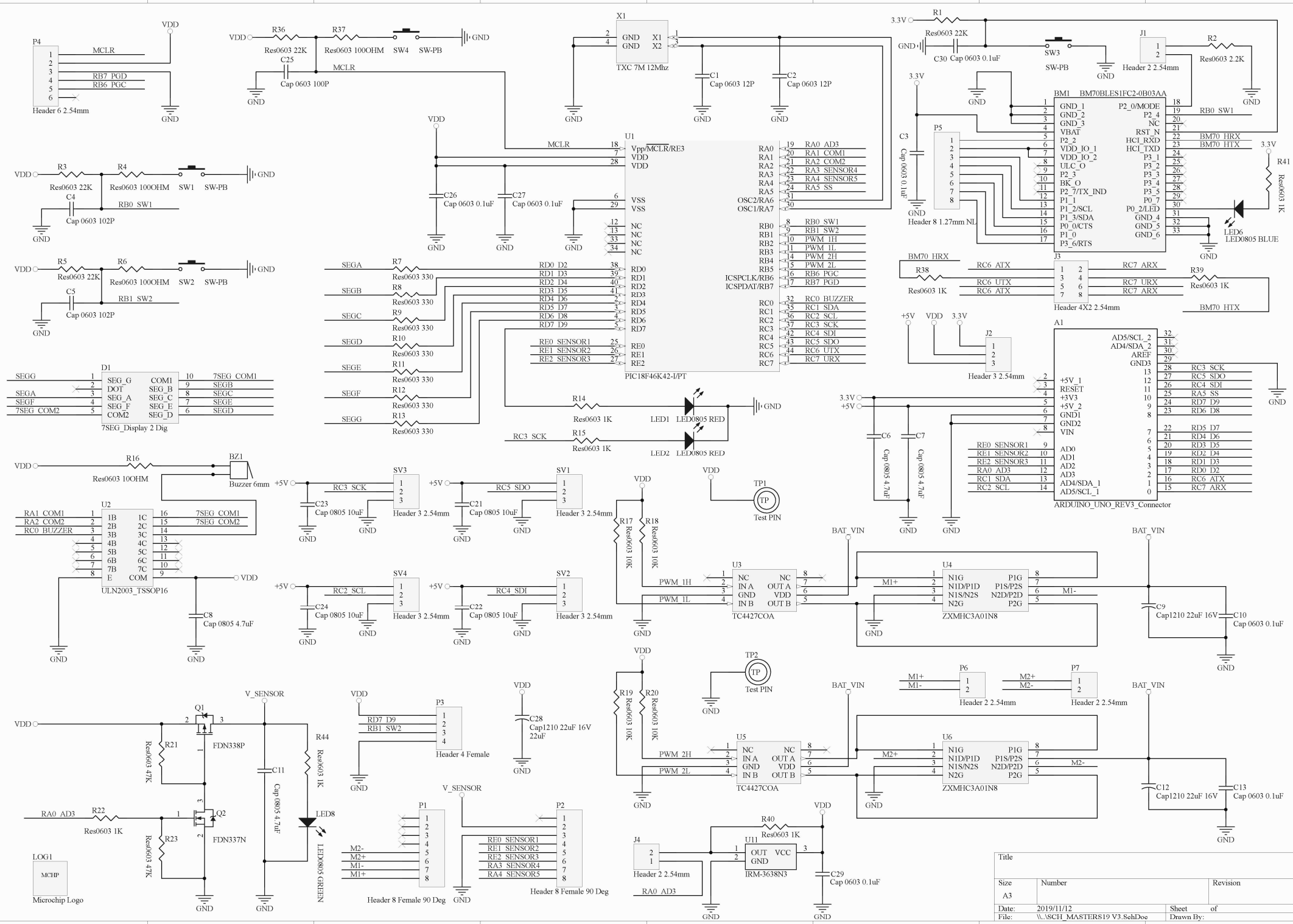
P4
MCLR
RB7_PGD
RB6_PGC
Header 6 2.54mm
VDD
GND
R36
R37
Res0603 22K
Res0603 100OHM
SW4
SW-PB
C25
Cap 0603 100P
X1
TXC 7M 12Mhz
C1
Cap 0603 12P
C2
R1
Res0603 22K
C30 Cap 0603 0.1uF
SW3
J1
Header 2 2.54mm
R2
Res0603 2.2K
3.3V
BM1 BM70BLES1FC2-0B03AA
P5
Header 8 1.27mm NL
C3
Cap 0603 0.1uF
R3
R4
SW1
RB0_SW1
C4
Cap 0603 102P
R5
R6
SW2
RB1_SW2
C5
Cap 0603 102P
U1
PIC18F46K42-I/PT
MCLR
VDD
VSS
NC
C26
C27
Cap 0603 0.1uF
R41
Res0603 1K
LED6
LED0805 BLUE
BM70_HRX
BM70_HTX
R38
R39
Header 4X2 2.54mm
SEGA
SEGB
SEGC
SEGD
SEGE
SEGF
SEGG
R7
R8
R9
R10
R11
R12
R13
Res0603 330
D1
7SEG_Display 2 Dig
R14
R15
Res0603 1K
LED1
LED2
LED0805 RED
RC3_SCK
J2
Header 3 2.54mm
+5V
A1
ARDUINO_UNO_REV3_Connector
C6
C7
Cap 0805 4.7uF
R16
Res0603 10OHM
BZ1
Buzzer 6mm
U2
ULN2003_TSSOP16
C8
SV3
SV1
SV4
SV2
C23
C21
C24
C22
Cap 0805 10uF
R17
R18
Res0603 10K
U3
TC4427COA
TP1
Test PIN
BAT_VIN
U4
ZXMHC3A01N8
C9
Cap1210 22uF 16V
C10
Cap 0603 0.1uF
PWM_1H
PWM_1L
M1+
M1-
R19
R20
U5
TC4427COA
TP2
U6
ZXMHC3A01N8
C12
C13
PWM_2H
PWM_2L
M2+
M2-
P6
P7
Header 2 2.54mm
Q1
FDN338P
Q2
FDN337N
R21
R22
R23
Res0603 47K
R44
Res0603 1K
C11
Cap 0805 4.7uF
LED8
LED0805 GREEN
V_SENSOR
P3
Header 4 Female
C28
Cap1210 22uF 16V
22uF
P1
P2
Header 8 Female 90 Deg
LOG1
MCHP
Microchip Logo
J4
U11
IRM-3638N3
R40
C29
Cap 0603 0.1uF
Title
Size
A3
Number
Revision
Date:
2019/11/12
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of
File:
\\..\SCH_MASTERS19 V3.SehDoe
Drawn By: