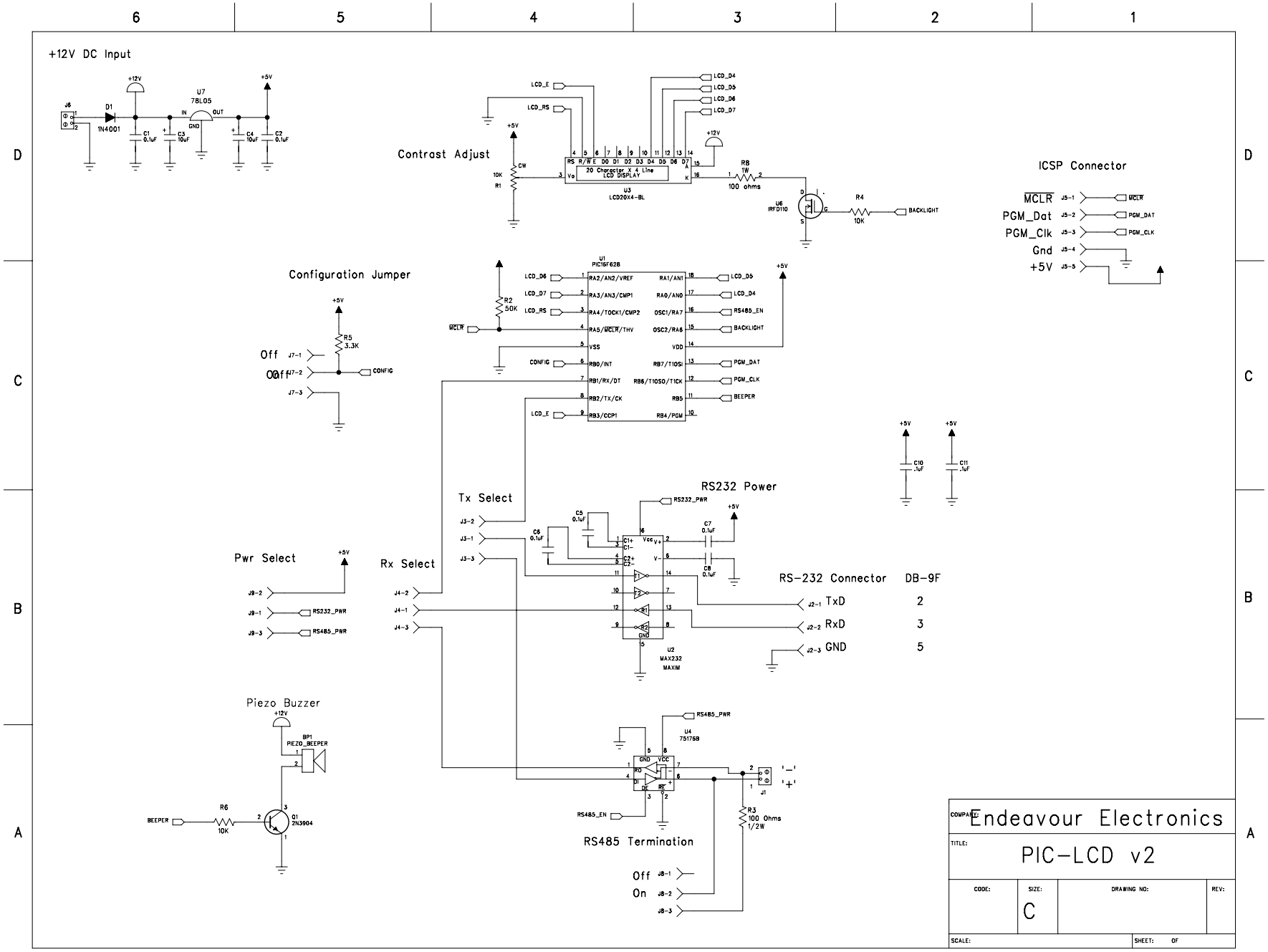
+12V DC Input
J6
D1
1N4001
C1 0.1uF
C3 10uF
U7
78L05
IN
OUT
GND
C4 10uF
C2 0.1uF
Contrast Adjust
R1 10K
U3
LCD20X4-BL
20 Character X 4 Line
LCD DISPLAY
R8 1W 100 ohms
U6 IRFD110
R4 10K
BACKLIGHT
ICSP Connector
MCLR J5-1
PGM_Dat J5-2
PGM_Clk J5-3
Gnd J5-4
+5V J5-5
Configuration Jumper
R5 3.3K
Off J7-1
On J7-2
J7-3
CONFIG
U1
PIC16F628
RA2/AN2/VREF
RA3/AN3/CMP1
RA4/T0CK1/CMP2
RA5/MCLR/THV
VSS
RB0/INT
RB1/RX/DT
RB2/TX/CK
RB3/CCP1
RA1/AN1
RA0/AN0
OSC1/RA7
OSC2/RA6
VDD
RB7/T1OSI
RB6/T1OSO/T1CK
RB5
RB4/PGM
R2 50K
C10 .1uF
C11 .1uF
RS232 Power
RS232_PWR
Tx Select
J3-2
J3-1
J3-3
C5 0.1uF
C6 0.1uF
C7 0.1uF
C8 0.1uF
U2
MAX232
MAXIM
Pwr Select
J9-2
J9-1
J9-3
RS232_PWR
RS485_PWR
Rx Select
J4-2
J4-1
J4-3
RS-232 Connector DB-9F
J2-1 TxD 2
J2-2 RxD 3
J2-3 GND 5
Piezo Buzzer
BP1
PIEZO_BEEPER
BEEPER
R6 10K
Q1 2N3904
U4
75176B
RS485_EN
J1
'-'
'+'
R3 100 Ohms 1/2W
RS485 Termination
Off J8-1
On J8-2
J8-3
COMPANY: Endeavour Electronics
TITLE: PIC-LCD v2
CODE:
SIZE: C
DRAWING NO:
REV:
SCALE:
SHEET: OF