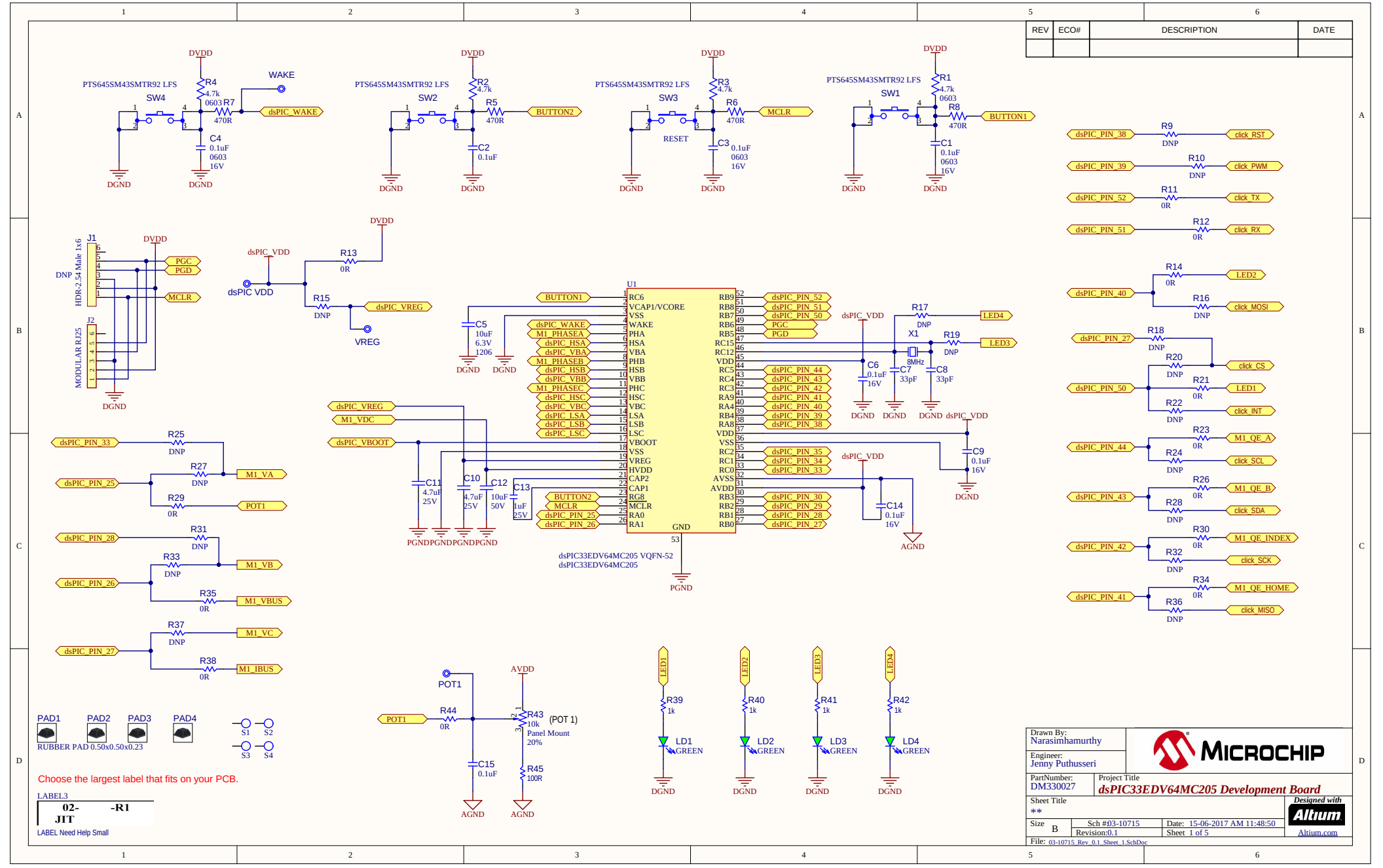
REV | ECO# | DESCRIPTION | DATE
PTS645SM43SMTR92 LFS
SW4
SW2
SW3
SW1
RESET
WAKE
BUTTON2
MCLR
BUTTON1
dsPIC_WAKE
R1 4.7k 0603
R2 4.7k
R3 4.7k
R4 4.7k 0603
R5 470R
R6 470R
R7 470R
R8 470R
C1 0.1uF 0603 16V
C2 0.1uF
C3 0.1uF 0603 16V
C4 0.1uF 0603 16V
DVDD
DGND
J1 HDR-2.54 Male 1x6
J2 MODULAR RJ25
DNP
PGC
PGD
MCLR
dsPIC VDD
R13 0R
R15 DNP
dsPIC_VREG
VREG
U1
dsPIC33EDV64MC205 VQFN-52
dsPIC33EDV64MC205
C5 10uF 6.3V 1206
C6 0.1uF 16V
C7 33pF
C8 33pF
C9 0.1uF 16V
C10 4.7uF 25V
C11 4.7uF 25V
C12 10uF 50V
C13 1uF 25V
C14 0.1uF 16V
X1 8MHz
R17 DNP
R19 DNP
LED4
LED3
dsPIC_VDD
dsPIC_VBOOT
M1_VDC
PGND
AGND
R25 DNP
R27 DNP
R29 0R
R31 DNP
R33 DNP
R35 0R
R37 DNP
R38 0R
M1_VA
M1_VB
M1_VBUS
M1_VC
M1_IBUS
POT1
R44 0R
R43 10k Panel Mount 20% (POT 1)
R45 100R
C15 0.1uF
AVDD
PAD1
PAD2
PAD3
PAD4
RUBBER PAD 0.50x0.50x0.23
S1
S2
S3
S4
Choose the largest label that fits on your PCB.
LABEL3
02- -R1
JIT
LABEL Need Help Small
LED1
LED2
LED3
LED4
R39 1k
R40 1k
R41 1k
R42 1k
LD1 GREEN
LD2 GREEN
LD3 GREEN
LD4 GREEN
R9 DNP
R10 DNP
R11 0R
R12 0R
R14 0R
R16 DNP
R18 DNP
R20 DNP
R21 0R
R22 DNP
R23 0R
R24 DNP
R26 0R
R28 DNP
R30 0R
R32 DNP
R34 0R
R36 DNP
dsPIC_PIN_38
dsPIC_PIN_39
dsPIC_PIN_52
dsPIC_PIN_51
dsPIC_PIN_40
dsPIC_PIN_27
dsPIC_PIN_50
dsPIC_PIN_44
dsPIC_PIN_43
dsPIC_PIN_42
dsPIC_PIN_41
click_RST
click_PWM
click_TX
click_RX
click_MOSI
click_CS
LED1
click_INT
M1_QE_A
click_SCL
M1_QE_B
click_SDA
M1_QE_INDEX
click_SCK
M1_QE_HOME
click_MISO
Drawn By: Narasimhamurthy
Engineer: Jenny Puthusseri
PartNumber: DM330027
Project Title: dsPIC33EDV64MC205 Development Board
Sheet Title: **
Size B
Sch #03-10715
Revision:0.1
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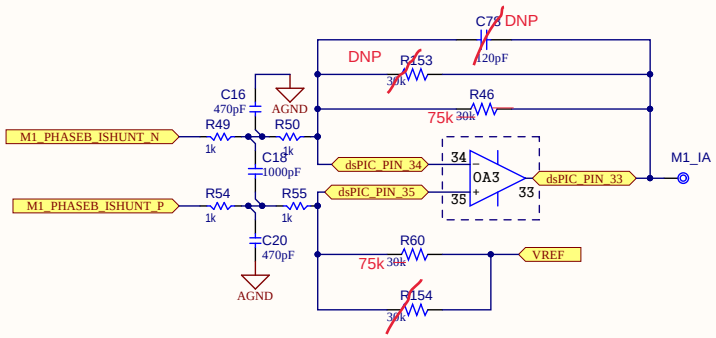
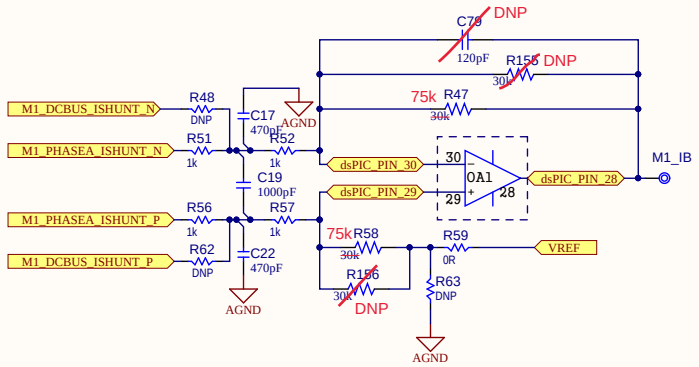
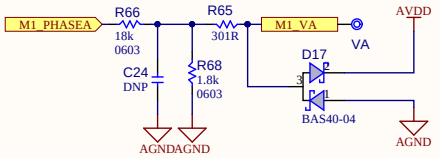
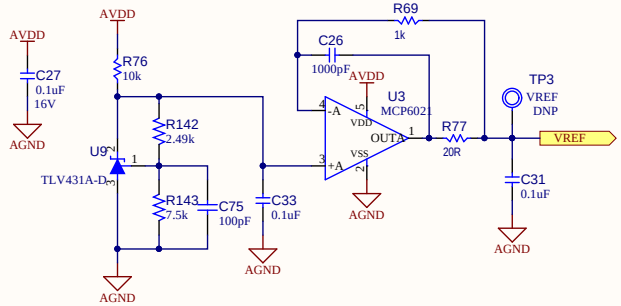
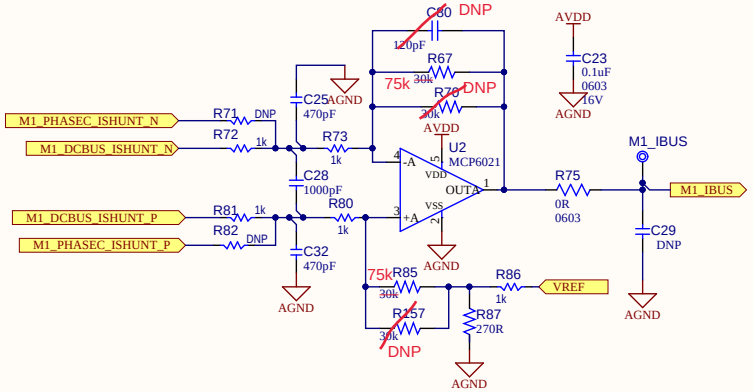
The operational amplfiers OA3 and OA1 are internal to dsPIC33EDV64MC205.

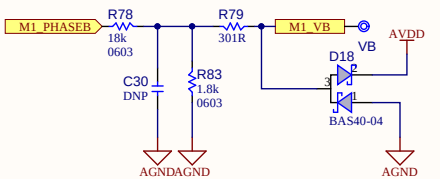


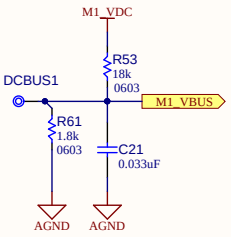


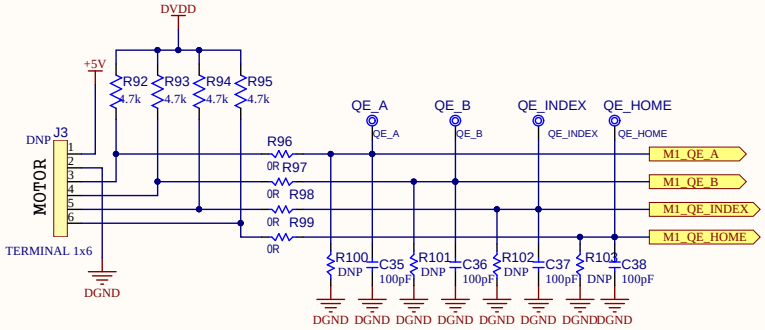


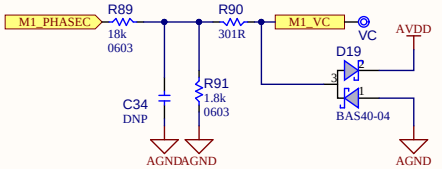












Tolerance of all resistors in the page must be 1%

Drawn By: Narasimhamurthy			
Engineer: Jenny Puthusseri			
PartNumber: DM330027	Project Title: *dsPIC33EDV64MC205 Development Board*		
Sheet Title: **			Designed with Altium
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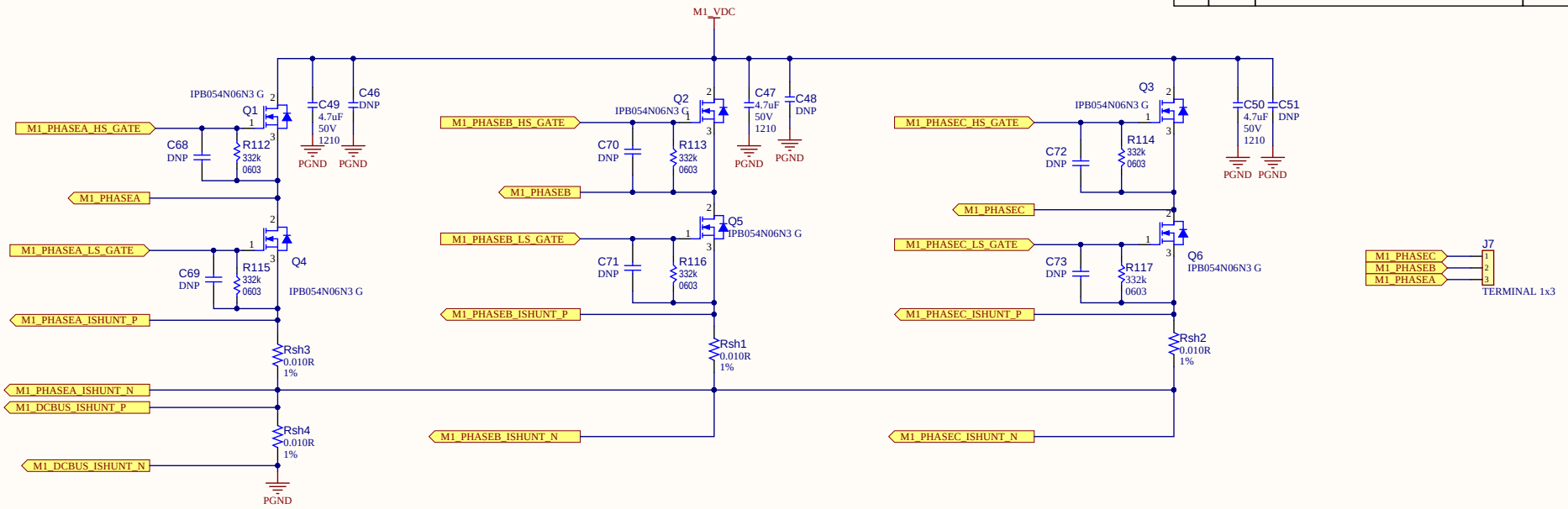

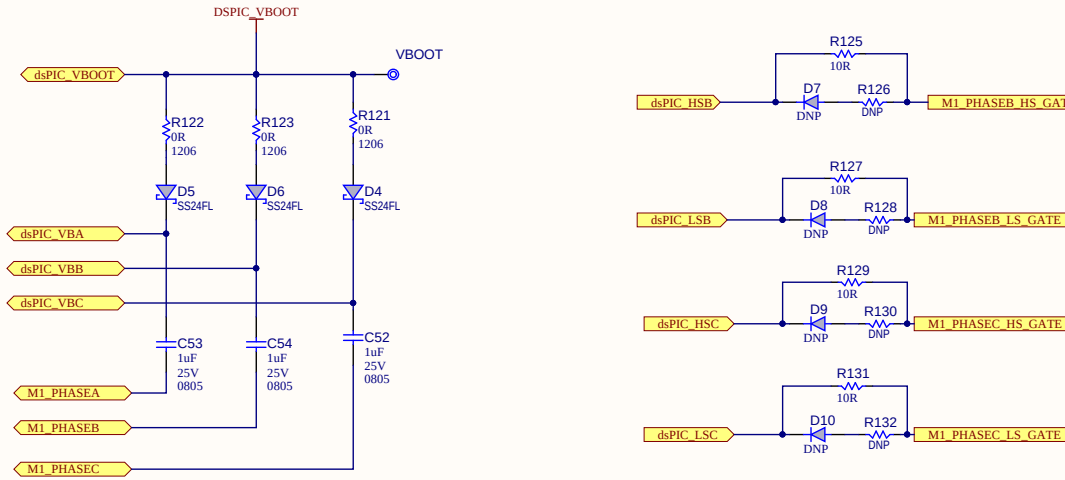

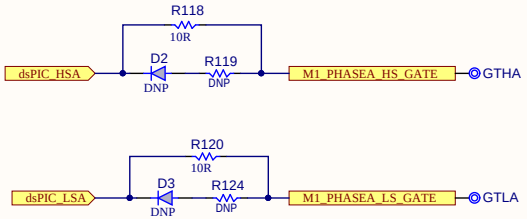

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Engineer: Jenny Puthusseri			
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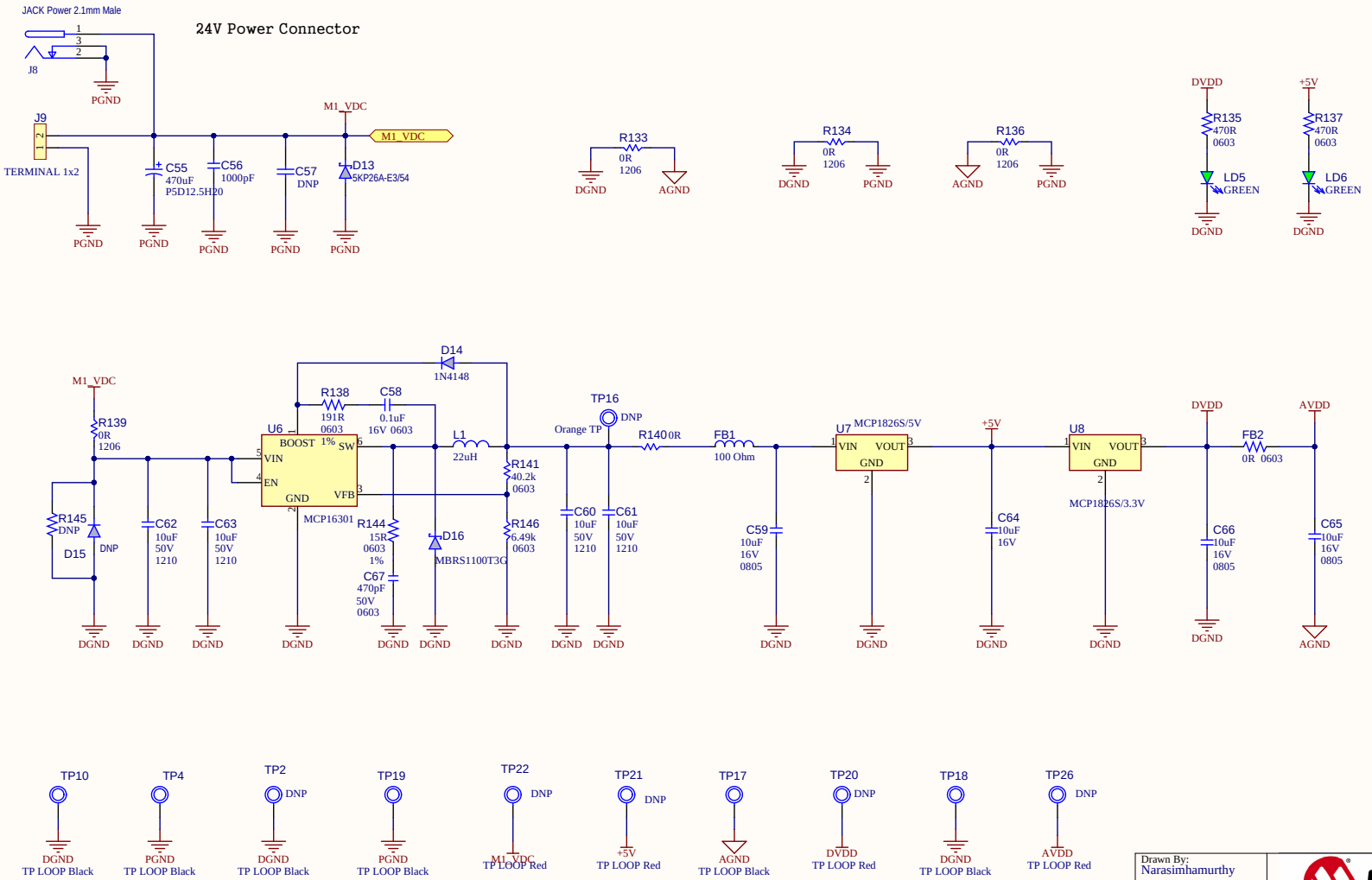

Drawn By: Narasimhamurthy		MICROCHIP	
Engineer: Jenny Puthusseri			
PartNumber: DM330027	Project Title: *dsPIC33EDV64MC205 Development Board*		
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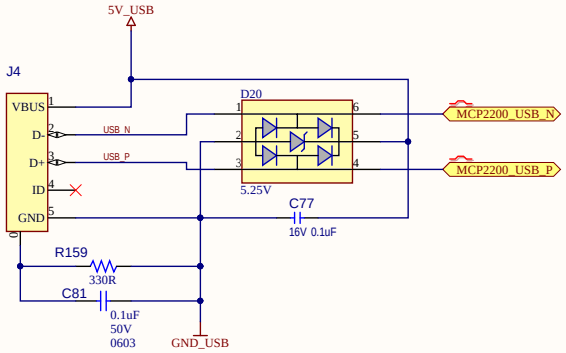
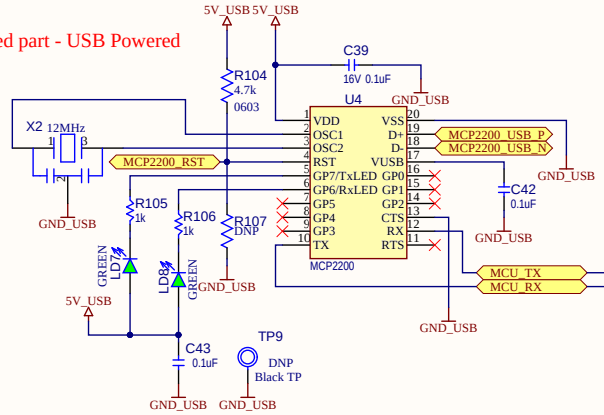
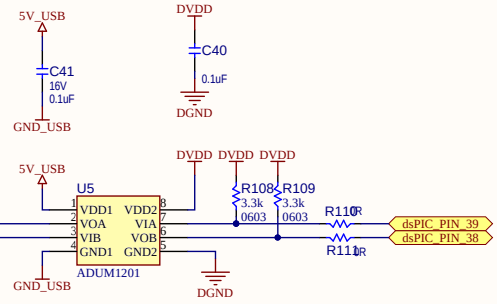
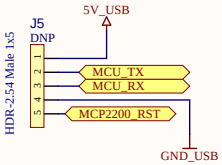


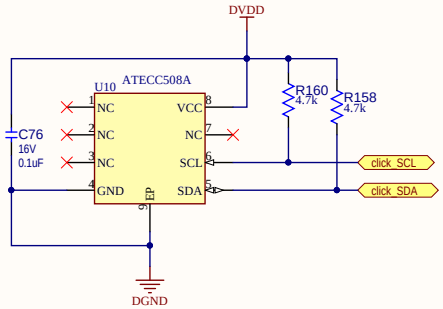
Isolated part - USB Powered



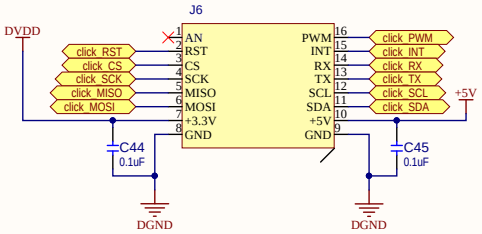
Unisolated part - DVDD powered







mikroBUS™ Interface



NYLON MACHINE SCREW PAN SLOTTED 4-40-3/8"

SCR1

NYLON MACHINE SCREW PAN SLOTTED 4-40-3/8"

SCR2

NUT1

HEX NUT 1/4" NYLON 4-40

NUT2

HEX NUT 1/4" NYLON 4-40

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