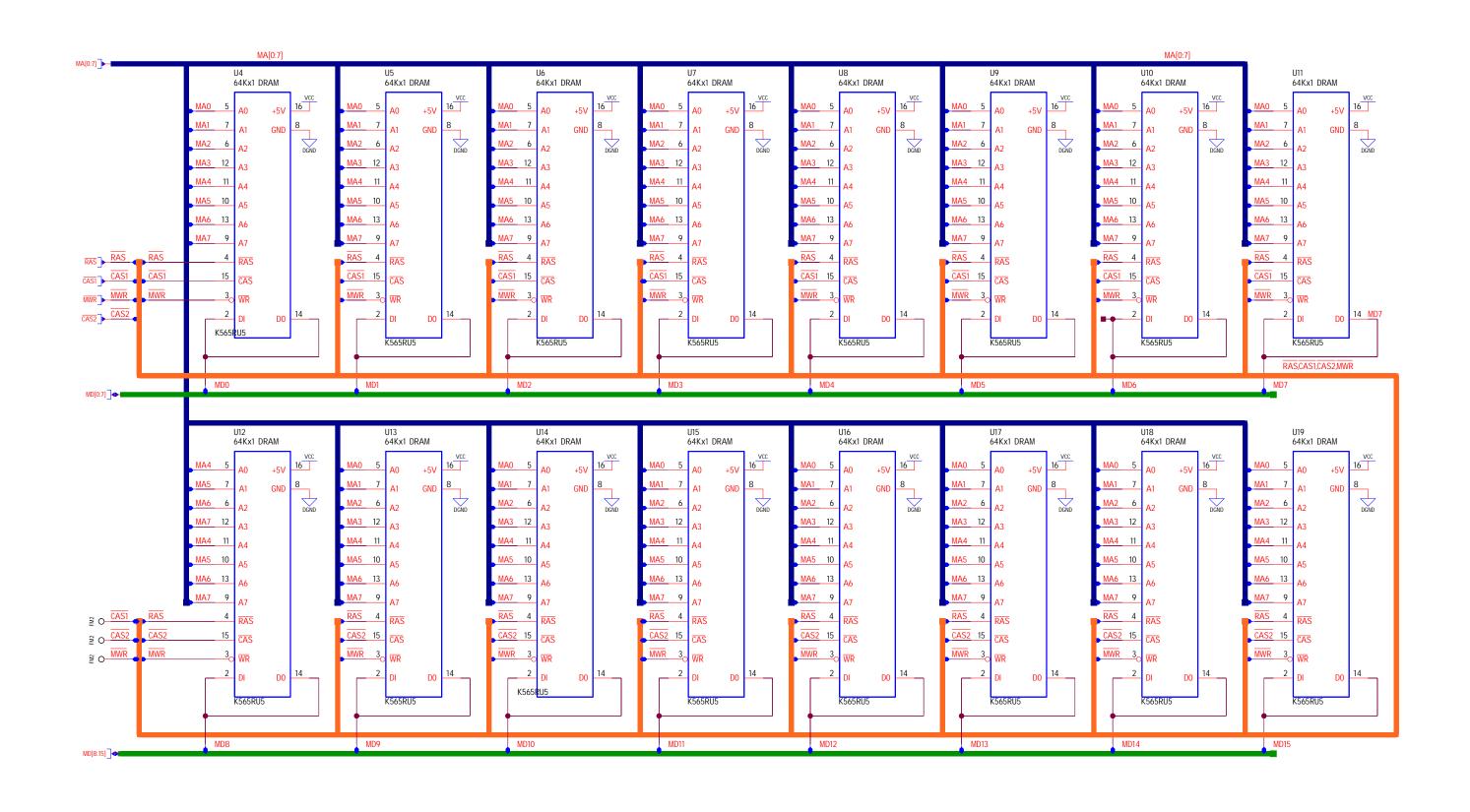




RADUGA Computer

A3	Beta1			ROM 1	RE
drawn by Sh	erlock	SHEET 2	of 16	21/04/2019:13:12	•





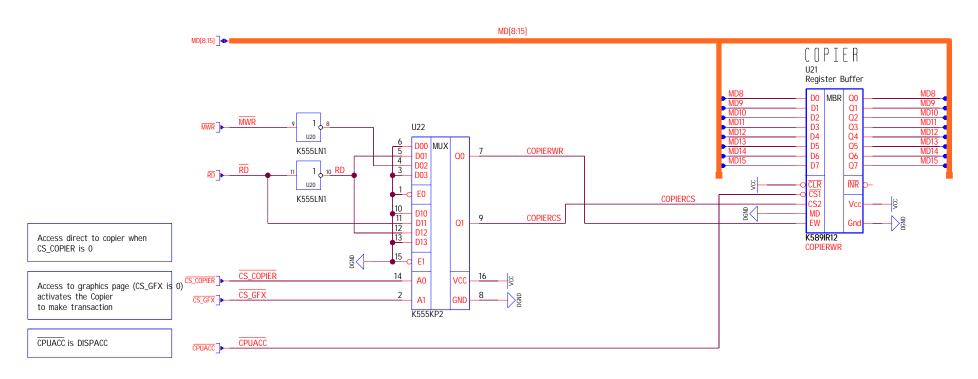
221B Baker Street

RETRO COMPUTERS

RADUGA Computer

A3 Beta1 Memory 1 b1

RAWN BY Sherlock 3 16 21/04/2019:13:12



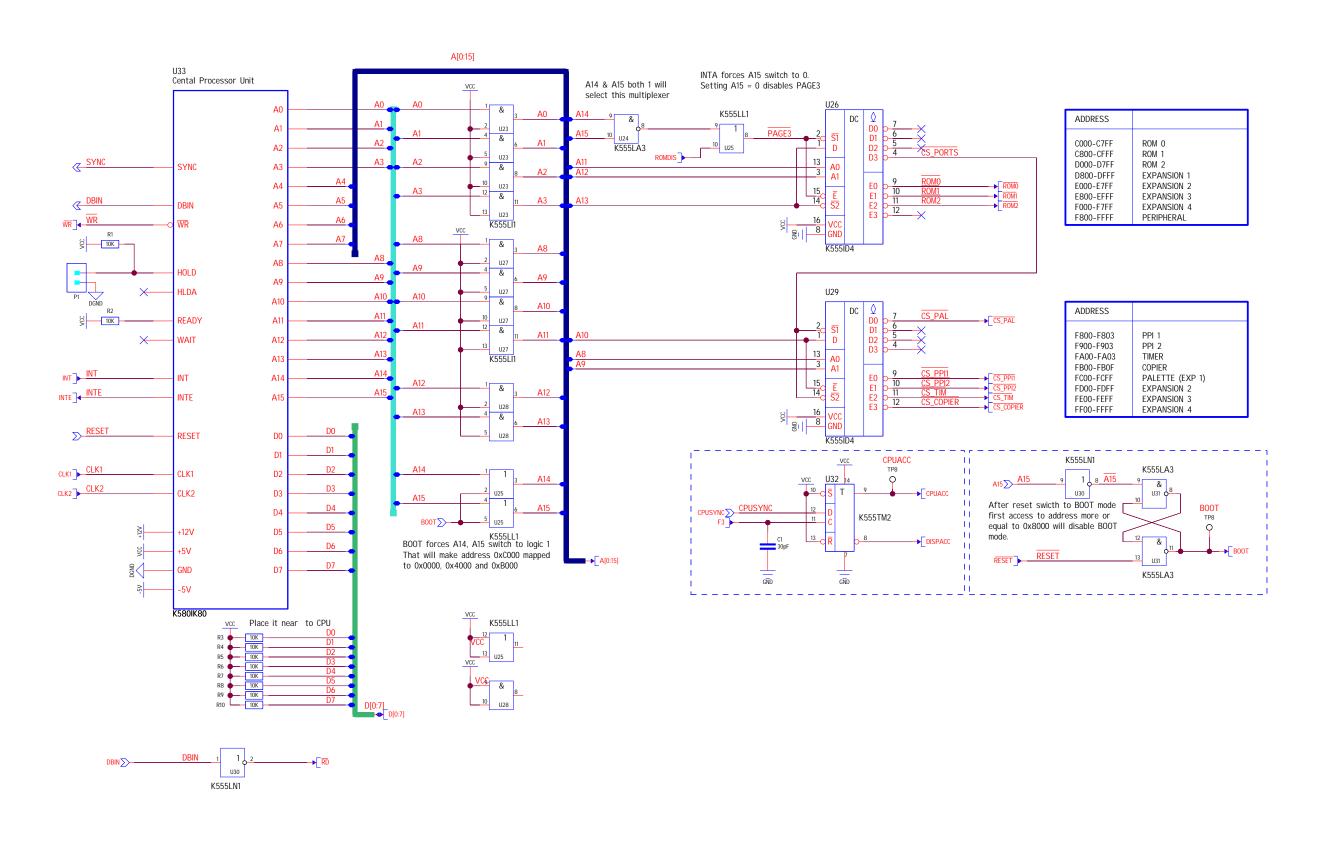
B 8	UF_PAGE2 000-BFFF	- ) -				
CPUACC	Ō	SCOPIER	RD	MWR		COPIER's Operation
1	Х	Х	Χ	Х		Nothi ng
Х	0	0	Χ	Х		Nothi ng
Х	1	1	Χ	Х		Nothi ng
0	0	1	Acce	ess to	PAGE2	
	Sel ect	ed In 1	0	Х	Read	Store
			1	Х	Write	Read
0	1	0	Acce	ess to	COPI ER	
	Sel ect	ed In 2	0	1	Read	Read
		- · · <del>-</del>	1	0	Write	Store



RADUGA Computer

A3 Beta1 Copier 1 b1

DRAWN BY Sherlock 4 16 21/04/2019:13:12





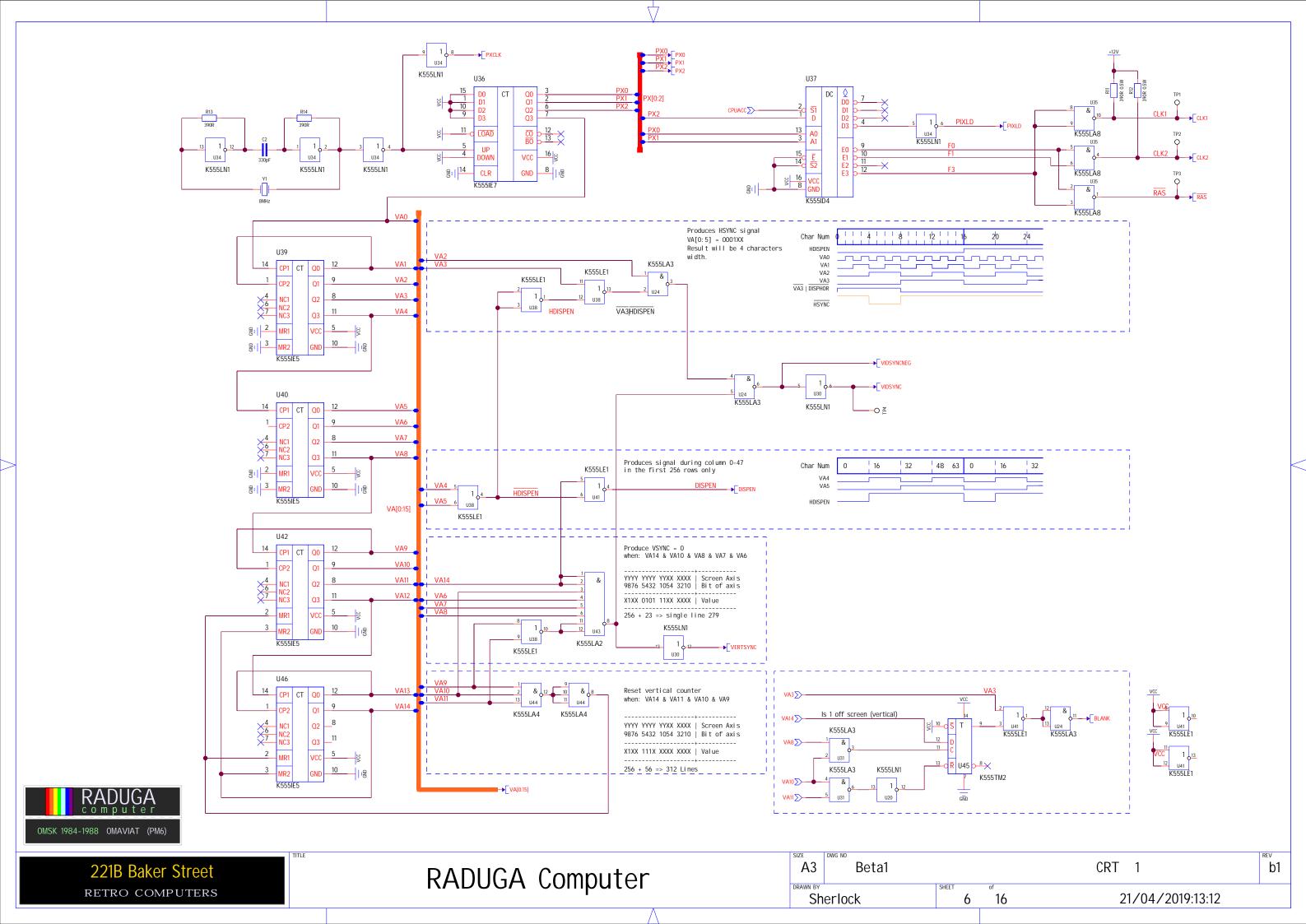
221B Baker Street

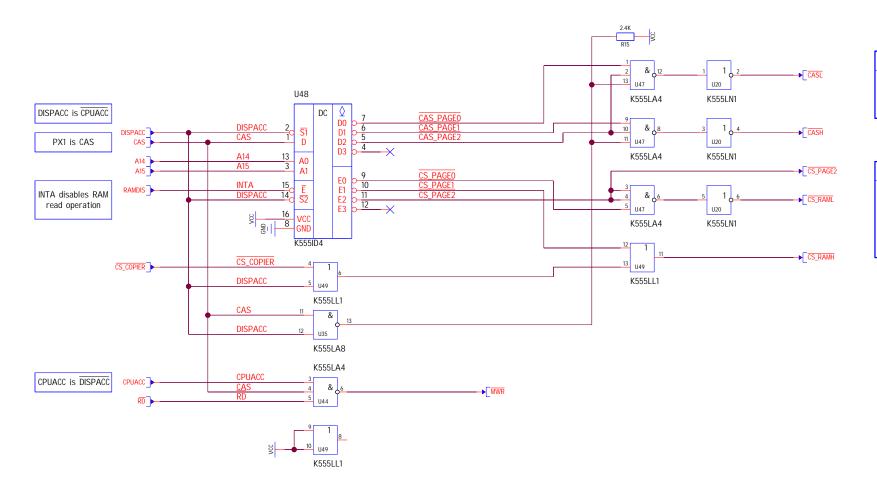
RETRO COMPUTERS

RADUGA Computer

A3 Beta1 CPU 1 b1

RAWN BY Sherlock 5 16 21/04/2019:13:12





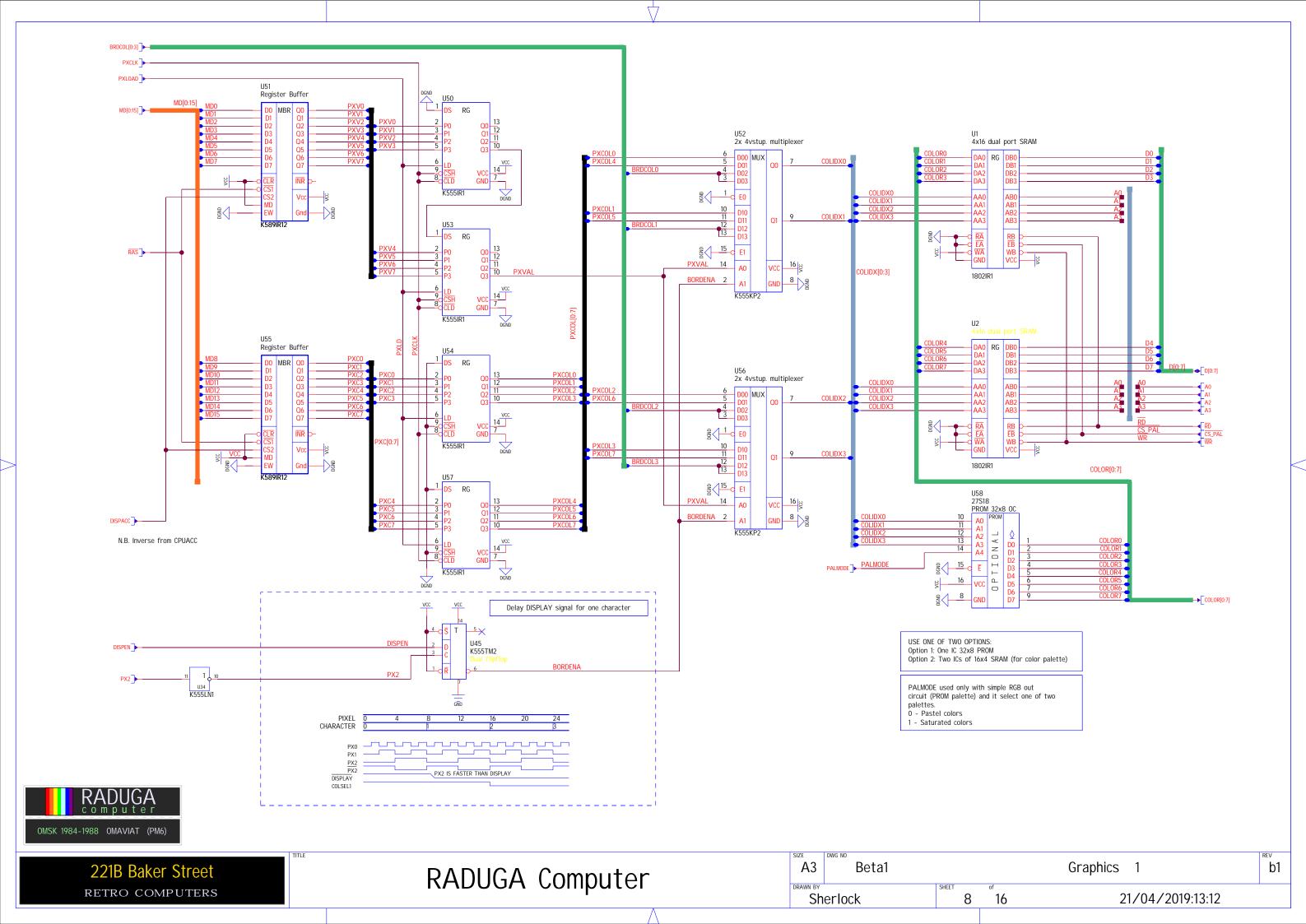
PAGE	ADDERSS	CAS1	CAS2	
3 2 1 0	C000-FFFF 8000-BFFF 4000-7FFF 0000-3FFF	YES NO	NO YES YES NO	

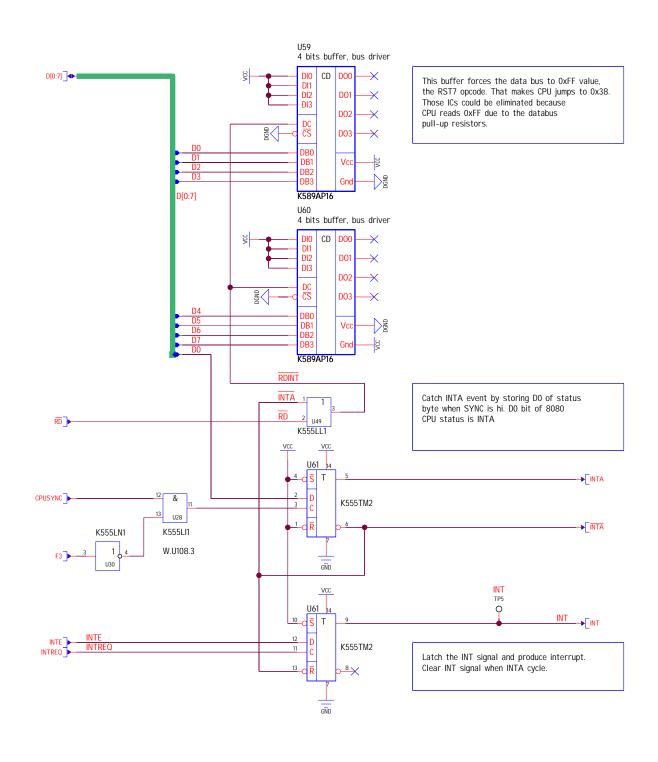
PAGE	ADDERSS	MEMBUF1	MEMBUF2
3	COOO-FFFF	NO	NO
2	8000-BFFF	YES	YES
1	4000-7FFF	NO	YES
0	0000-3FFF	YES	NO
COPIER	FB00-FB0F	NO	YES



RADUGA Computer

A3	Beta1				ControllerDRAM 1	b1
RAWN BY Sh	erlock	SHEET 7	'	of 16	21/04/2019:13:12	

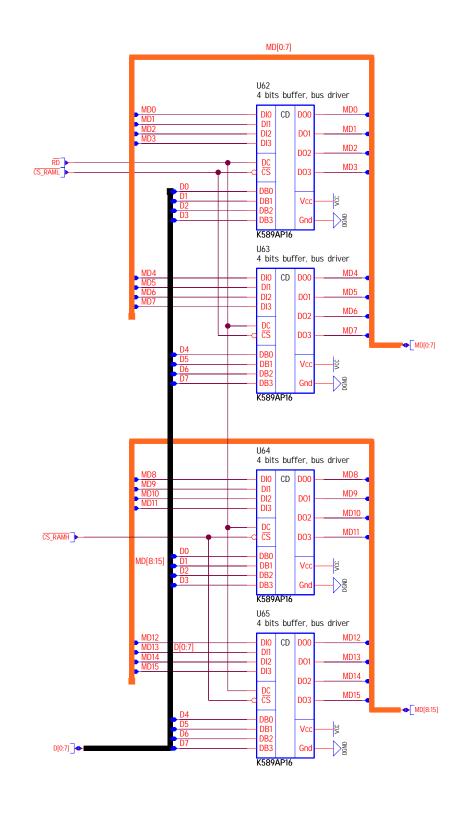






RADUGA Computer

A3 Beta1 Inerrupts 1 b1
Sherlock 9 16 21/04/2019:13:12

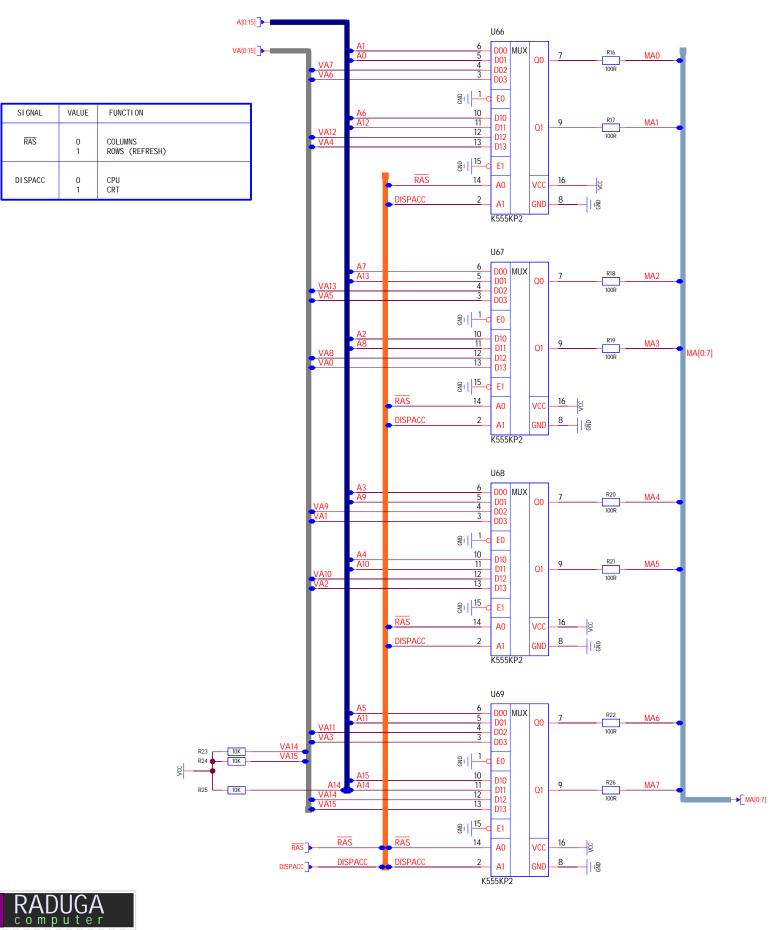


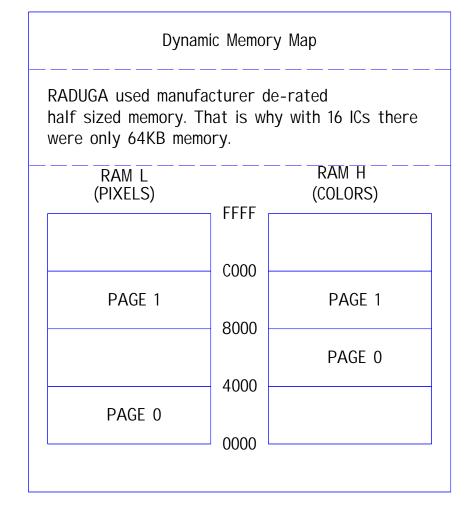


RADUGA Computer

A3 Beta1 MemoryBuffer 1 b1

Sherlock 10 16 21/04/2019:13:12

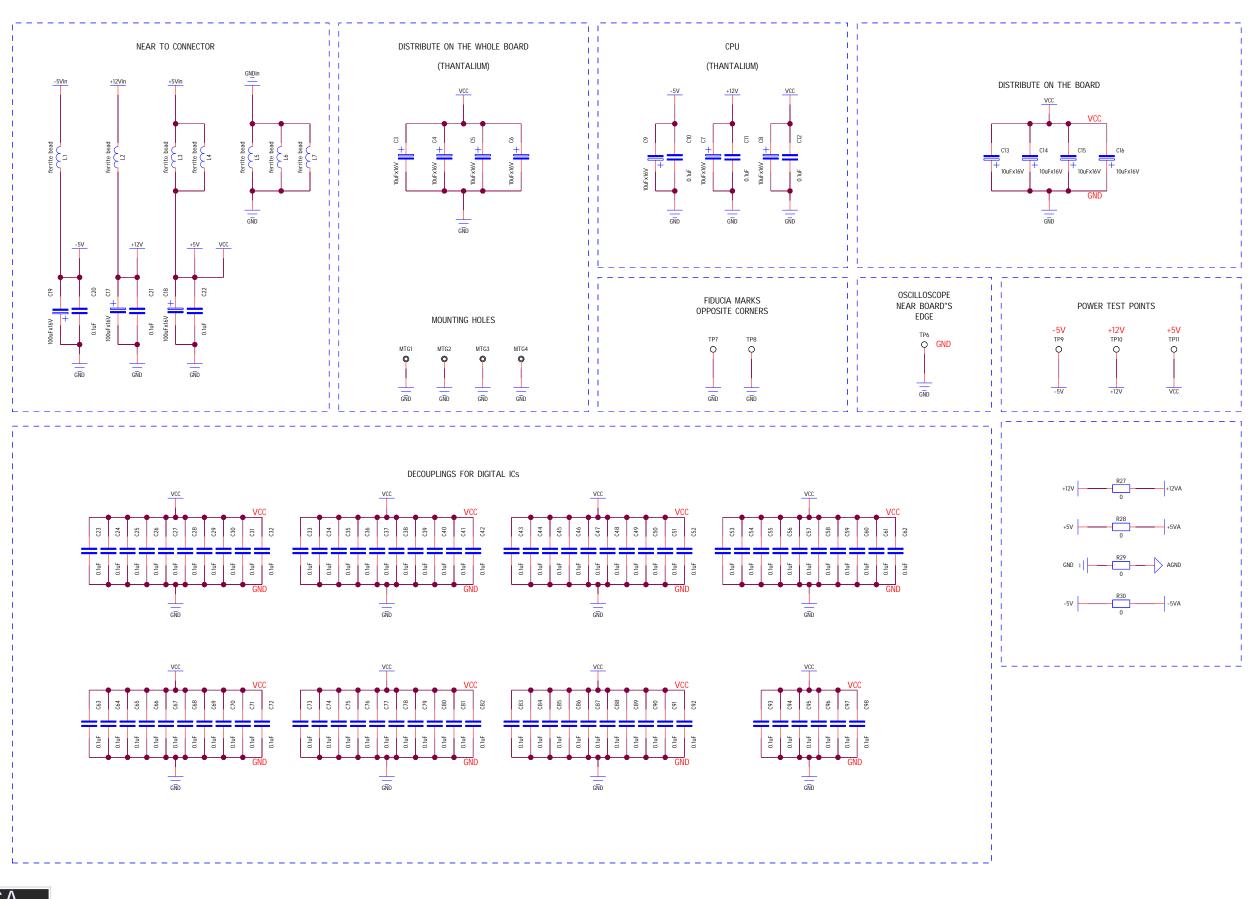




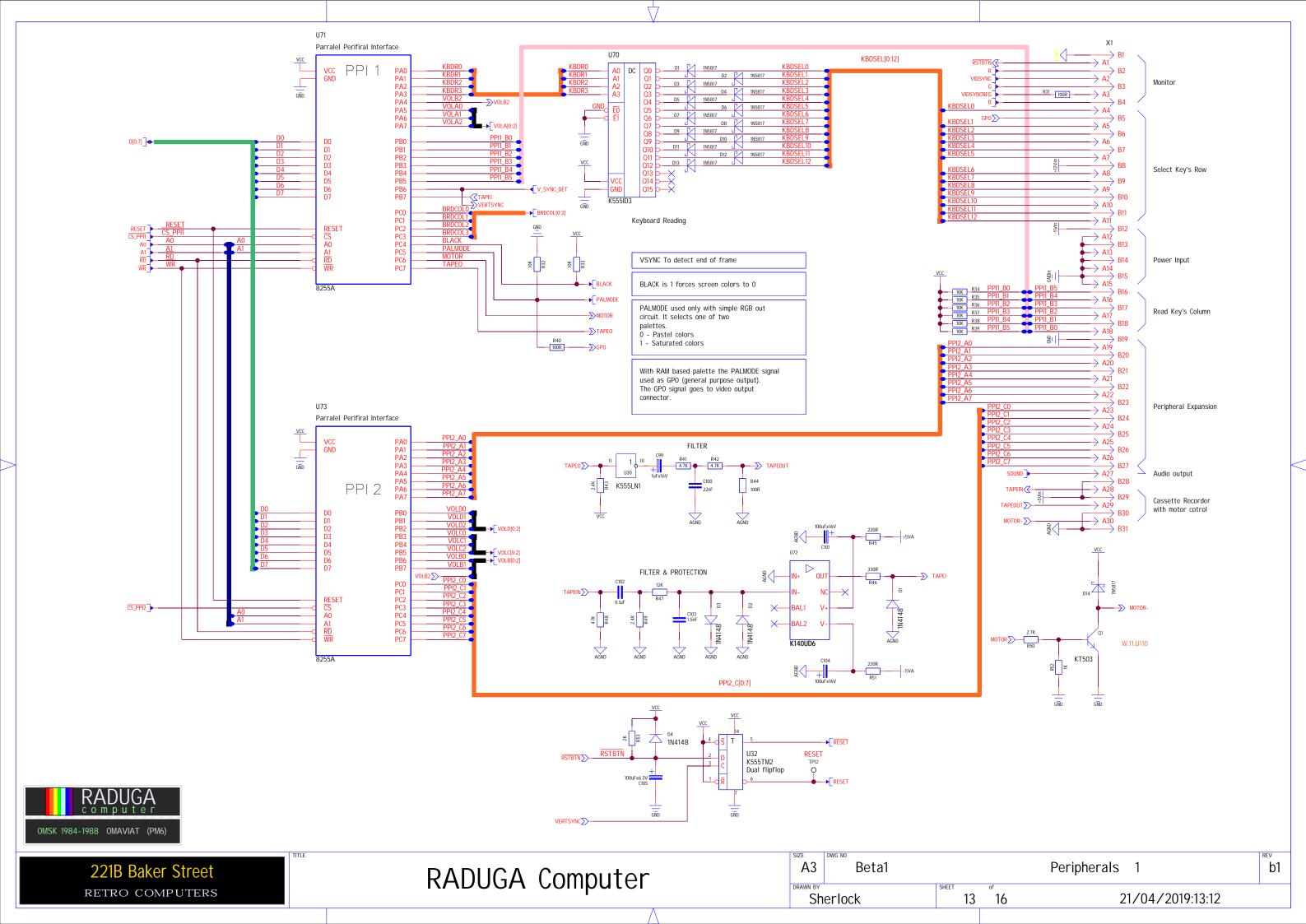


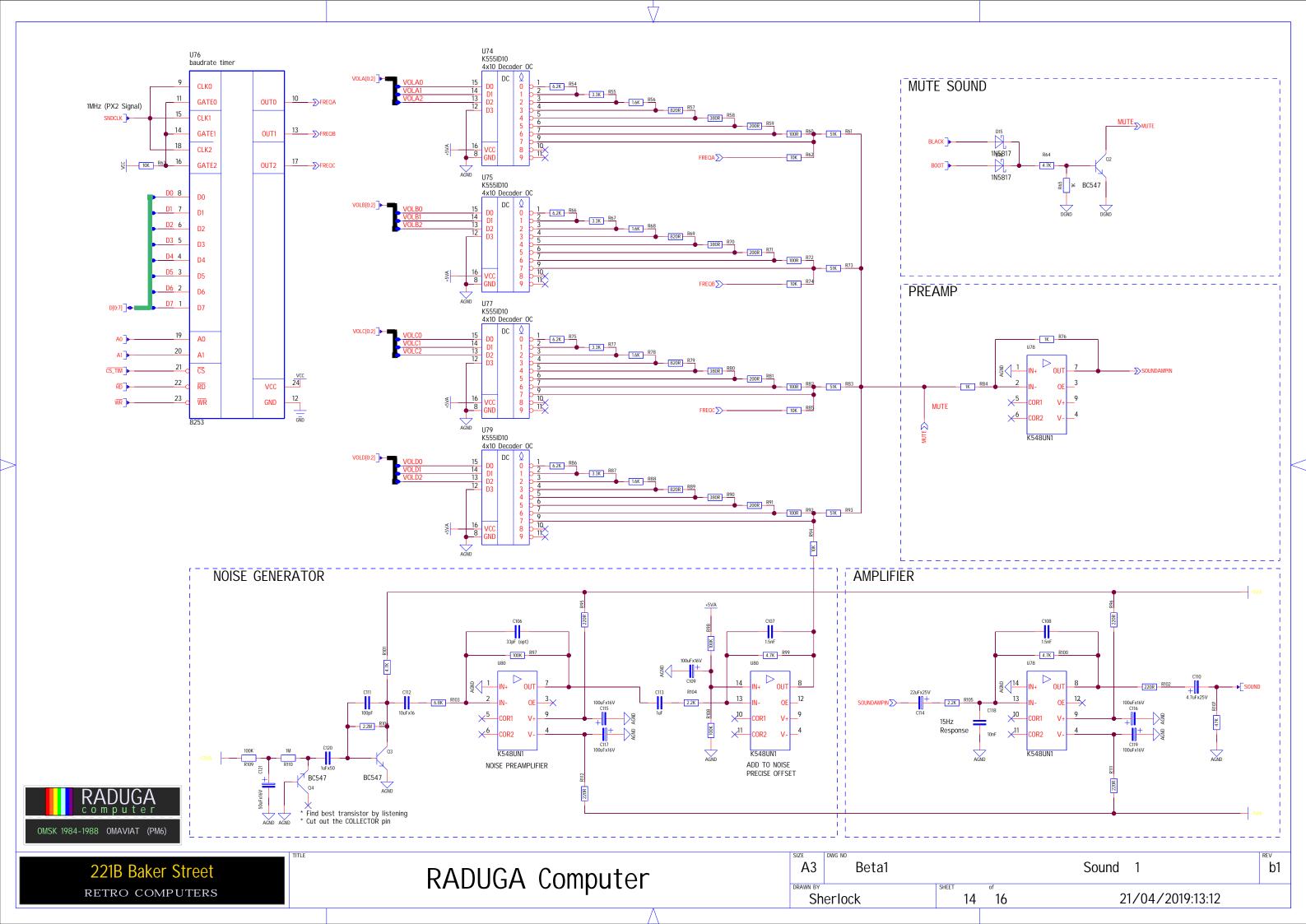
RADUGA Computer

A3	Beta1			Multiplexer 1	rev <b>b</b>
RAWN BY Sh	erlock	SHEET 11	16	21/04/2019:13:12	'

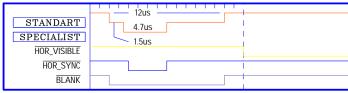




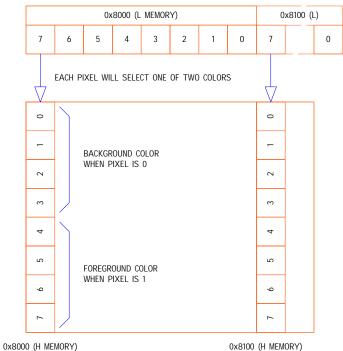




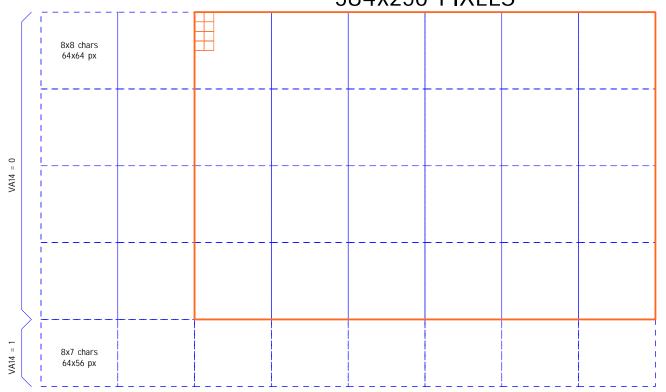
## Required vertical timing Last visible horizontal Line 1st visible horizontal line VA10 (Y4) Required horzontal timing (only for composed video)



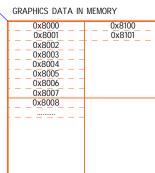
## COLOR DECODING



## VISIBLE AREA 48x32 CHARACTERS 384x256 PIXELS





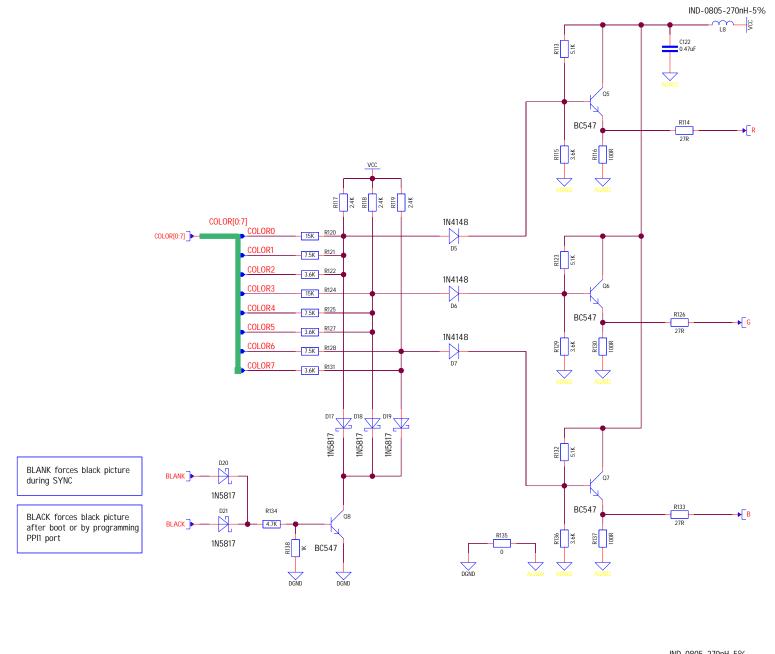


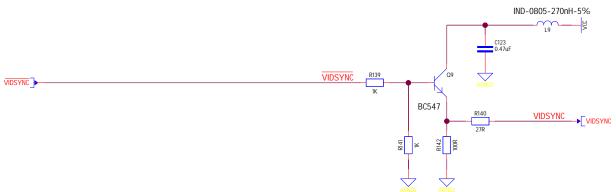


221B Baker Street RETRO COMPUTERS

RADUGA Computer

CRT\_TimeDiagrams 1 **A**3 Beta1 b1 21/04/2019:13:12 Sherlock 15 16







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

A3	Beta1		VideoOut 1	b1
AWN BY Sh	erlock	16 16	21/04/2019:13:40	