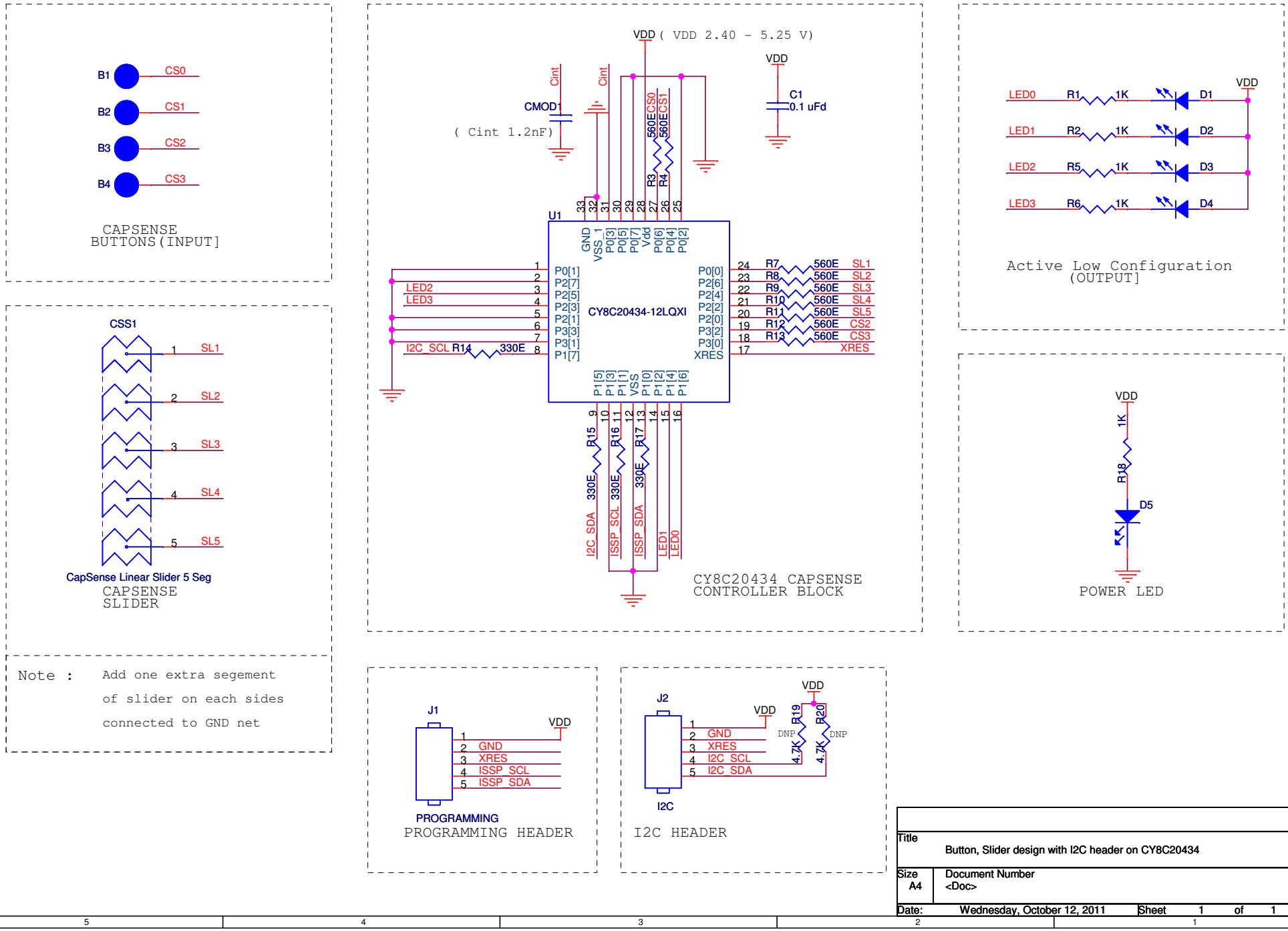

B1
B2
B3
B4
CS0
CS1
CS2
CS3
CAPSENSE
BUTTONS(INPUT)
CSS1
SL1
SL2
SL3
SL4
SL5
CapSense Linear Slider 5 Seg
CAPSENSE
SLIDER
Note : Add one extra segement
of slider on each sides
connected to GND net
VDD (VDD 2.40 - 5.25 V)
VDD
C1
0.1 uFd
Cint
CMOD1
(Cint 1.2nF)
560E CS0
560E CS1
R3
R4
U1
CY8C20434-12LQXI
LED2
LED3
I2C_SCL R14 330E
R7 560E SL1
R8 560E SL2
R9 560E SL3
R10 560E SL4
R11 560E SL5
R12 560E CS2
R13 560E CS3
XRES
R15 330E I2C_SDA
R16 330E ISSP_SCL
R17 330E ISSP_SDA
LED1
LED0
CY8C20434 CAPSENSE
CONTROLLER BLOCK
LED0 R1 1K D1
LED1 R2 1K D2
LED2 R5 1K D3
LED3 R6 1K D4
Active Low Configuration
(OUTPUT)
R18 1K
D5
POWER LED
J1
GND
XRES
ISSP_SCL
ISSP_SDA
PROGRAMMING
PROGRAMMING HEADER
J2
R19 4.7K DNP
R20 4.7K DNP
I2C_SCL
I2C_SDA
I2C
I2C HEADER
Title
Button, Slider design with I2C header on CY8C20434
Size A4
Document Number <Doc>
Rev **
Date: Wednesday, October 12, 2011
Sheet 1 of 1