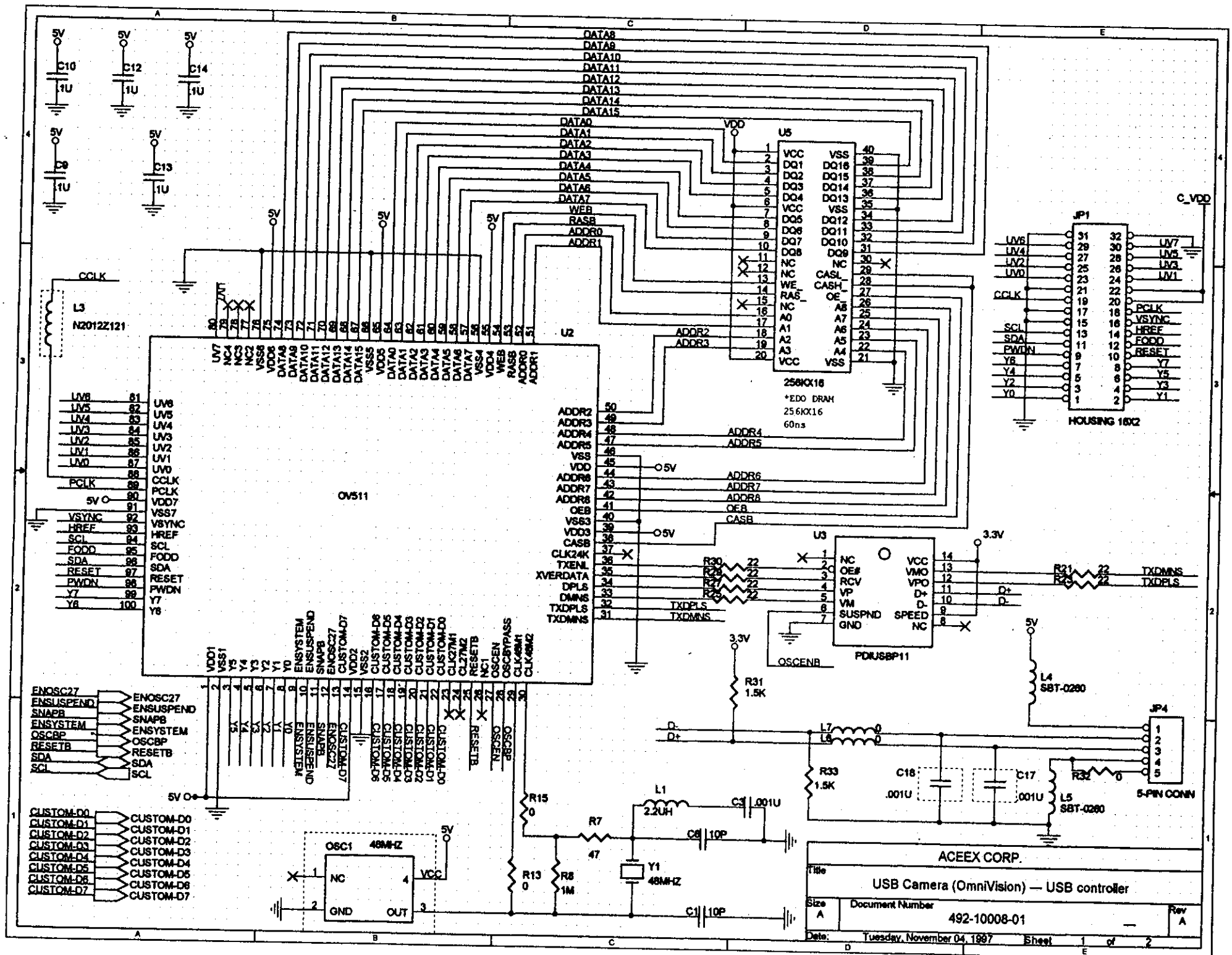
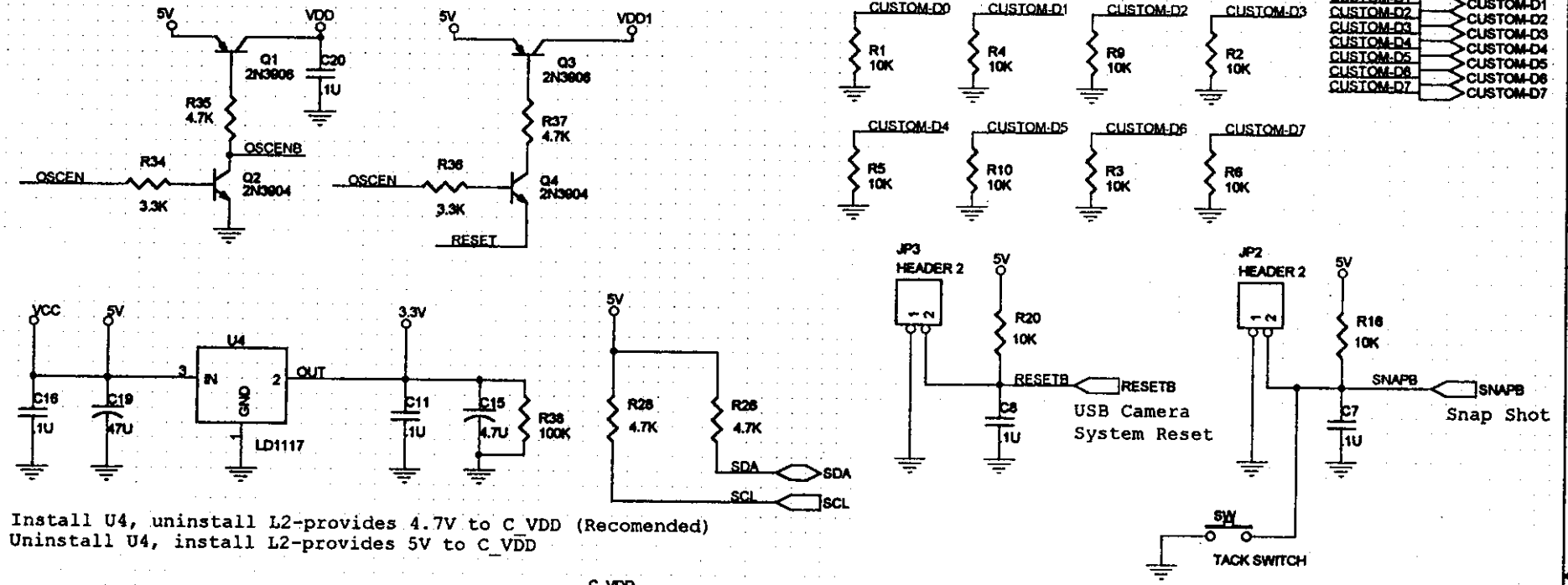
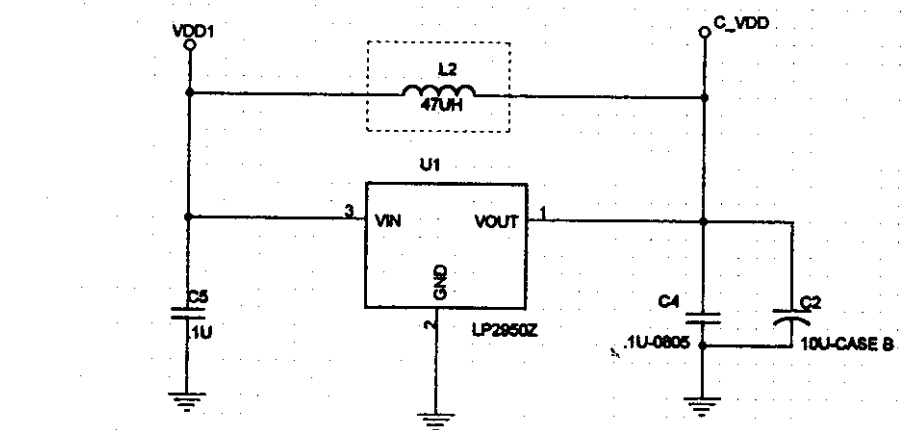
EXHIBIT D

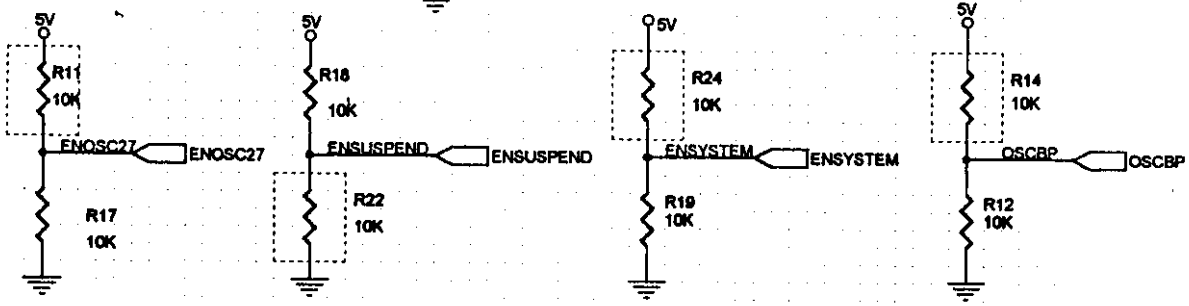
Circuit Diagram


C10 1U
C12 1U
C14 1U
C9 1U
C13 1U
5V
DATA8
DATA9
DATA10
DATA11
DATA12
DATA13
DATA14
DATA15
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
WEB
RASB
ADDR0
ADDR1
VDD
U5
VCC VSS
DQ1 DQ16
DQ2 DQ15
DQ3 DQ14
DQ4 DQ13
VCC VSS
DQ5 DQ12
DQ6 DQ11
DQ7 DQ10
DQ8 DQ9
NC NC
NC CASL_
WE_ CASH_
RAS_ OE_
NC A8
A0 A7
A1 A6
A2 A5
A3 A4
VCC VSS
258KX16
*EDO DRAM
256KX16
60ns
C_VDD
JP1
HOUSING 16X2
CCLK
L3
N2012Z121
U2
OV511
ADDR2
ADDR3
ADDR4
ADDR5
ADDR6
ADDR7
ADDR8
OEB
CASB
U3
PDIUSBP11
3.3V
OSCENB
R30 22
R29 22
R27 22
R28 22
R21 22
R24 22
TXDMNS
TXDPLS
D+
D-
R31 1.5K
L4 SBT-0260
JP4
5-PIN CONN
L7 0
L6 0
R33 1.5K
C18 .001U
C17 .001U
R32 0
L5 SBT-0260
ENOSC27
ENSUSPEND
SNAPB
ENSYSTEM
OSCBP
RESETB
SDA
SCL
CUSTOM-D0
CUSTOM-D1
CUSTOM-D2
CUSTOM-D3
CUSTOM-D4
CUSTOM-D5
CUSTOM-D6
CUSTOM-D7
OSC1 48MHZ
NC
VCC
GND
OUT
R15 0
R13 0
R7 47
R8 1M
L1 2.2UH
C3 .001U
C6 10P
C1 10P
Y1 48MHZ
ACEEX CORP.
Title
USB Camera (OmniVision) — USB controller
Size A
Document Number 492-10008-01
Rev A
Date: Tuesday, November 04, 1997
Sheet 1 of 2



* Install U4, uninstall L2-provides 4.7V to C_VDD (Recomended)
* Uninstall U4, install L2-provides 5V to C_VDD





* ENOSC27 (clock input)
pull-up : 27MHZ & 48MHZ inputs
pull-down : 48MHZ input only (recommended)

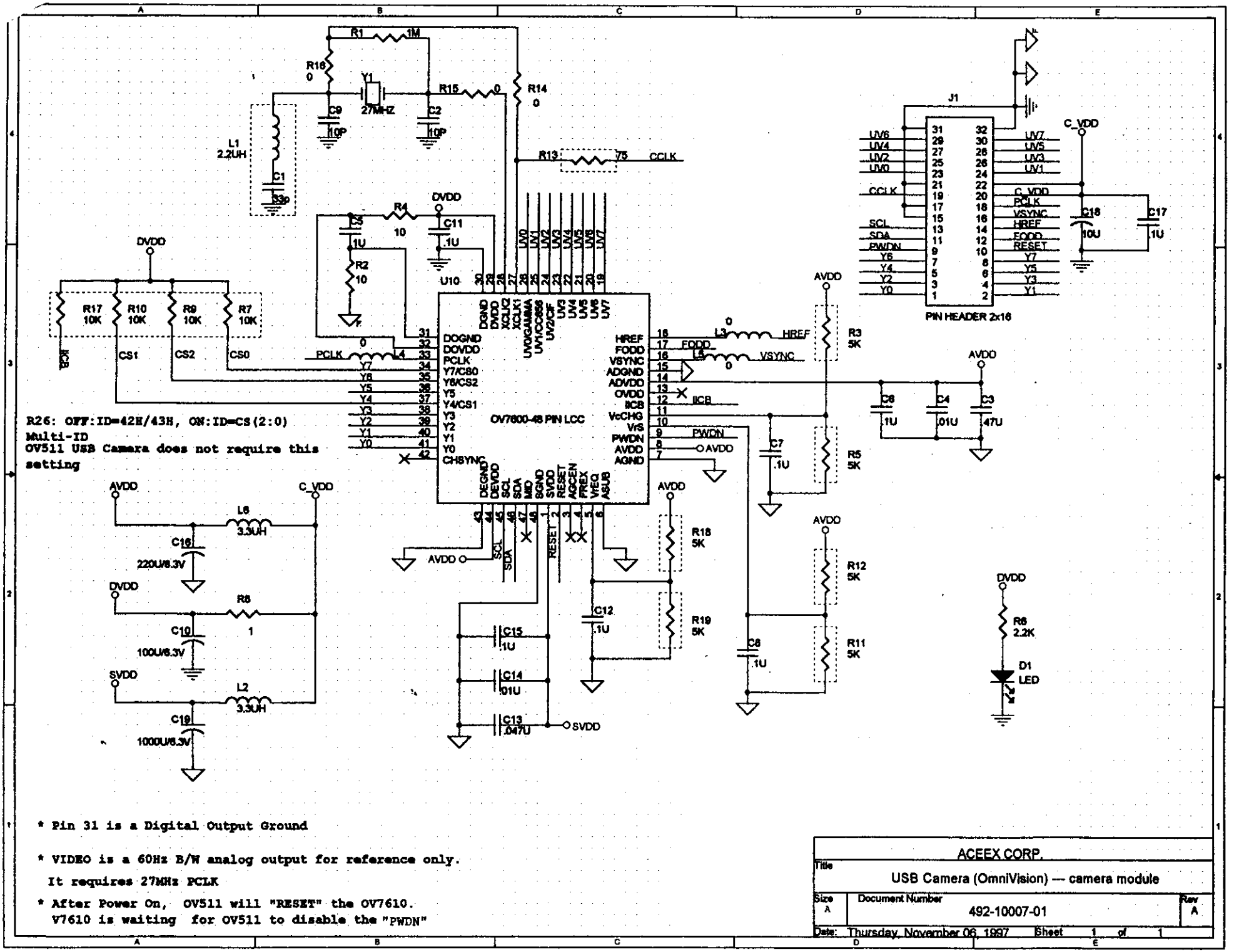
* ENSUSPEND (suspend function)
pull-up : enabled (recommended)
pull-down : disabled

* OSCBP (bypass stop clock function when suspend)
pull-up : enabled
pull-down : disabled (recommended)

* ENSYSTEM (hardware/software initialization)
pull-up : hardware
pull-down : software (recommended)

*Please include all the components in the layout

ACEEX CORP.		
Title: USB Camera (OmniVision) --- power and control		
Size: A	Document Number: 492-10008-01	Rev: A
Date: Thursday, November 06, 1997	Sheet 2 of 2	



R26: OFF:ID=42H/43H, ON:ID=CS(2:0)
Multi-ID
OV511 USB Camera does not require this setting

* Pin 31 is a Digital Output Ground

* VIDEO is a 60Hz B/W analog output for reference only.
  It requires 27MHz PCLK

* After Power On, OV511 will "RESET" the OV7610.
  V7610 is waiting for OV511 to disable the "PWDN"

ACEEX CORP.		
Title: USB Camera (OmniVision) --- camera module		
Size: A	Document Number: 492-10007-01	Rev: A
Date: Thursday, November 06, 1997	Sheet 1 of 1	

EXHIBIT E

Block Diagram

USB Camera block diagram