VCC

U1
VK16K33

Pin	Name		Name	Pin
1	VSS		VDD	20
2	GRID0		SDA	19
3	GRID1/KS0		SCL	18
4	GRID2/KS1		SEG0/K1	17
5	GRID3/KS2		SEG1/K2	16
6	GRID4		SEG2/K3	15
7	GRID5		SEG3/K4	14
8	GRID6		SEG4/K5	13
9	GRID7		SEG5/K6	12
10	SEG7/K8/INT		SEG6/K7	11

R1 10K
R2 10K

SDA
SCL

DIG1
DIG2
DIG3
DIG4

RN1
33R

GND

DIG_P

DP

A
B
C
D
E
F
G

U2
LSH4401CUR

14 DIG1
13 A
12 F
11 DIG2
10 DIG3
9 B

D1
A
F
D2
D3
B

E
D
DP
C
G
DIG4
DIG_P7

1 E
2 D
3 DP
4 C
5 G
6 DIG4
7

VCC

C1
10uF

C2
0.1uF

GND

VCC

SCL
SDA

J1
Edge_Con4

GND

VCC

SCL
SDA

JP1

GND

Sheet: /
File: VK16K33.kicad_sch
Title: VK16K33
Size: A4 | Date: 2026-01-16 | Rev: V1.0
KiCad E.D.A. 8.0.3 | Id: 1/1