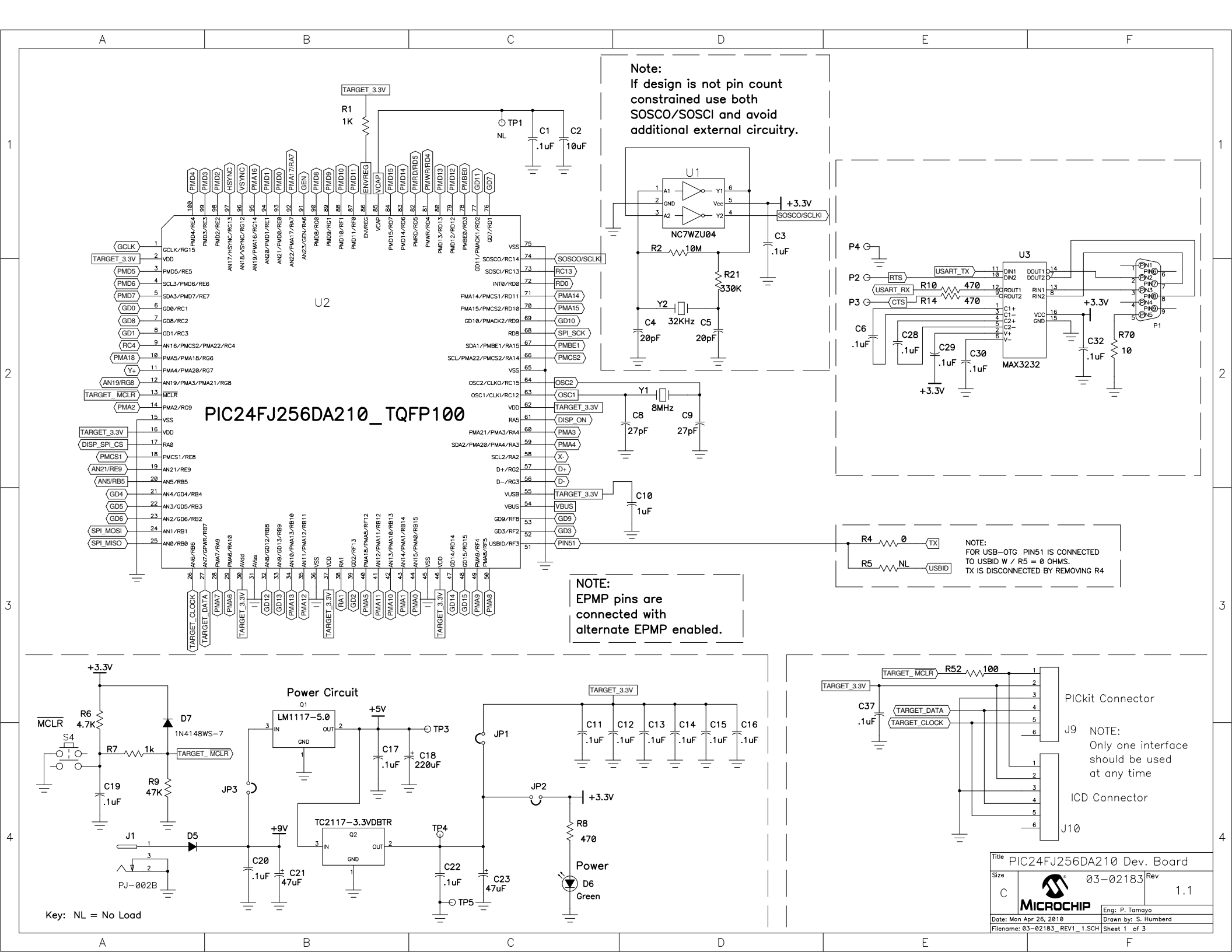
Note:
If design is not pin count constrained use both SOSCO/SOSCI and avoid additional external circuitry.
PIC24FJ256DA210_TQFP100
U2
U1
NC7WZU04
U3
MAX3232
P1
NOTE:
EPMP pins are connected with alternate EPMP enabled.
NOTE:
FOR USB-OTG PIN51 IS CONNECTED TO USBID W / R5 = 0 OHMS.
TX IS DISCONNECTED BY REMOVING R4
Power Circuit
LM1117-5.0
TC2117-3.3VDBTR
PICkit Connector
J9
NOTE:
Only one interface should be used at any time
ICD Connector
J10
Key: NL = No Load
Title PIC24FJ256DA210 Dev. Board
Size C
03-02183
Rev 1.1
MICROCHIP
Eng: P. Tamayo
Date: Mon Apr 26, 2010
Drawn by: S. Humberd
Filename: 03-02183_REV1_1.SCH
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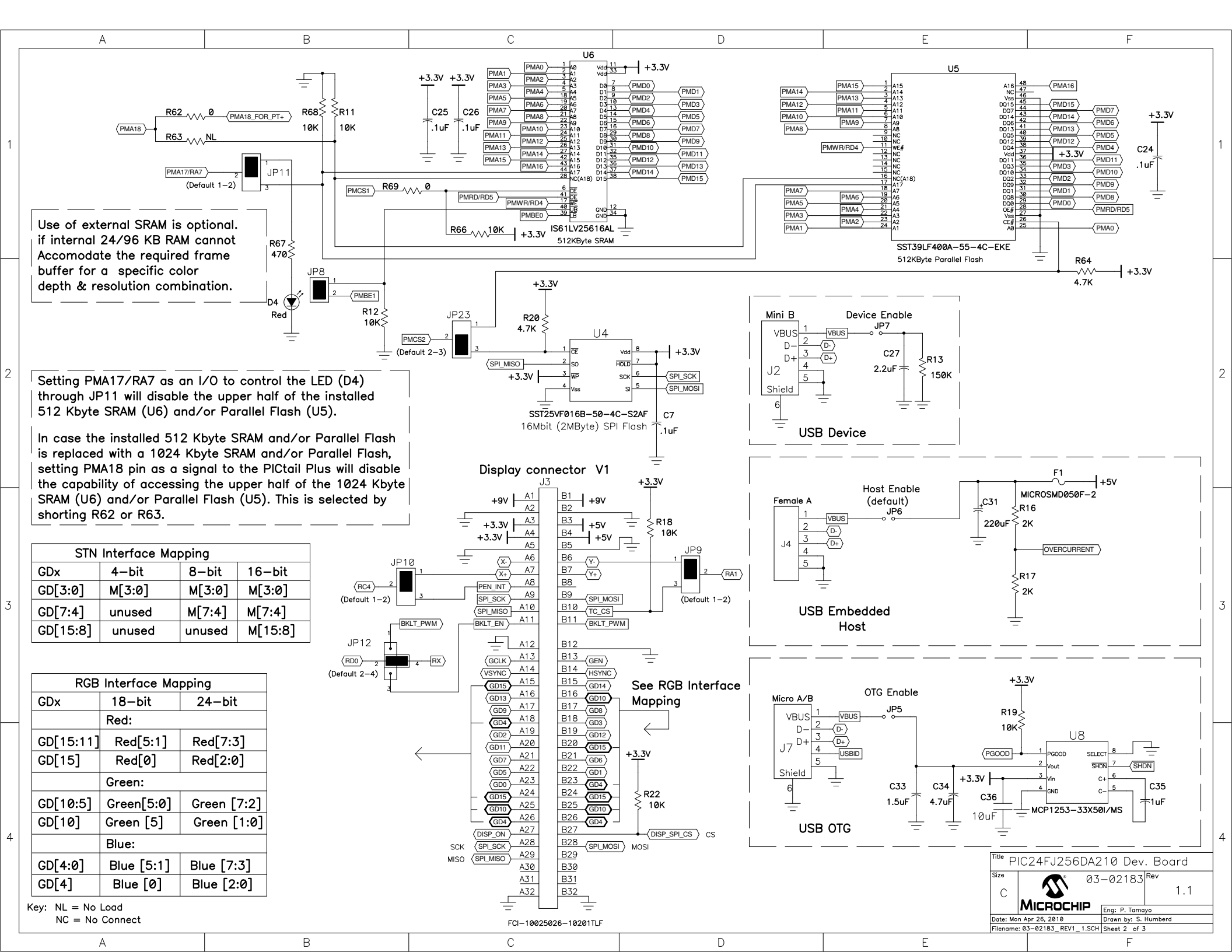

STN Interface Mapping			
GDx	4–bit	8–bit	16–bit
GD[3:0]	M[3:0]	M[3:0]	M[3:0]
GD[7:4]	unused	M[7:4]	M[7:4]
GD[15:8]	unused	unused	M[15:8]

RGB Interface Mapping		
GDx	18–bit	24–bit
	Red:	
GD[15:11]	Red[5:1]	Red[7:3]
GD[15]	Red[0]	Red[2:0]
	Green:	
GD[10:5]	Green[5:0]	Green [7:2]
GD[10]	Green [5]	Green [1:0]
	Blue:	
GD[4:0]	Blue [5:1]	Blue [7:3]
GD[4]	Blue [0]	Blue [2:0]

Key: NL = No Load
NC = No Connect

Title	PIC24FJ256DA210 Dev. Board
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	03–02183
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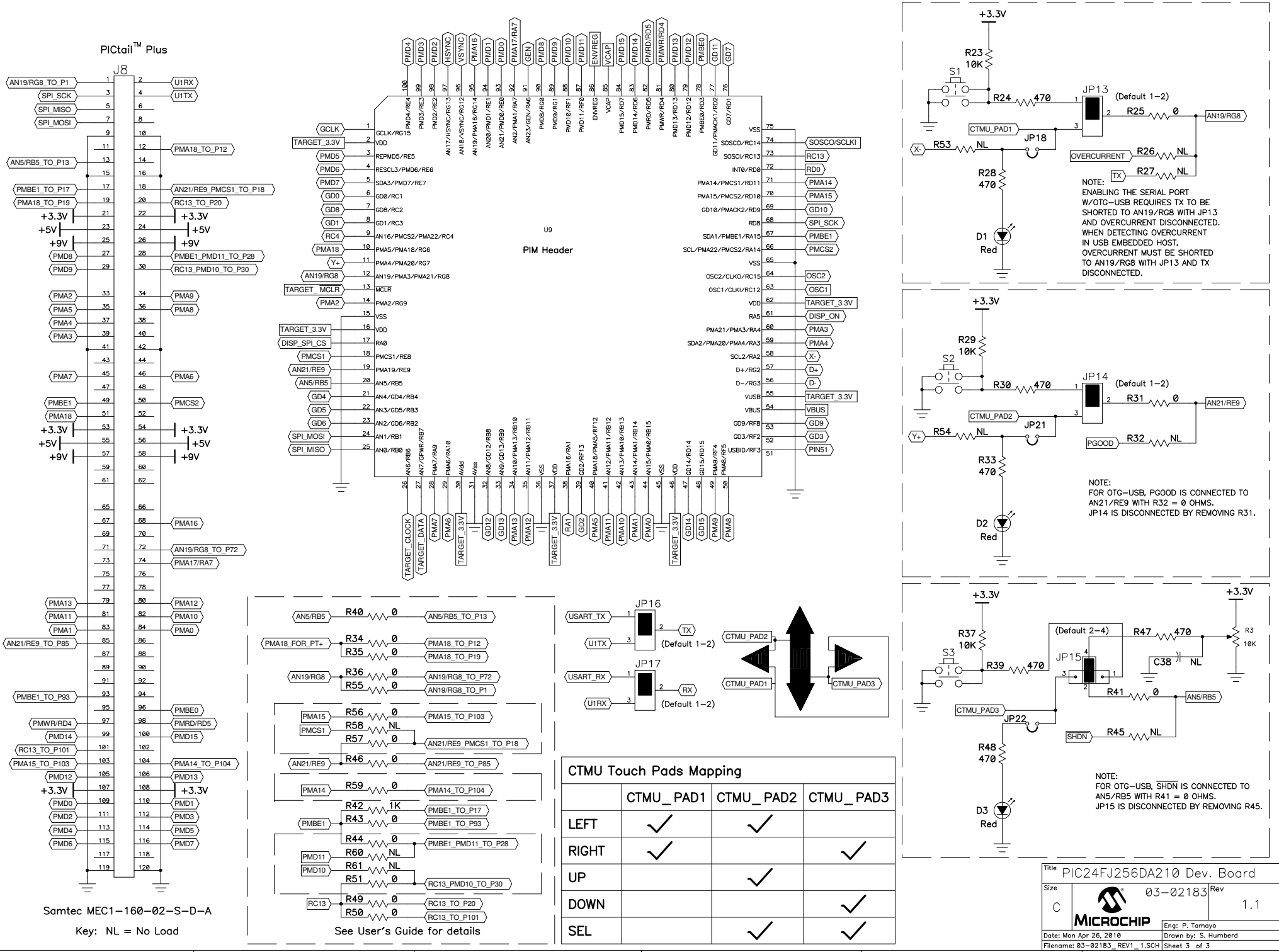
Filename: 03–02183_REV1_1.SCH	Sheet 2 of 3


PICtail™ Plus
J8
Samtec MEC1-160-02-S-D-A
Key: NL = No Load
U9
PIM Header
See User's Guide for details
CTMU Touch Pads Mapping
CTMU_PAD1
CTMU_PAD2
CTMU_PAD3
LEFT
RIGHT
UP
DOWN
SEL
JP13
JP14
JP15
JP16
JP17
JP18
JP21
JP22
S1
S2
S3
D1 Red
D2 Red
D3 Red
NOTE: ENABLING THE SERIAL PORT W/OTG-USB REQUIRES TX TO BE SHORTED TO AN19/RG8 WITH JP13 AND OVERCURRENT DISCONNECTED. WHEN DETECTING OVERCURRENT IN USB EMBEDDED HOST, OVERCURRENT MUST BE SHORTED TO AN19/RG8 WITH JP13 AND TX DISCONNECTED.
NOTE: FOR OTG-USB, PGOOD IS CONNECTED TO AN21/RE9 WITH R32 = 0 OHMS. JP14 IS DISCONNECTED BY REMOVING R31.
NOTE: FOR OTG-USB, SHDN IS CONNECTED TO AN5/RB5 WITH R41 = 0 OHMS. JP15 IS DISCONNECTED BY REMOVING R45.
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Filename: 03-02183_REV1_1.SCH
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