Arduino NANO

LCD2004A

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TX1	VIN
RX0	GND
RST	RST
GND	5V
D2	A7
D3	A6
D4	A5
D5	A4
D6	A3
D7	A2
D8	A1
D9	A0
D10	REF
D11	3V3
D12	D13

RESET

USB

Morse Out To TX

J1

Q1
2N2222

c
b
e

100R
R2

TX

SCL

SDA

220R
R1

LED
D1

LED

Dah

Dit

Morse
Speed

VR1
10K

Straight
Key

J2

C1

100nf

Paddle

J3

Dah

Dit

C2

C3

100nf

100nf

GND
VCC
SDA
SCL

ABCDEFGHIJKLNMOPQRST
UVWXYZabcdefghijklmn
opqrstuvwxyz12345678
90!@#$%&*()<>[]:";'?

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Requires VK2IDL Morse Encoder v2.0 Arduino Sketch

Rev 1.0: Initial Release
Rev 1.1: Added Morse Key & Paddle inputs
Rev 1.2: Added Rotary Morse Speed Control
Rev 2.0: Added LCD Display and Morse Decoding
Rev 2.0a: Added sockets to schematic

VK2IDL		
Arduino CW Encoder		
Ian Lindquist	Rev 2.0a	Page 1
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