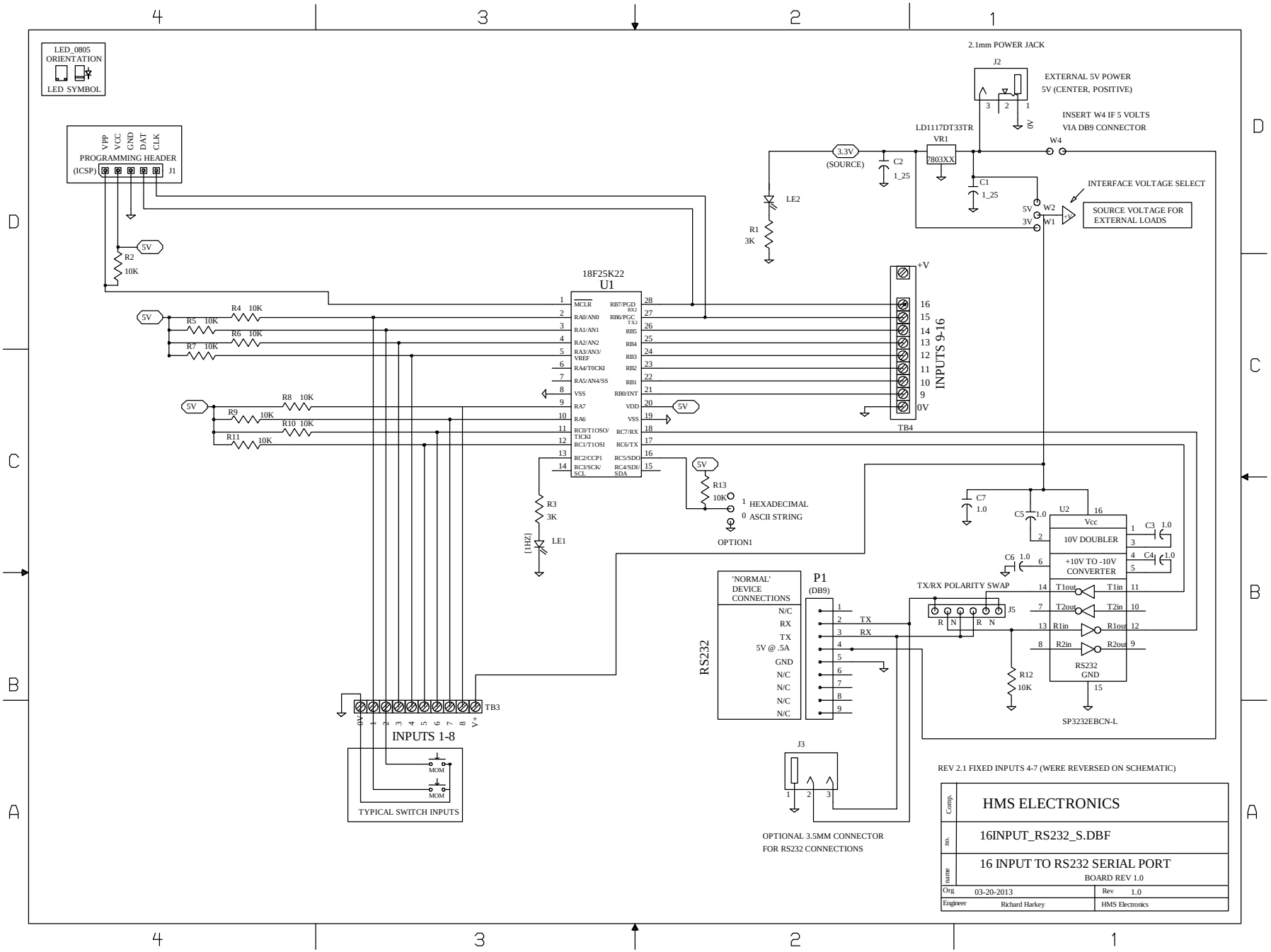
LED_0805 ORIENTATION
LED SYMBOL
PROGRAMMING HEADER (ICSP)
VPP VCC GND DAT CLK
J1
R2 10K
5V
18F25K22
U1
MCLR
RA0/AN0
RA1/AN1
RA2/AN2
RA3/AN3/VREF
RA4/T0CKI
RA5/AN4/SS
VSS
RA7
RA6
RC0/T1OSO/TICKI
RC1/T1OSI
RC2/CCP1
RC3/SCK/SCL
RB7/PGD
RB6/PGC
RB5
RB4
RB3
RB2
RB1
RB0/INT
VDD
VSS
RC7/RX
RC6/TX
RC5/SDO
RC4/SDI/SDA
R4 10K
R5 10K
R6 10K
R7 10K
R8 10K
R9 10K
R10 10K
R11 10K
R3 3K
LE1
[1HZ]
R13 10K
HEXADECIMAL
ASCII STRING
OPTION1
TB3
INPUTS 1-8
MOM
TYPICAL SWITCH INPUTS
2.1mm POWER JACK
J2
EXTERNAL 5V POWER
5V (CENTER, POSITIVE)
INSERT W4 IF 5 VOLTS
VIA DB9 CONNECTOR
W4
LD1117DT33TR
VR1
7803XX
3.3V
(SOURCE)
C2 1_25
C1 1_25
LE2
R1 3K
INTERFACE VOLTAGE SELECT
W2
W1
SOURCE VOLTAGE FOR EXTERNAL LOADS
TB4
INPUTS 9-16
+V
0V
'NORMAL' DEVICE CONNECTIONS
N/C
RX
TX
5V @ .5A
GND
RS232
P1
(DB9)
TX
RX
J3
OPTIONAL 3.5MM CONNECTOR
FOR RS232 CONNECTIONS
TX/RX POLARITY SWAP
J5
R N R N
C7 1.0
C5 1.0
C6 1.0
C3 1.0
C4 1.0
U2
Vcc
10V DOUBLER
+10V TO -10V CONVERTER
T1out
T2out
R1in
R2in
T1in
T2in
R1out
R2out
RS232 GND
R12 10K
SP3232EBCN-L
REV 2.1 FIXED INPUTS 4-7 (WERE REVERSED ON SCHEMATIC)
Comp.
HMS ELECTRONICS
no.
16INPUT_RS232_S.DBF
name
16 INPUT TO RS232 SERIAL PORT
BOARD REV 1.0
Org
03-20-2013
Rev
1.0
Engineer
Richard Harkey
HMS Electronics