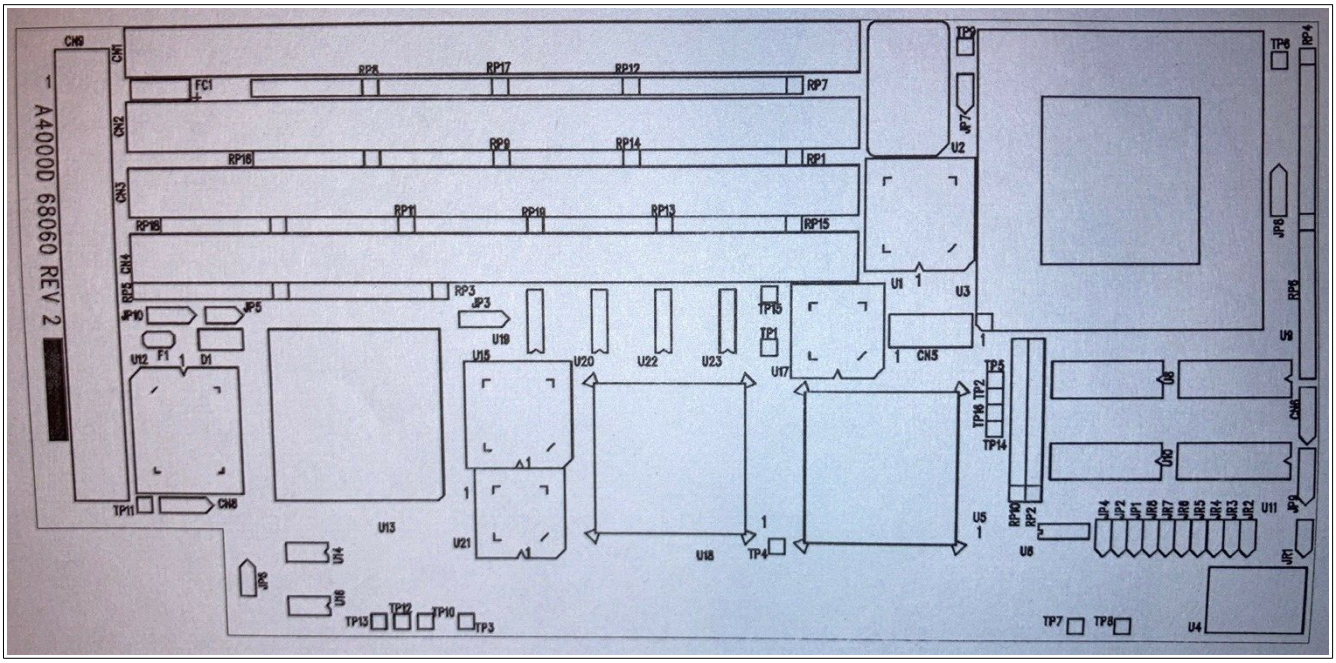
T-Rex II A4060DT Accelerator Jumpers and I/O Definitions

Updated: May 3, 2021 by Greg Donner



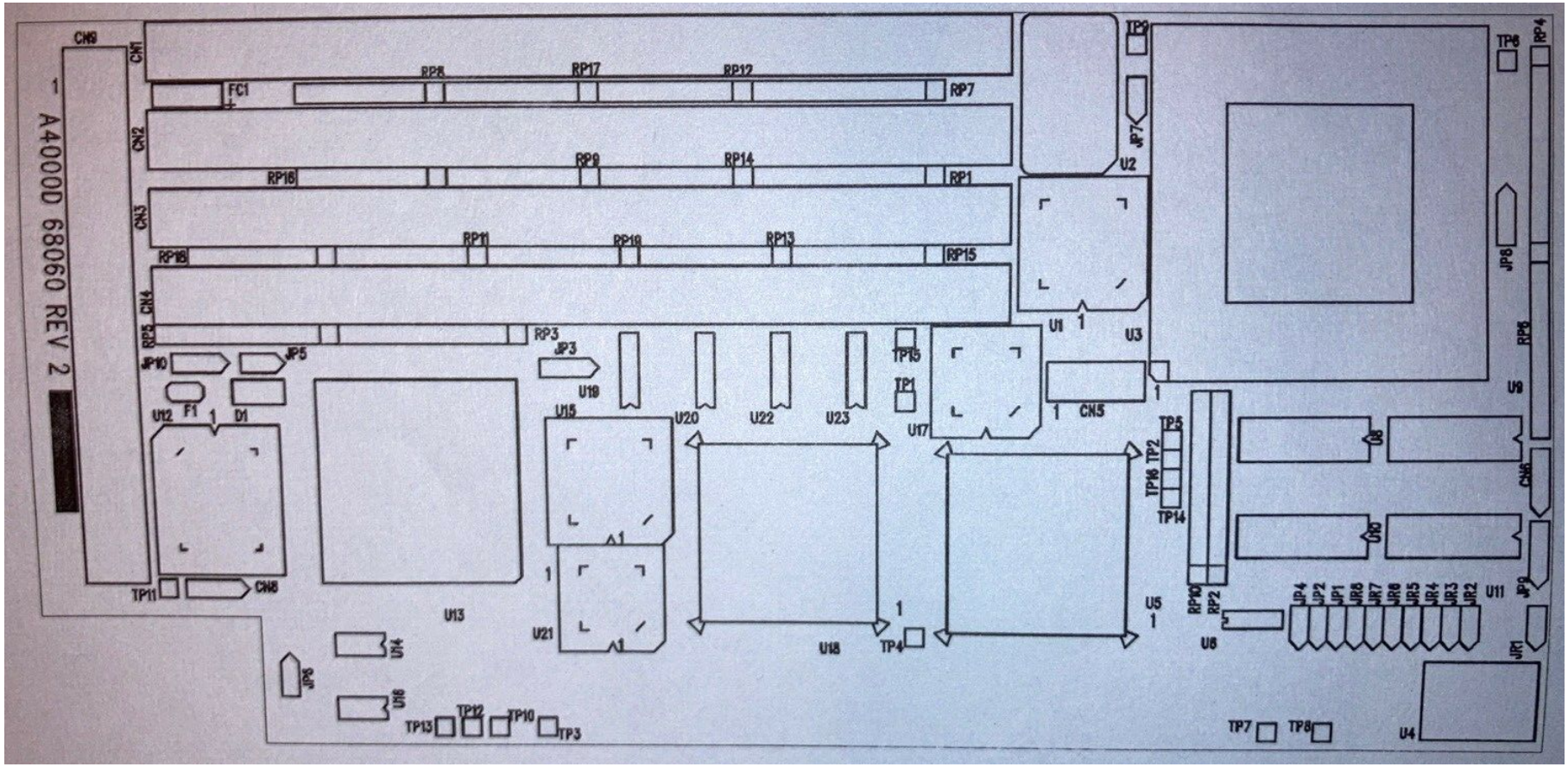
(Larger scale view on last page)

A4000D 68060 Rev. 2
Silkscreen (component side)
17 20

Jumpers and I/O Definitions		
Jumpers	**Definitions**	**Default**
JP1	**CPU Select** OFF = 68040/060 ON = Motherboard CPU	OFF
JP2	**Reserved**	OFF
JP3	**Reserved**	1 and 2
JP4	**Cache Burst to A4000 Motherboard** OFF = Cache Burst Disabled ON = Cache Burst Enabled	OFF
JP5	**Interrupt Pending, DMA Backoffs** ON = DMA Backoffs for Interrupt OFF = DMA Ignores Interrupt	OFF
JP6	**Active SCSI Termination** ON = SCSI Termination Disabled OFF = SCSI Termination Enabled	OFF
JP7	**CPU Clock Disable** (Test Only) ON = Clock Disabled OFF = Clock Enabled	OFF

Jumpers and I/O Definitions (continued)		
Jumpers	**Definitions**	**Default**
JP8	**CPU Clock** 1 and 2 = 68040 2 and 3 = 68060	
JP9	**CPU Power** 1 and 2 = 5V (68040) 2 and 3 = 3.3V (68060)	
JP10	**EPROM Type 27C010**	1 and 2
CN6	**5V Fan** (Not necessary for 68060)	
CN8	**SCSI LED Indicator**	
JR1	**Memory Configured for Burst Mode** ON = Burst Mode Support (Minimum of two SIMMs required) OFF = Non-Burst Mode (Support for any number of SIMMs)	ON
JR2	**DRAM Speed versus CPU Clock** 50 MHz 40 MHz 33 MHz OFF = 60 ns 60/70 ns 60/70/80 ns ON = 70 ns 80 ns	OFF
JR3	**Burst Write Enabled** ON = Write Enabled	ON
JR4	**Burst Read Enabled** ON = Read Enabled	ON
JR5	**Memory Size** OFF = 4 MB ON = 16 MB	OFF
JR6	**Single/Double-sided SIMM** OFF = Single-sided SIMM ON = Double-sided SIMM	OFF
JR7	**Reserved**	OFF
JR8	**Refresh Mode** OFF/ON = 4K Refresh (Asymmetrical) OFF = 2K Refresh (Symmetrical) Note: Both symmetrical and asymmetrical DRAMs are supported when JR8 is off.	OFF

Memory Location and Size Notes	
Please note: • CN1-CN4 are sockets for industry-standard SIMMs. All four sockets can support either 4 MB or 16 MB single-sided SIMMs, or 8 MB or 32 MB double-sided SIMMs, depending on the jumper settings of JR5 and JR6 as shown below. • Burst will only function properly when there are *even multiples* of SIMMs installed.	
JR5: OFF (Open), **JR6:** OFF (Open)	
CN1	8000000-83FFFFF HEX
CN2	8400000-87FFFFF HEX
CN3	8800000-8BFFFFF HEX
CN4	8C00000-8FFFFFF HEX
JR5: ON (Closed), **JR6:** OFF (Open)	
CN1	8000000-8FFFFFF HEX
CN2	9000000-9FFFFFF HEX
CN3	A000000-AFFFFFF HEX
CN4	B000000-BFFFFFF HEX
JR5: OFF (Open), **JR6:** ON (Closed)	
CN1	8000000-87FFFFF HEX
CN2	8800000-8FFFFFF HEX
CN3	9000000-97FFFFF HEX
CN4	9800000-9FFFFFF HEX
JR5: ON (Closed), **JR6:** ON (Closed)	
CN1	8000000-9FFFFFF HEX
CN2	A000000-BFFFFFF HEX
CN3	C000000-DFFFFFF HEX
CN4	E000000-FFFFFFF HEX


A4000D 68060 REV 2
CN9
CN1
CN2
CN3
CN4
RP5
RP6
RP17
RP12
RP7
FC1
RP16
RP9
RP14
RP1
RP18
RP11
RP13
RP15
RP3
JP10
JP5
JP3
U19
U12
F1
D1
U15
U20
U22
U23
TP15
TP1
U17
U1
U2
U3
TP9
JP7
TP6
RP4
JP8
RP8
U9
CN5
TP5
TP2
TP16
TP14
U8
CN6
U7
RP10
RP2
U5
U6
JP4
JP2
JP1
JR6
JR7
JR8
JR5
JR4
JR3
JR2
U11
JP9
JR1
U4
TP11
CN8
U13
U21
U18
TP4
U14
U16
JP6
TP13
TP12
TP10
TP3
TP7
TP8