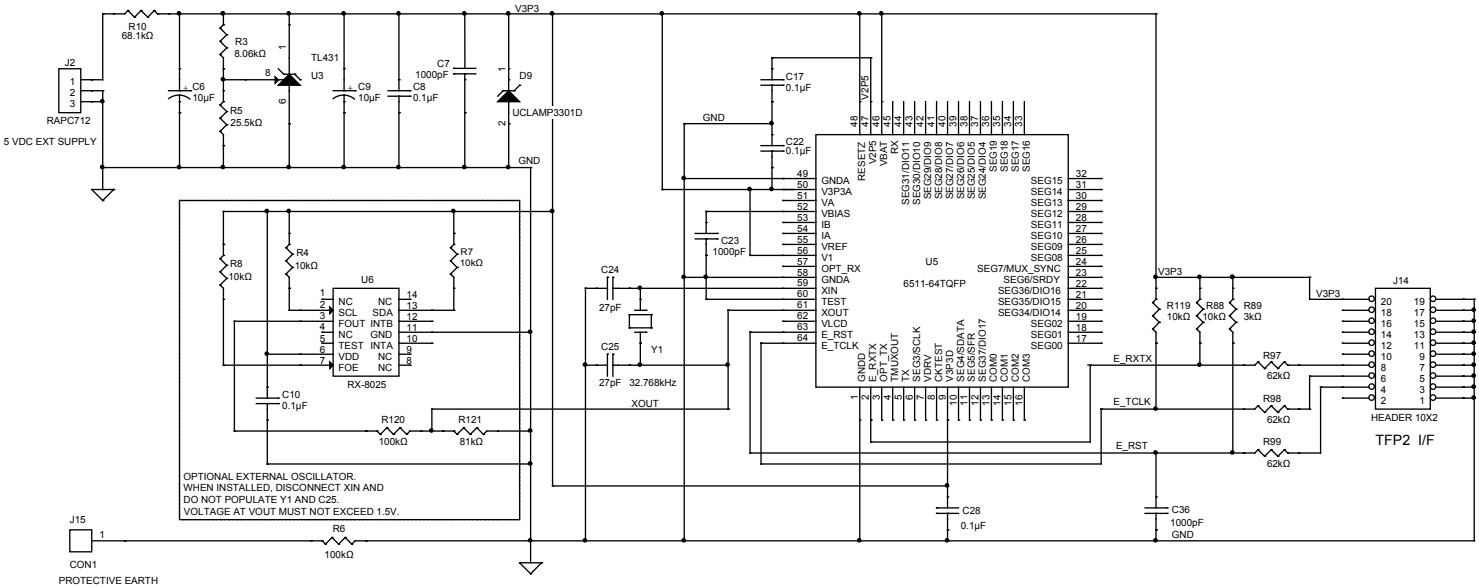
J2
RAPC712
5 VDC EXT SUPPLY
R10
68.1kΩ
R3
8.06kΩ
R5
25.5kΩ
C6
10µF
TL431
U3
C9
10µF
C8
0.1µF
C7
1000pF
D9
UCLAMP3301D
V3P3
GND
C17
0.1µF
C22
0.1µF
C23
1000pF
U5
6511-64TQFP
GNDA
V3P3A
VA
VBIAS
IB
IA
VREF
V1
OPT_RX
GNDA
XIN
TEST
XOUT
VLCD
E_RST
E_TCLK
RESETZ
V2P5
VA1
RX
SEG31/DIO11
SEG30/DIO10
SEG29/DIO9
SEG28/DIO8
SEG27/DIO7
SEG26/DIO6
SEG25/DIO5
SEG24/DIO4
SEG19
SEG18
SEG17
SEG16
SEG15
SEG14
SEG13
SEG12
SEG11
SEG10
SEG09
SEG08
SEG7/MUX_SYNC
SEG6/SRDY
SEG36/DIO16
SEG35/DIO15
SEG34/DIO14
SEG02
SEG01
SEG00
GNDD
E_RXTX
E_TCLK
TMUXOUT
TX
SEG5/SCLK
SEG4/SDATA
SEG3/SFR
SEG2/DIO17
COM0
COM1
COM2
COM3
R8
10kΩ
R4
10kΩ
R7
10kΩ
U6
RX-8025
NC
SCL
FOUT
NC
TEST
VDD
FOE
SDA
INTB
GND
INTA
NC
NC
C10
0.1µF
R120
100kΩ
R121
81kΩ
C24
27pF
C25
27pF
Y1
32.768kHz
XOUT
OPTIONAL EXTERNAL OSCILLATOR.
WHEN INSTALLED, DISCONNECT XIN AND
DO NOT POPULATE Y1 AND C25.
VOLTAGE AT VOUT MUST NOT EXCEED 1.5V.
J15
CON1
PROTECTIVE EARTH
R6
100kΩ
C28
0.1µF
C36
1000pF
GND
R119
10kΩ
R88
10kΩ
R89
3kΩ
R97
62kΩ
R98
62kΩ
R99
62kΩ
E_RXTX
E_TCLK
E_RST
J14
HEADER 10X2
TFP2 I/F