

**COMPONENT PARTS LIST
PCB ASSEMBLY RAM EXPANSION/CLOCK
PCB ASSEMBLY #312604-04, A501, REV. 6C**

Commodore part numbers are provided for reference only and do not indicate the availability of parts from Commodore. Industry standard parts (Resistors, Capacitors, Connectors) should be secured locally. Approved cross-references for TTL chips, Transistors, etc. are available in manual form through the Service Department, order #314000-01.

IC COMPONENTS			CONNECTORS		
318099-04	DRAM 256K X 4 120nS	U1-U4	380311-05	HEADER 56PIN FEMALE RA	CNY
318099-02	DRAM 256K X 4 100nS	U1-U4	DIODES		
318073-01	OKI MSM6242B REAL TIME CLOCK	U9	900850-01	SWITCHING 1N4148	D912
390392-01	TTL 74F27 TRIPLE 3-IN NOR	U13	390017-01	SWITCHING 1N914	D911
390198-01	TTL 74F86 QUAD 2-IN XOR	U12	MISCELLANEOUS		
901521-33	TTL 74LS163 BINARY COUNTER	U11	380393-01	BATTERY NICD VARTA 3/60DK, 3.6V 60MAH	BT9 Y9
RESISTORS			900560-01	CRYSTAL WATCH STYLE, 32768Hz	
901550-58	1/4W CF, 470	R911,R913	312606-03	FABRICATION DRAWING	
901550-20	1/4W CF, 10K	R912,R914,R915	312578-03	PCB ARTWORK	
390227-05	RES PACK SIP SERIES, 68 X 5 NOT LOADED	RP901-RP903,RP911 RP912	312605-03	SCHEMATIC	
CAPACITORS					
900462-21	MLC AXIAL NPO 22pF	C911			
390082-01	MLC AXIAL Z5U .1uF	C9			
390082-04	MLC AXIAL Z5U .33uF	C1-C4,C11-C13			
251029-06	TRIMMER (YELLOW) 6.8-45pF NOT LOADED	TC9 C10			
390101-02	ELECT ALUM RADIAL 100uF 16V	C902,C903			
900410-13	ELECT TANTALUM RADIAL 4.7uF 16V	C913			
390101-05	ELECT ALUM RADIAL 4.7uF 16V	C913			

CNY

Notes: Some configurations of this RAM expansion require mods to rev 3 and 5 A500 boards end/or use of the Agnus HR 2MB bond-out.
 U1-U4 are generic 256K-bit x 4 120 nS DRAM
 RP911,RP912 are optional DRD Termination
 C10 is optional A8/RAS Setup Time Control
 TP9 is Clock Calendar Frequency Test Point

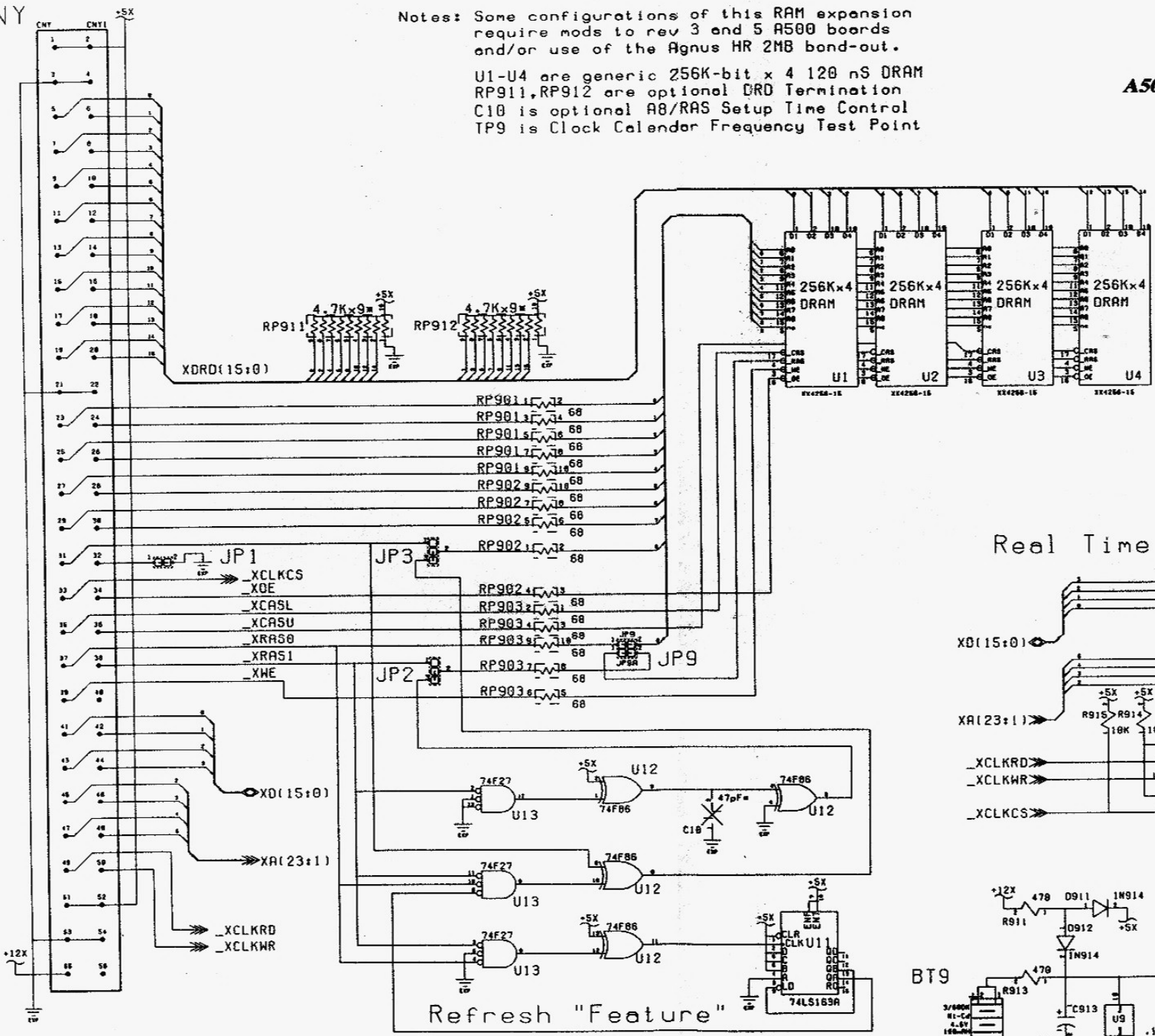
A500 SYSTEM SCHEMATICS

ECO History

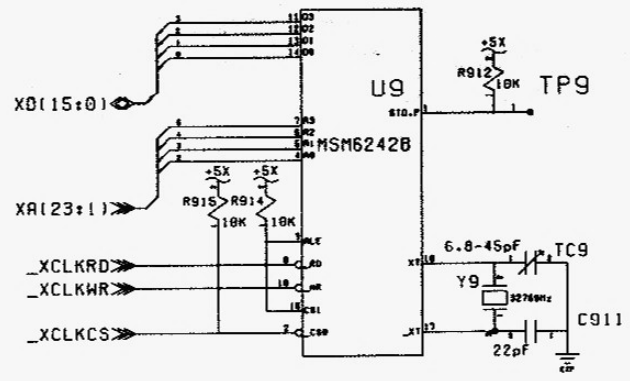
ECO NUMBER	DESCRIPTION	DATE

Configuration Options

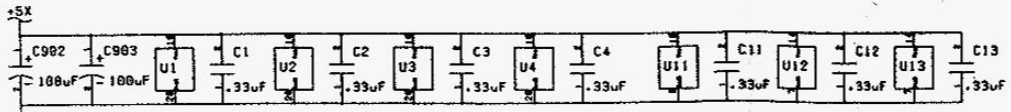
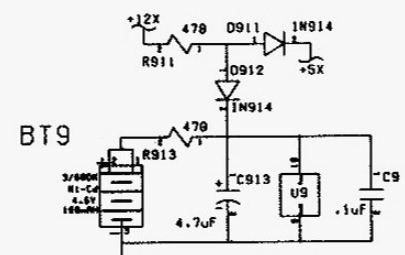
	A	B
on-board	512K	2M
on A501	512K	-
U1-U4	256Kx4	1Mx4
Agnus	Fat/HR	HR (2M)
JP1	1-2	-
JP9	1-2,1-2	1-1,2-2



Real Time Clock



Refresh "Feature"



Decoupling...

Real Time Power