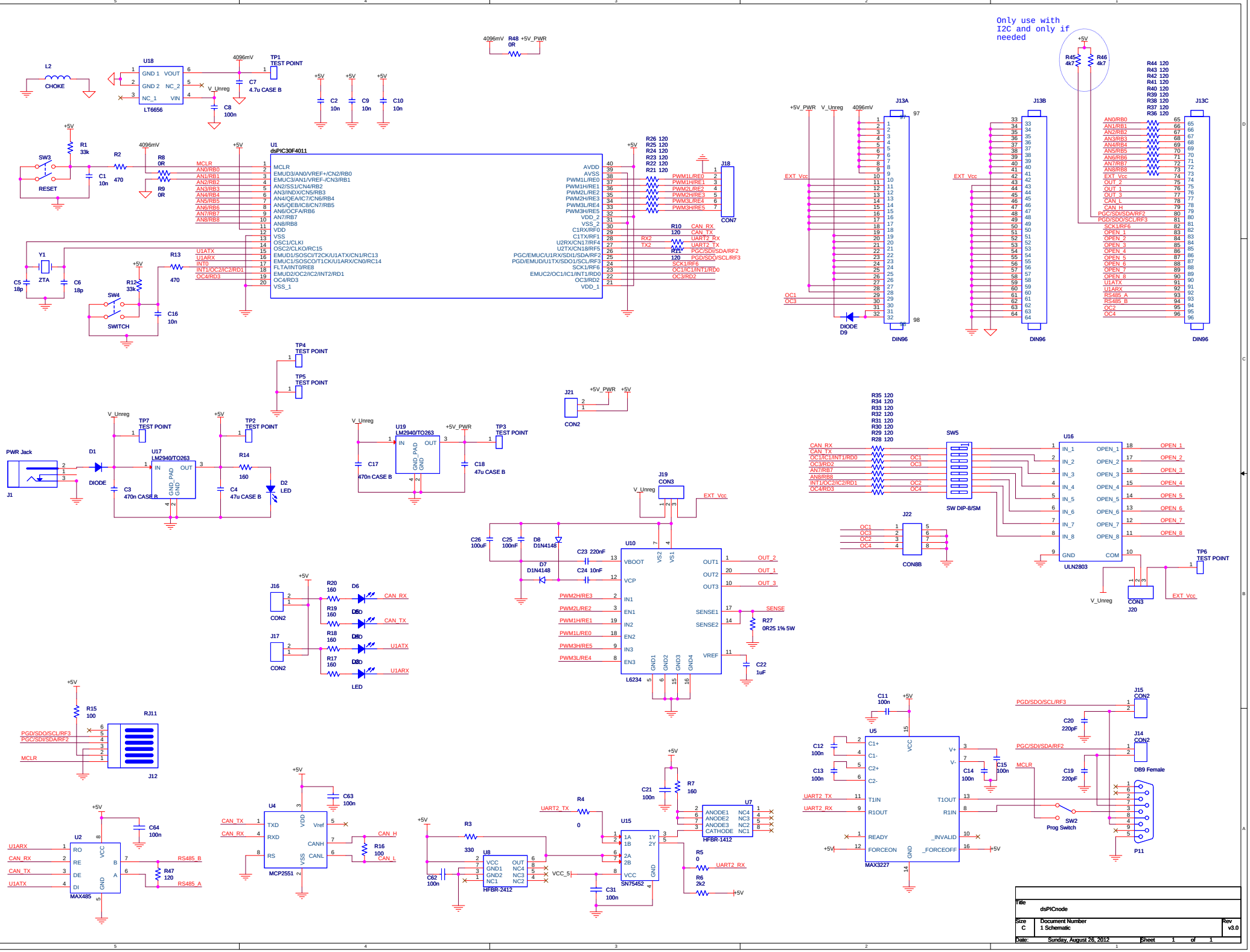
Only use with
I2C and only if
needed
U1
dsPIC30F4011
U18
LT6656
U17
LM2940/TO263
U19
LM2940/TO263
U10
L6234
U16
ULN2803
U2
MAX485
U4
MCP2551
U5
MAX3227
U7
HFBR-1412
U8
HFBR-2412
U15
SN75452
J13A
DIN96
J13B
DIN96
J13C
DIN96
J18
CON7
J19
CON3
J20
CON3
J21
CON2
J22
CON8B
J15
CON2
J14
CON2
J16
CON2
J17
CON2
J1
PWR Jack
J12
RJ11
P11
DB9 Female
SW5
SW DIP-8/SM
SW2
Prog Switch
TP1
TEST POINT
TP2
TEST POINT
TP3
TEST POINT
TP4
TEST POINT
TP5
TEST POINT
TP6
TEST POINT
TP7
TEST POINT
D1
DIODE
D2
LED
D9
DIODE
SW3
RESET
SW4
SWITCH
Y1
ZTA
L2
CHOKE
R48 0R
R1 33k
R2 470
R8 0R
R9 0R
R12 33k
R13 470
R14 160
R15 100
R16 100
R27 0R25 1% 5W
R45 4k7
R46 4k7
C1 10n
C2 10n
C3 470n CASE B
C4 47u CASE B
C5 18p
C6 18p
C7 4.7u CASE B
C8 100n
C9 10n
C10 10n
C11 100n
C12 100n
C13 100n
C14 100n
C15 100n
C16 10n
C17 470n CASE B
C18 47u CASE B
C19 220pF
C20 220pF
C21 100n
C22 1uF
C23 220nF
C24 10nF
C25 100nF
C26 100uF
C31 100n
C62 100n
C63 100n
C64 100n
D6
D7 D1N4148
D8 D1N4148
R20 160
R19 160
R18 160
R17 160
R3 330
R4 0
R5 0
R6 2k2
R7 160
R47 120
4096mV
+5V
+5V_PWR
V_Unreg
EXT_Vcc
CAN_RX
CAN_TX
U1ATX
U1ARX
RS485_B
RS485_A
CAN_H
CAN_L
UART2_TX
UART2_RX
VCC_5
SENSE
OUT_1
OUT_2
OUT_3
OPEN_1
OPEN_2
OPEN_3
OPEN_4
OPEN_5
OPEN_6
OPEN_7
OPEN_8
PGD/SDO/SCL/RF3
PGC/SDI/SDA/RF2
MCLR
Title
dsPICnode
Size
C
Document Number
1 Schematic
Rev
v3.0
Date:
Sunday, August 26, 2012
Sheet
1
of
1