TABLE 1A: JP1 JUMPER SETTING

JP1 Jumper Status	IDE/RAID Mode	Note
IN	RAID MODE	
OUT	IDE MODE	

TABLE 1B: JP2 JUMPER SETTING

JP2 Jumper Status	BA5 ENABLE/DISABLE	Note
IN	DISABLE	
OUT	ENABLE	

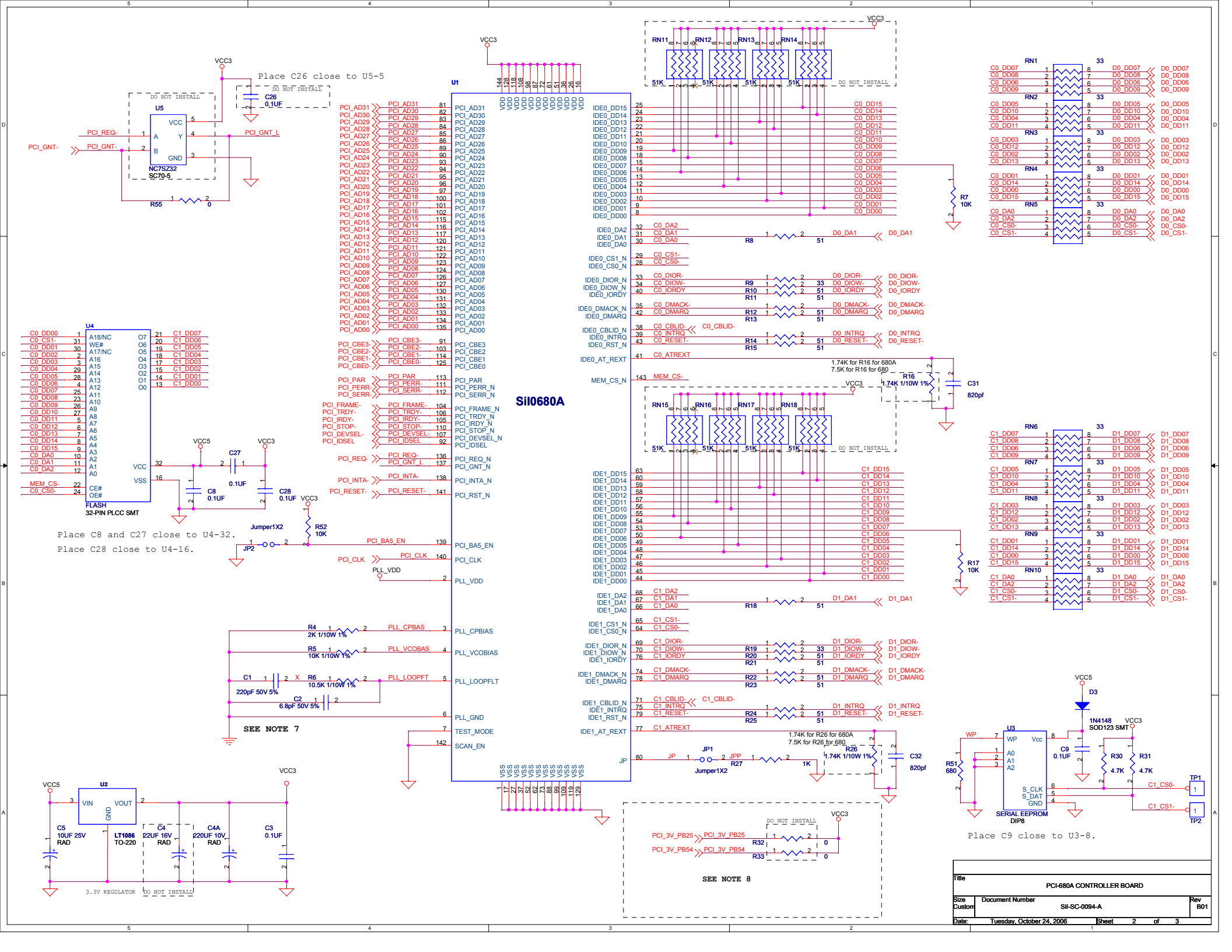
TABLE 2: DEVICES SUPPORTED IN LOCATION U4

MEMORY TYPE	FLASH MEMORY	FLASH MEMORY
FLASH MEMORY MODELS [5V]	AMD AM29F010B 1Mbit [128k x 8]	AMD AM29F040B 4Mbit [512k x 8]
NOTE	**DEFAULT**	

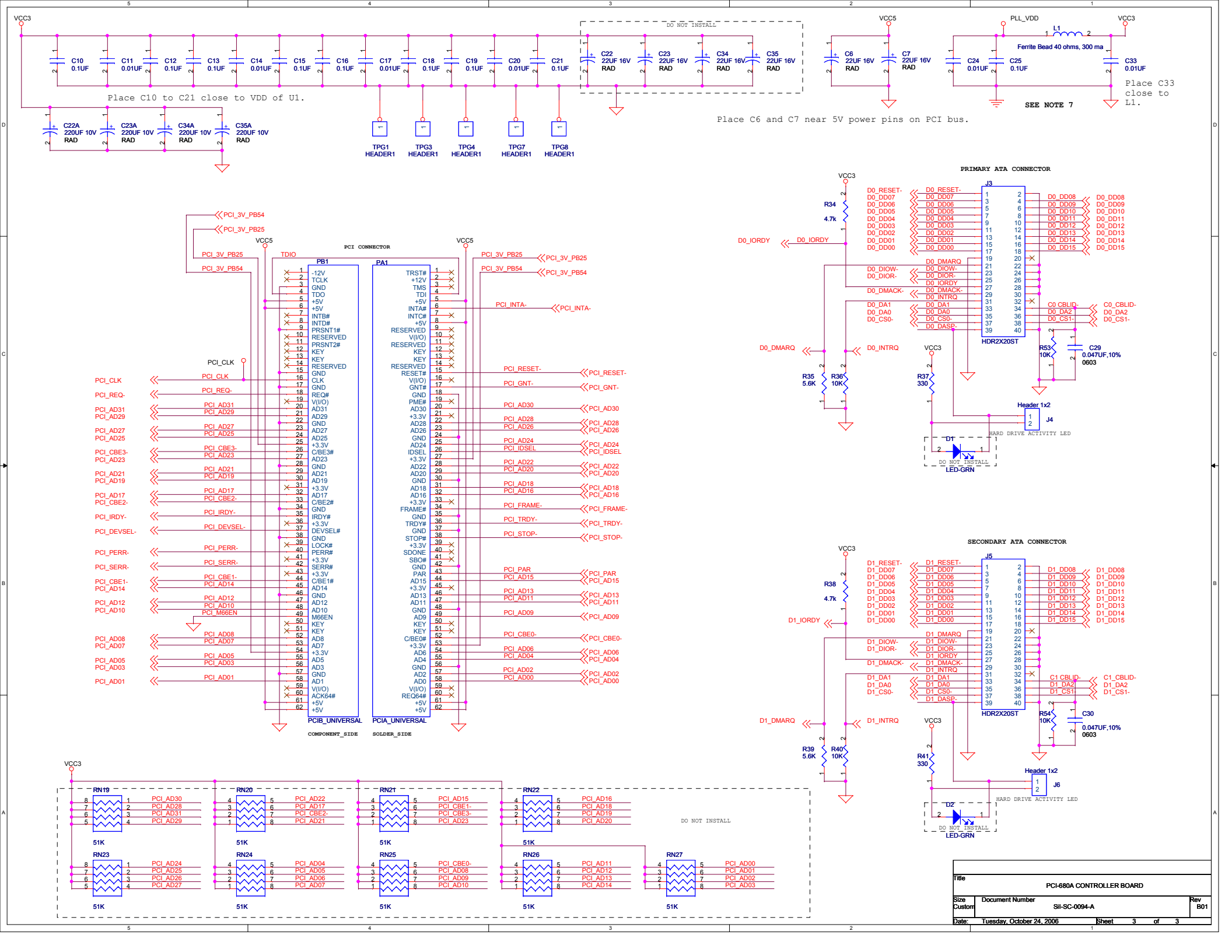
NOTES: Unless Otherwise Specified:

1. All components are subject to change.
2. All resistors and capacitors are in surface mount 0805 package.
3. All resistors are 5%, 1/8 watt.
4. All capacitors are 20%, 50 volt ceramic.
5. The following resistors are 1%, 1/10 watt: R4,R5,R6,R16 and R26.
6. The following capacitors are 5%, 50 Volt, NPO: C1,C2.
7. Circuit board layout and component selection are critical to the proper operation of the PLL. Refer to the PCI-680 Product Specification, PLL Chapter, for the circuit board layout and component selection requirements.
8. If the PCI bus provides 3.3 Volt power, and if it is desired to use this power, then locations R32 and R33 must be populated with zero ohm resistors, and U2 must not be populated. Only one power path (U2 or R32,R33) can be populated at a time.

Title: PCI-680A CONTROLLER BOARD		
Size: Custom	Document Number: Sil-SC-0094-A	Rev: B01
Date: Tuesday, October 24, 2006	Sheet 1 of 3	



Title	PCI-680A CONTROLLER BOARD		
Size: Custom	Document Number: Sil-SC-0094-A		Rev: B01
Date: Tuesday, October 24, 2006	Sheet 2 of 3		


VCC3
C10 0.1UF
C11 0.01UF
C12 0.1UF
C13 0.1UF
C14 0.01UF
C15 0.1UF
C16 0.1UF
C17 0.01UF
C18 0.1UF
C19 0.1UF
C20 0.01UF
C21 0.1UF
DO NOT INSTALL
C22 22UF 16V RAD
C23 22UF 16V RAD
C34 22UF 16V RAD
C35 22UF 16V RAD
Place C10 to C21 close to VDD of U1.
C22A 220UF 10V RAD
C23A 220UF 10V RAD
C34A 220UF 10V RAD
C35A 220UF 10V RAD
TPG1 HEADER1
TPG3 HEADER1
TPG4 HEADER1
TPG7 HEADER1
TPG8 HEADER1
VCC5
C6 22UF 16V RAD
C7 22UF 16V RAD
Place C6 and C7 near 5V power pins on PCI bus.
PLL_VDD
L1
Ferrite Bead 40 ohms, 300 ma
C24 0.01UF
C25 0.1UF
C33 0.01UF
SEE NOTE 7
Place C33 close to L1.
PRIMARY ATA CONNECTOR
J3
HDR2X20ST
D0_IORDY
D0_DMARQ
D0_INTRQ
R34 4.7k
R35 5.6K
R36 10K
R37 330
R53 10K
C29 0.047UF,10% 0603
Header 1x2
J4
HARD DRIVE ACTIVITY LED
D1
DO NOT INSTALL
LED-GRN
SECONDARY ATA CONNECTOR
J5
HDR2X20ST
D1_IORDY
D1_DMARQ
D1_INTRQ
R38 4.7k
R39 5.6K
R40 10K
R41 330
R54 10K
C30 0.047UF,10% 0603
Header 1x2
J6
HARD DRIVE ACTIVITY LED
D2
DO NOT INSTALL
LED-GRN
PCI CONNECTOR
PB1
PCIB_UNIVERSAL
COMPONENT_SIDE
PA1
PCIA_UNIVERSAL
SOLDER_SIDE
PCI_3V_PB54
PCI_3V_PB25
PCI_CLK
PCI_REQ-
PCI_RESET-
PCI_GNT-
PCI_INTA-
PCI_FRAME-
PCI_TRDY-
PCI_STOP-
PCI_PAR
PCI_DEVSEL-
PCI_IRDY-
PCI_PERR-
PCI_SERR-
PCI_M66EN
PCI_CBE0-
PCI_CBE1-
PCI_CBE2-
PCI_CBE3-
PCI_IDSEL
PCI_AD00
PCI_AD01
PCI_AD02
PCI_AD03
PCI_AD04
PCI_AD05
PCI_AD06
PCI_AD07
PCI_AD08
PCI_AD09
PCI_AD10
PCI_AD11
PCI_AD12
PCI_AD13
PCI_AD14
PCI_AD15
PCI_AD16
PCI_AD17
PCI_AD18
PCI_AD19
PCI_AD20
PCI_AD21
PCI_AD22
PCI_AD23
PCI_AD24
PCI_AD25
PCI_AD26
PCI_AD27
PCI_AD28
PCI_AD29
PCI_AD30
PCI_AD31
RN19
RN20
RN21
RN22
RN23
RN24
RN25
RN26
RN27
51K
DO NOT INSTALL
Title
PCI-680A CONTROLLER BOARD
Size Custom
Document Number Sil-SC-0094-A
Rev B01
Date: Tuesday, October 24, 2006
Sheet 3 of 3