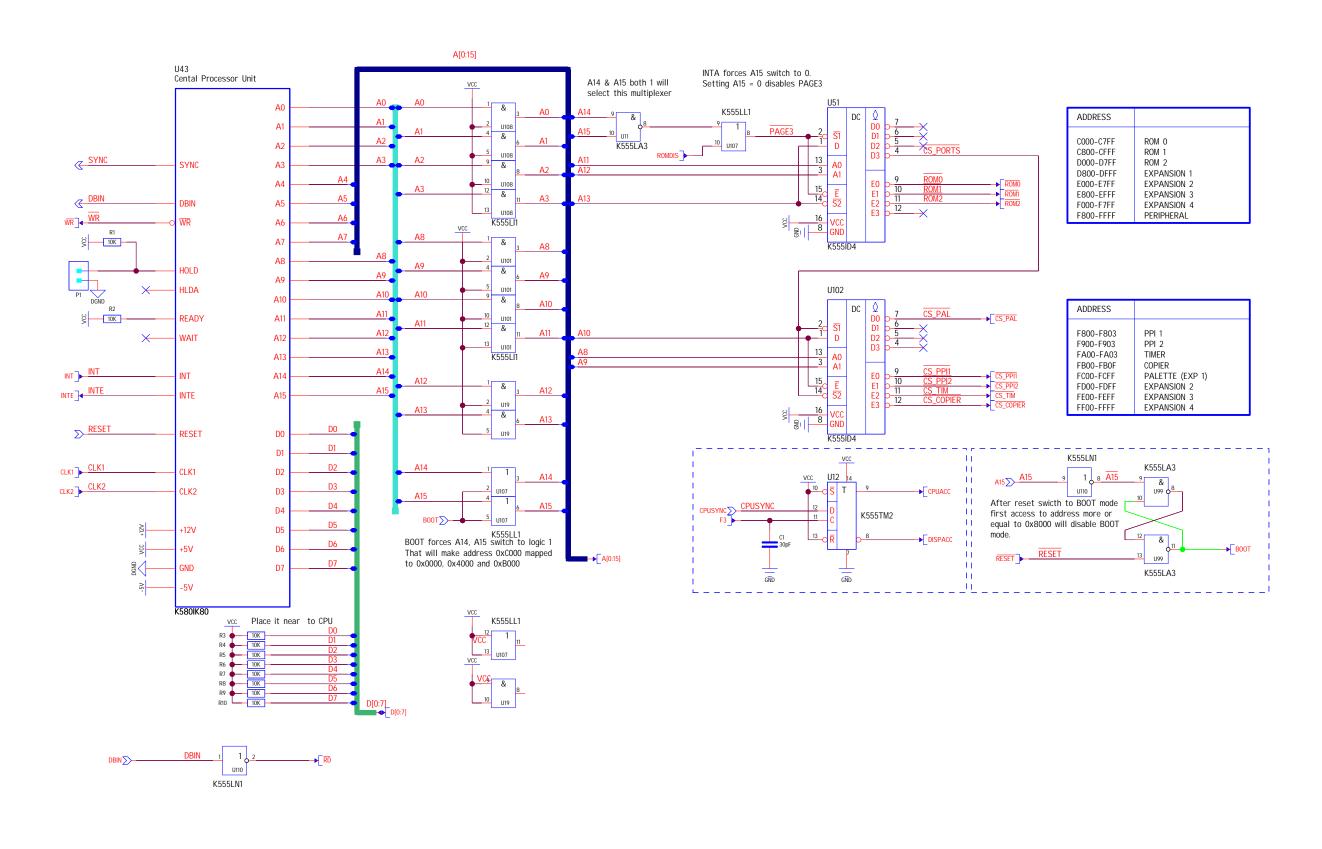
RAWN BY Sherlock 3 16 21/04/2019:11:22



B 8	UF_PAGE 000-BFF					
CPUACC		CSCOPI ER	RD	MWR		COPIER's Operation
1	Χ	Χ	Χ	Х		Nothi ng
Х	0	0	Χ	Х		Nothi ng
Х	1	1	Χ	Х		Nothi ng
0	0	1	Acce	ess to	PAGE2	
	Sel ect	ed In 1	0	Χ	Read	Store
			1	Х	Wri te	Read
0	_ 1	0	Acce	ess to	COPI ER	
	Sel ect	ted In 2	0	1	Read	Read
	22.00		1	0	Write	Store

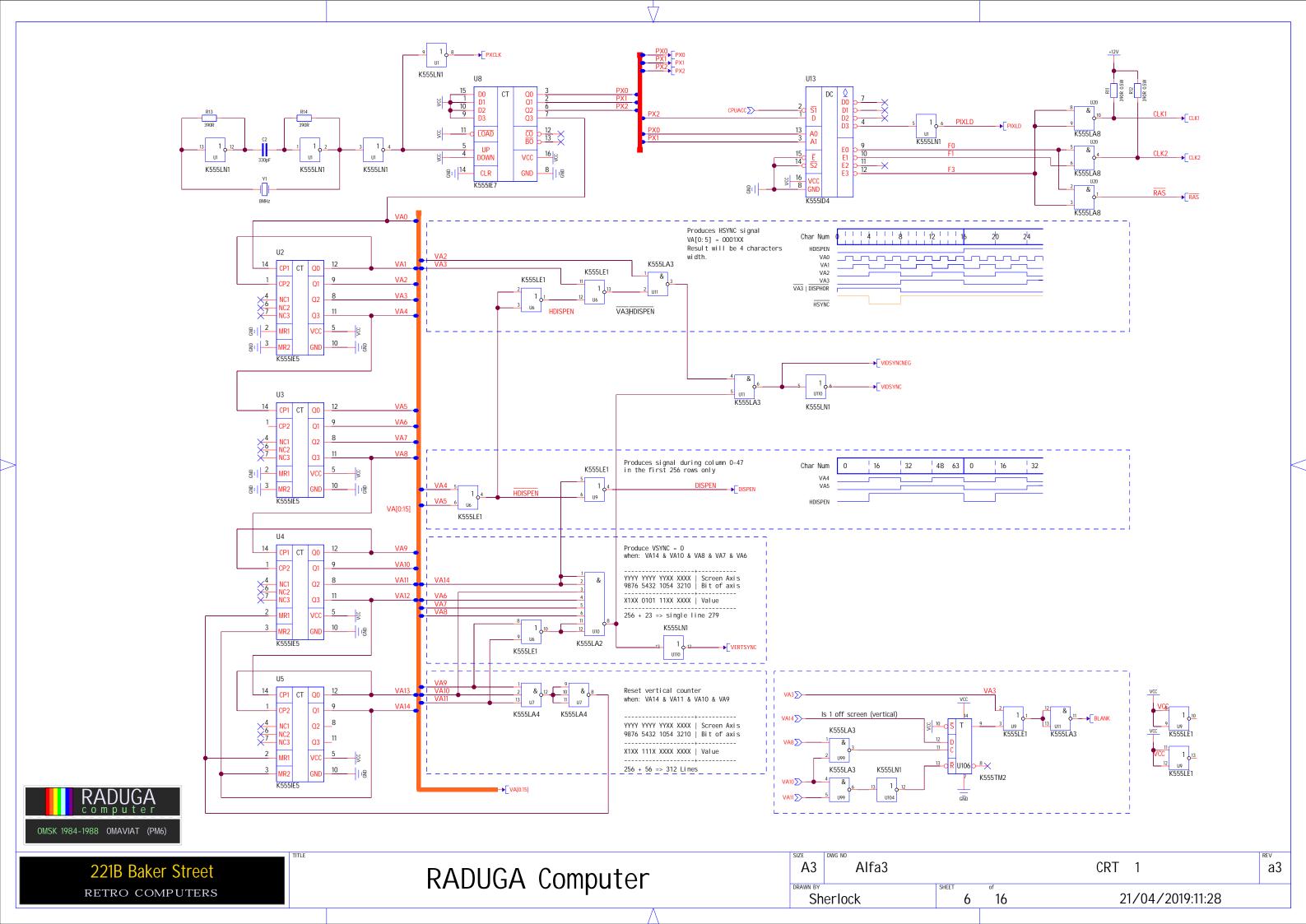


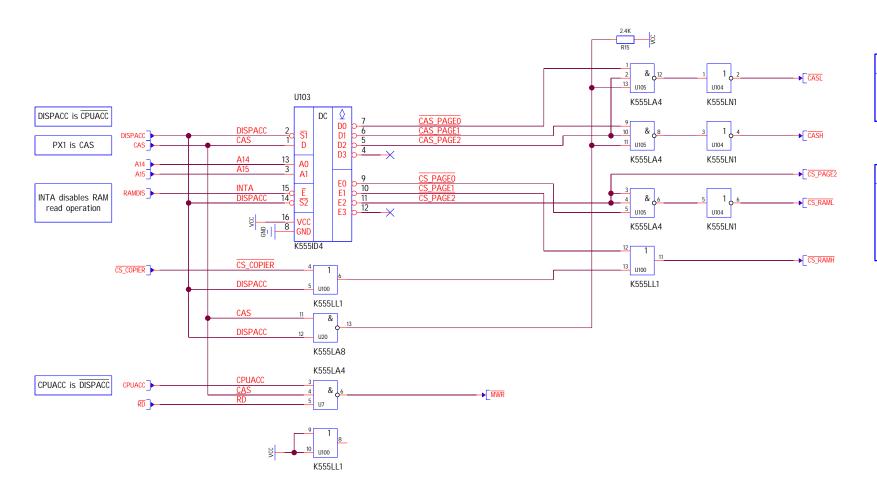
RADUGA Computer





A3	Alfa3			CPU 1	a3
DRAWN BY	erlock	SHEET 5	of 16	21/04/2019:11:25	





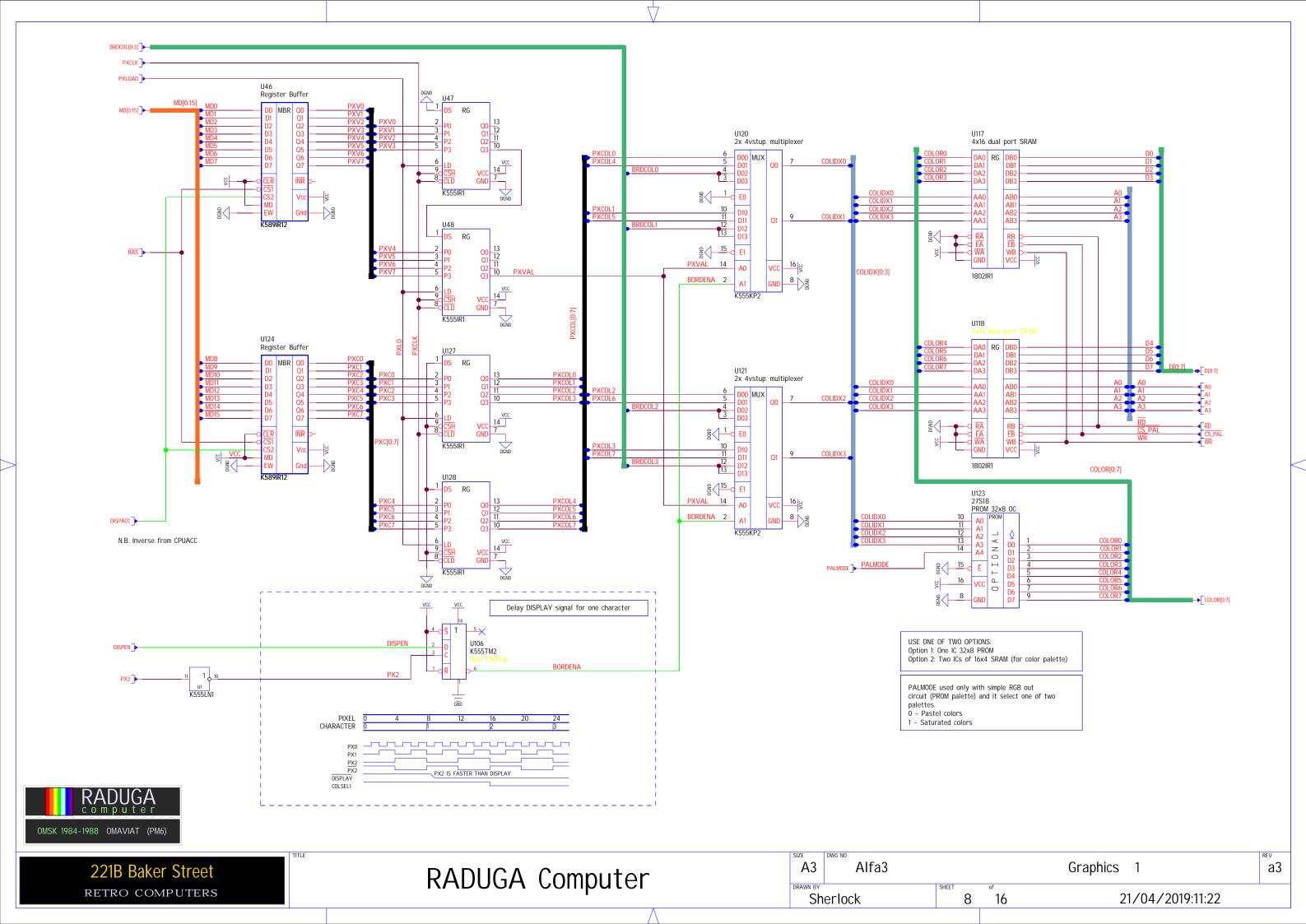
PAGE	ADDERSS	CAS1	CAS2
3	C000-FFFF		NO
2	8000-BFFF		YES
1	4000-7FFF		YES
0	0000-3FFF		NO

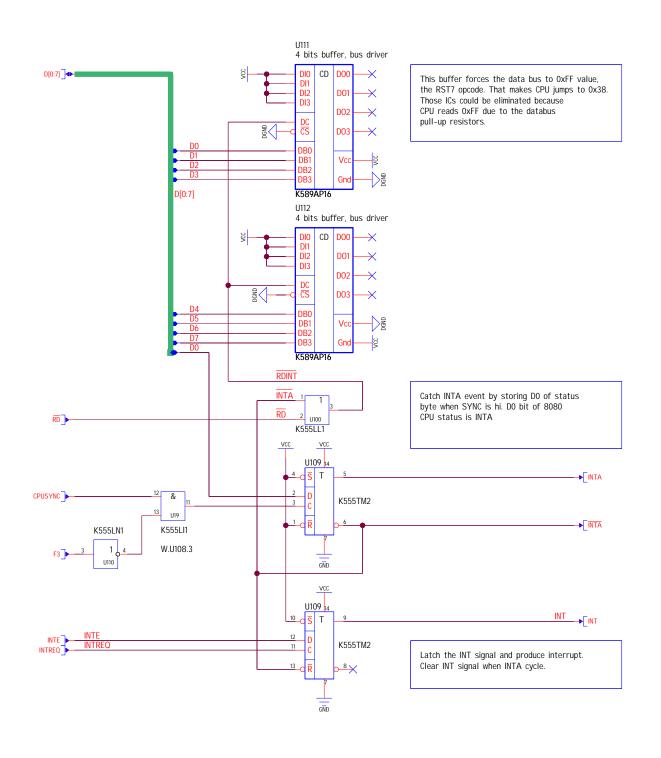
PAGE	ADDERSS	MEMBUF1	MEMBUF2
3	COOO-FFFF	NO	NO
2	8000-BFFF	YES	YES
1	4000-7FFF	NO	YES
0	0000-3FFF	YES	NO
COPIER	FB00-FB0F	NO	YES



RADUGA (Computer
----------	----------

A3	Alfa3				ControllerDRAM 1	a3
DRAWN BY	erlock	SHEET	7	of 16	21/04/2019:11:22	

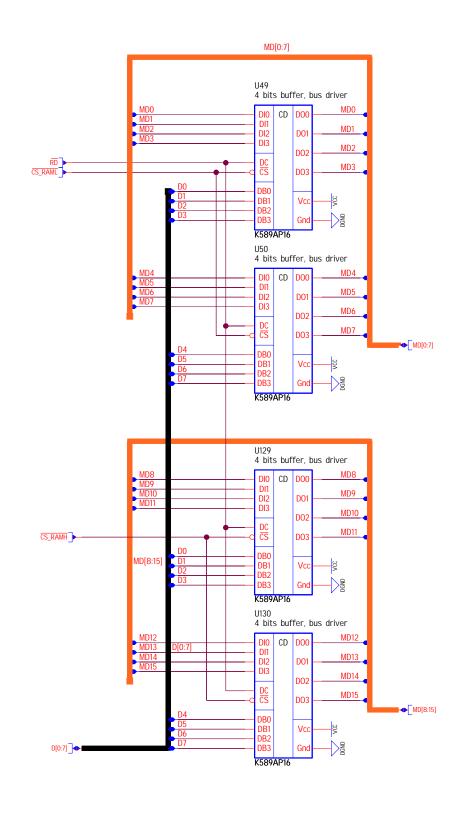






RADUGA Computer

A3 Name of Sherlock Page 16 Name of Sheet Page 18 Name of Sherlock Page 16 Name of Sheet Page 18 Name of Sheet

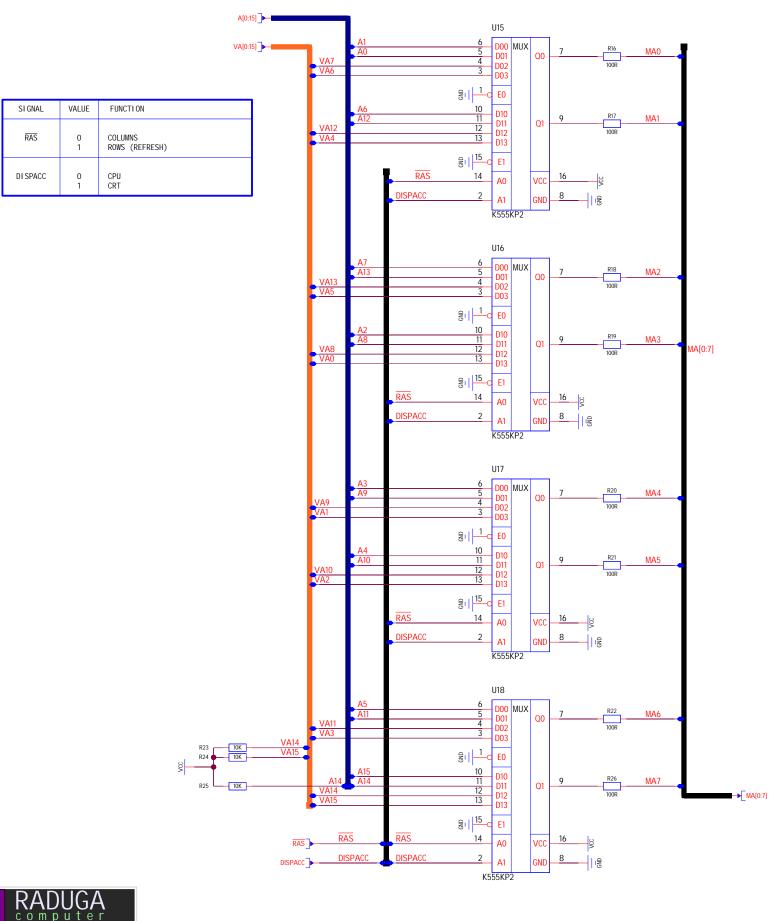




RADUGA Computer

A3 Alfa3 MemoryBuffer 1 a3

DRAWN BY Sherlock 10 16 21/04/2019:11:22



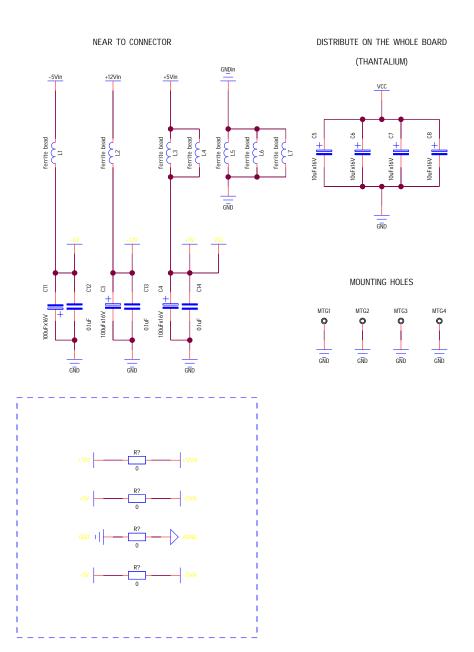
Dynamic Memory Map RADUGA used manufacturer de-rated half sized memory. That is why with 16 ICs there were only 64KB memory. RAM H RAM L (PIXELS) (COLORS) FFFF C000 PAGE 1 PAGE 1 8000 PAGE 0 4000 PAGE 0 0000

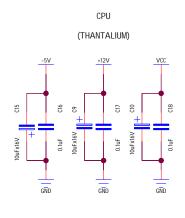


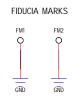
221B Baker Street RETRO COMPUTERS

RADUGA Computer

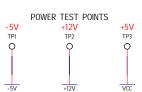
A 3	Alfa3			Multiplexer	1	a3
RAWN BY Sh	erlock	SHEET 11	of 16	2	1/04/2019:11:28	







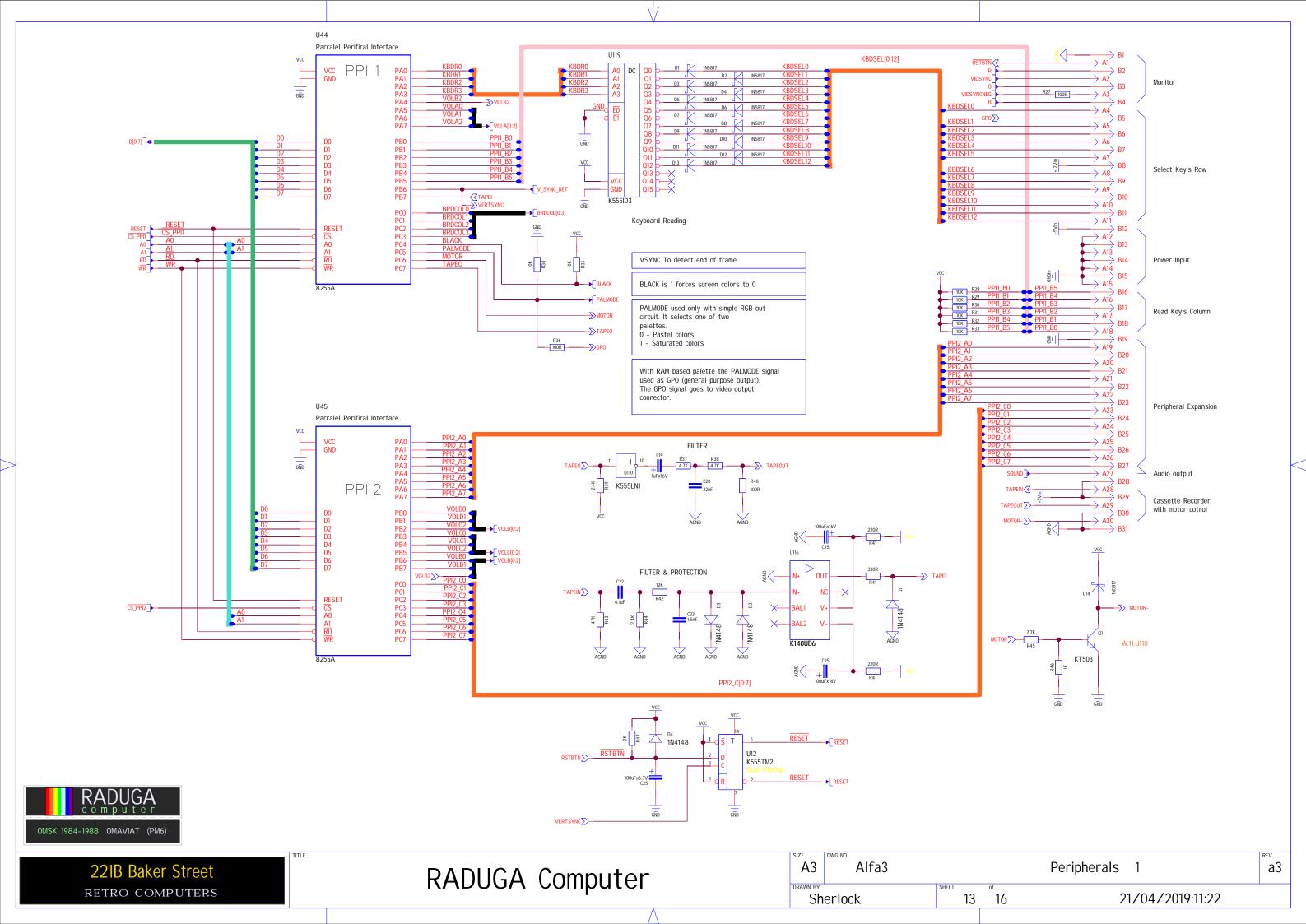


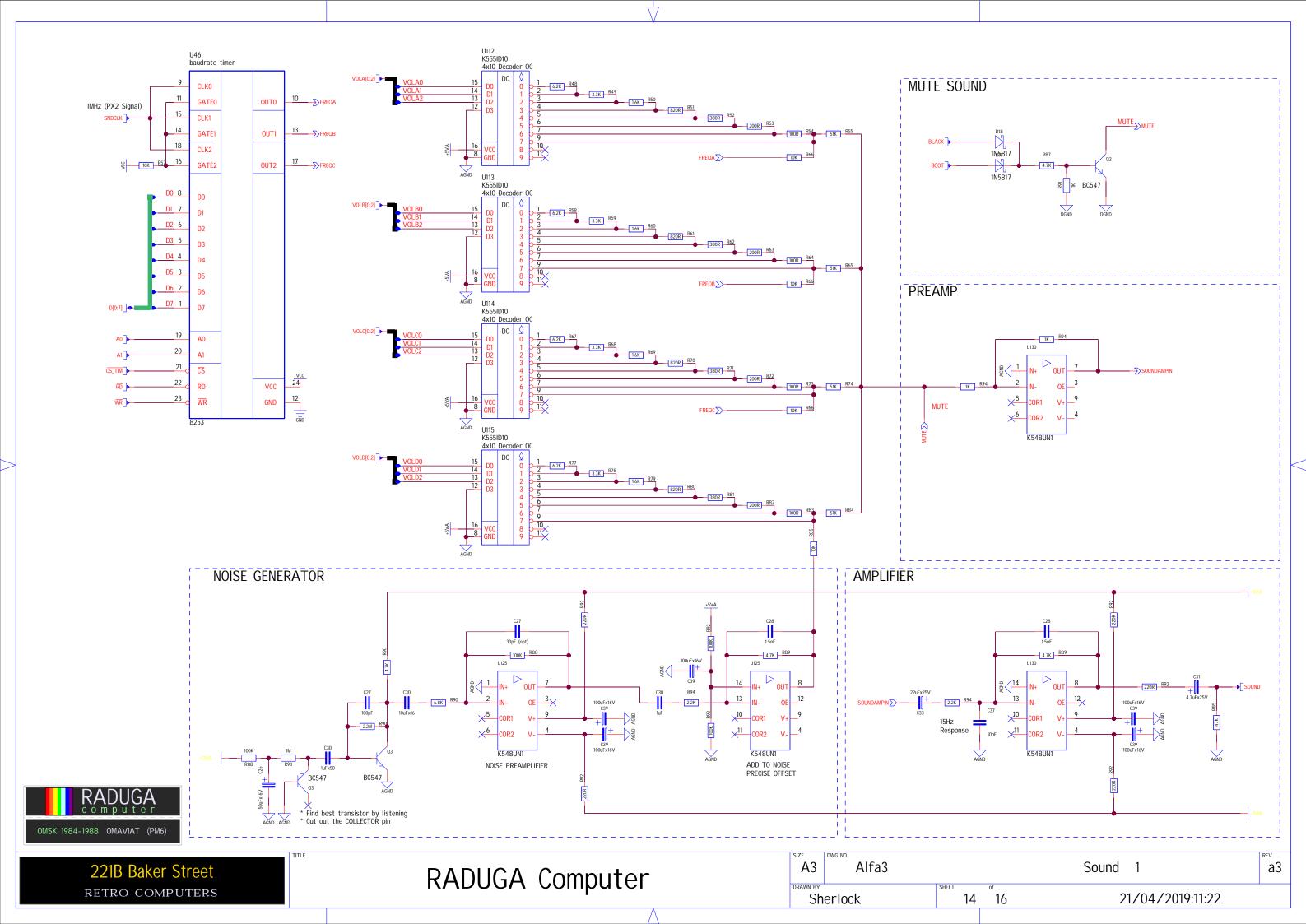




RADUGA C	omputer
----------	---------

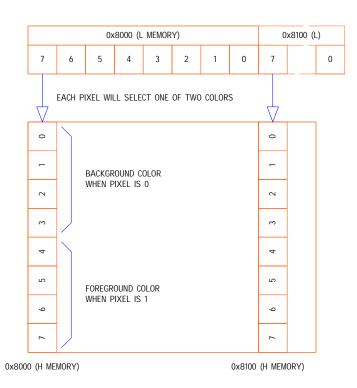
ZE DWG NO			REV
A3 Alfa3		Power 1	a3
Sherlock	SHEET of 16	21/04/2019:11:22	



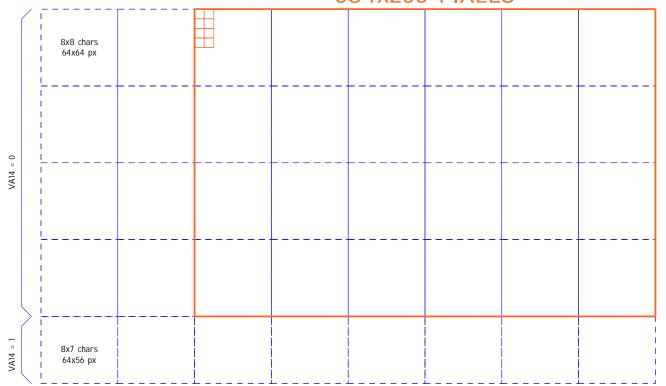


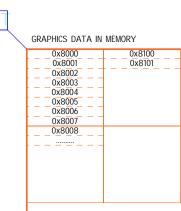
Required vertical timing Last visible horizontal Line 1st visible horizontal line VA10 (Y4) BLANK Required horzontal timing (only for composed video)

STANDART SPECIALIST	12us 4.7us 1.5us
HOR_VISIBLE	
HOR_SYNC	ļ ļ
BLANK	

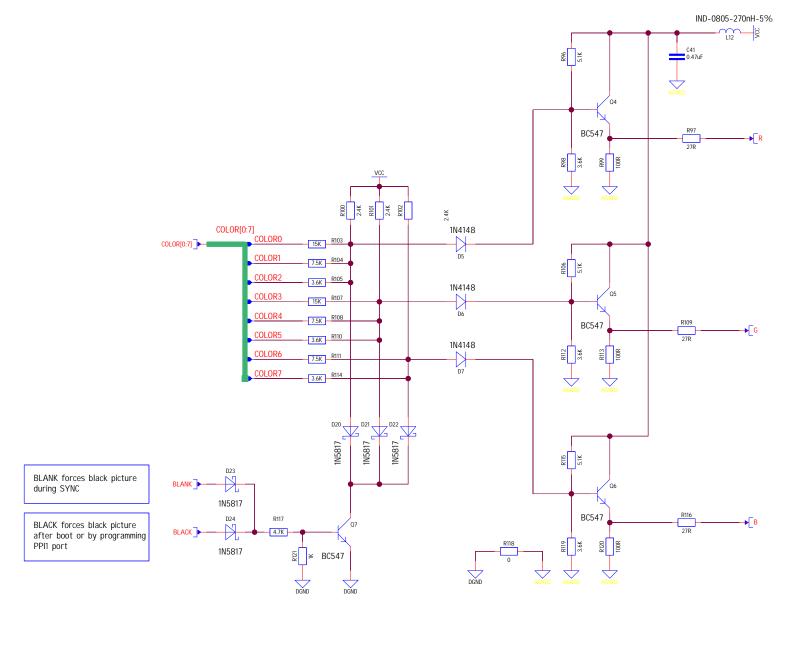


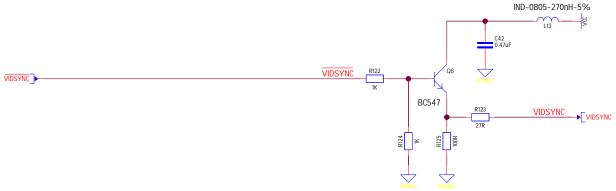
VISIBLE AREA 48x32 CHARACTERS 384x256 PIXELS













RADUGA	Computer
--------	----------

	A3	Alfa3			VideoOut 1	a3
Sherlock		SHEET 16	of 16	21/04/2019:11:22		