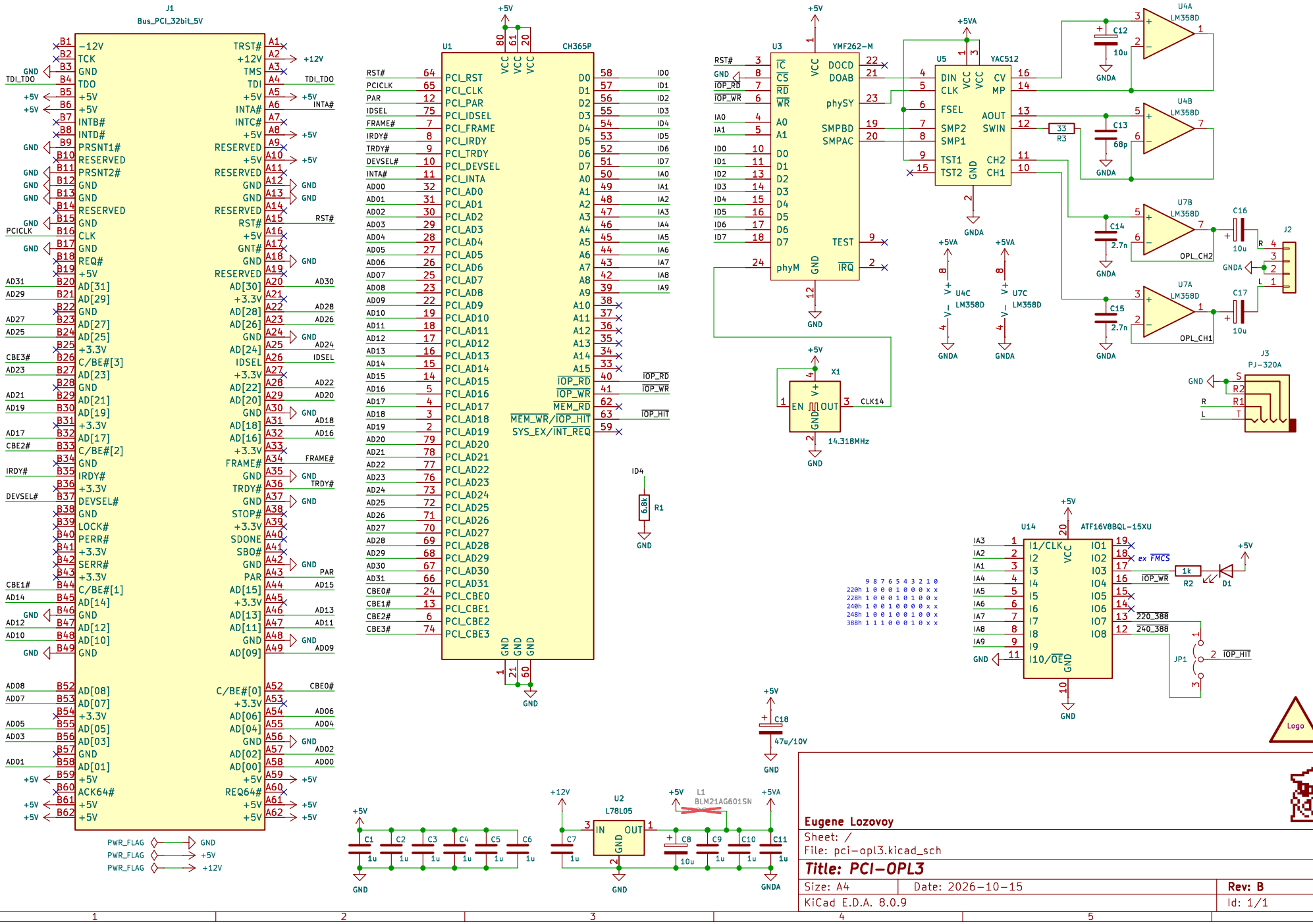
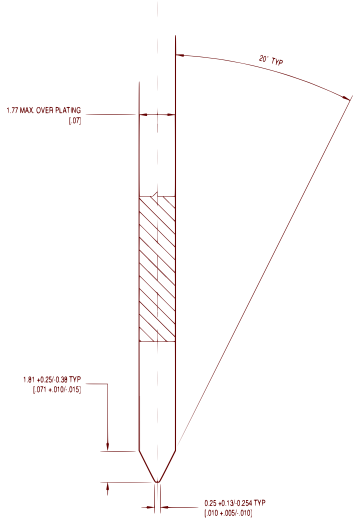
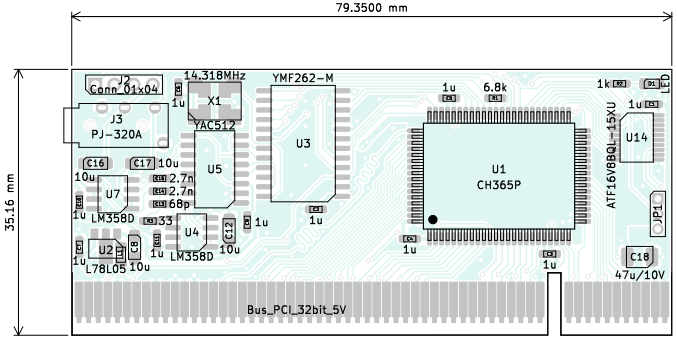

J1
Bus_PCI_32bit_5V
U1
CH365P
U3
YMF262-M
U5
YAC512
U4A
LM358D
U4B
LM358D
U4C
LM358D
U7A
LM358D
U7B
LM358D
U7C
LM358D
X1
14.318MHz
U14
ATF16V8BQL-15XU
U2
L78L05
L1
BLM21AG601SN
J2
J3
PJ-320A
R1
6.8k
R2
1k
R3
33
D1
JP1
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
C16
C17
C18
Eugene Lozovoy
Sheet: /
File: pci-opl3.kicad_sch
Title: PCI-OPL3
Size: A4
Date: 2026-10-15
Rev: B
KiCad E.D.A. 8.0.9
Id: 1/1



PCI Add-in Card Edge Connector Bevel
(PCI LOCAL BUS SPECIFICATION, REV. 3.0)



Layers: 2
Dimensions: 79.35x35.16mm
Thickness: 1.6mm

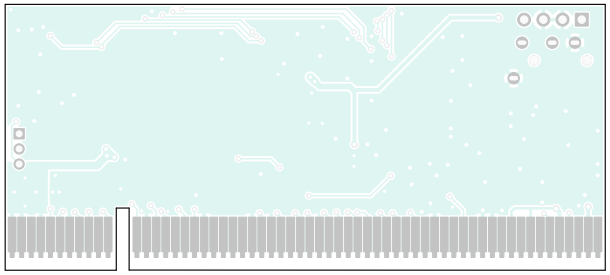
Min clearance: 0.2mm
Min track: 0.2mm
Min hole: 0.3mm
Min annular ring: 0.15mm

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Sheet:
File: pci-opl3.kicad_pcb

Title: PCI-OPL3

Size: A4	Date: 2026-10-15	**Rev: B**
KiCad E.D.A. 8.0.9		Id: 1/1



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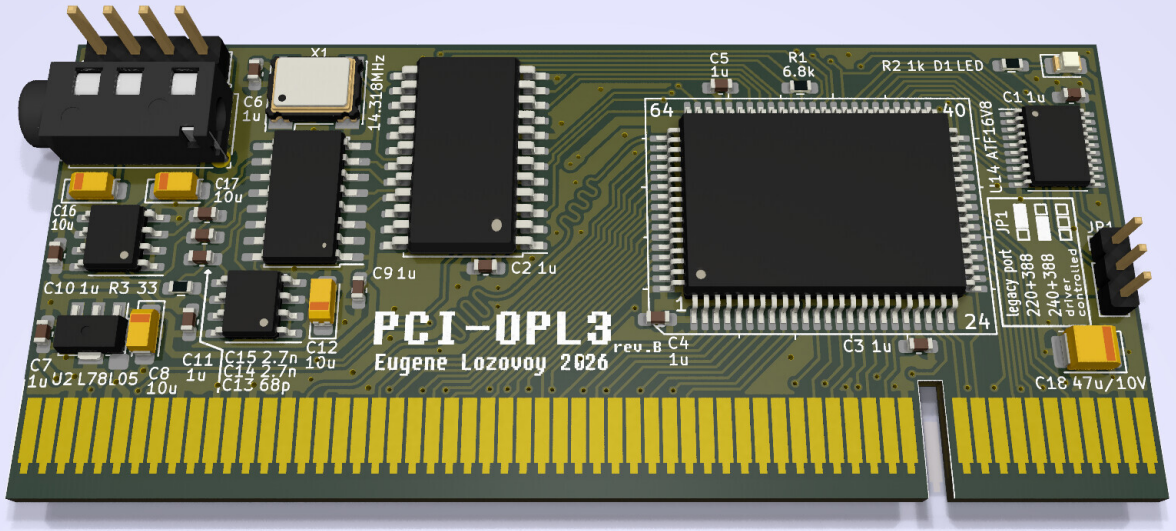
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File: pci-opl3.kicad_pcb

Title: PCI-OPL3

Size: A4	Date: 2026-10-15	**Rev: B**
KiCad E.D.A. 8.0.9		Id: 1/1

Bill Of Materials

References	Value	Footprint	Qty
C1 C2 C3 C4 C5 C6 C7 C9 C10 C11	1u	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder	10
C8 C12 C16 C17	10u	Capacitor_Tantalum_SMD:CP_EIA-3216-18_Kemet-A_Pad1.58x1.35mm_HandSolder	4
C13	68p	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder	1
C14 C15	2.7n	Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder	2
C18	47u/10V	Capacitor_Tantalum_SMD:CP_EIA-3528-21_Kemet-B_Pad1.50x2.35mm_HandSolder	1
D1	LED	LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
J2	Conn_01x04	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	1
J3	PJ-320A	my:PJ-320A	1
JP1	Jumper_3_Open	Connector_PinHeader_2.00mm:PinHeader_1x03_P2.00mm_Vertical	1
R1	6.8k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	1
R2	1k	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	1
R3	33	Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder	1
U1	CH365P	my:PQFP-80_14x20mm_P0.8mm_AKL	1
U2	L78L05	Package_TO_SOT_SMD:SOT-89-3	1
U3	YMF262-M	my:SOP-24_8.4x15.4mm_P1.27mm	1
U4 U7	LM358D	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	2
U5	YAC512	Package_SO:SO-16_5.3x10.2mm_P1.27mm	1
U14	ATF16V8BQL-15XU	Package_SO:TSSOP-20_4.4x6.5mm_P0.65mm	1
X1	14.318MHz	my:Oscillator_SMD_7050_7.0x5.0mm_5032_5.0x3.2mm	1


PCI-OPL3
rev.B
Eugene Lozovoy 2026
X1
14.318MHz
C6 1u
C17 10u
C16 10u
C10 1u
R3 33
C7 1u
U2 L78L05
C8 10u
C11 1u
C15 2.7n
C14 2.7n
C13 68p
C12 10u
C9 1u
C2 1u
C5 1u
R1 6.8k
R2 1k
D1 LED
C1 1u
64
40
1
24
U14 ATF16V8
JP1
legacy port
220+388
240+388
driver controlled
C4 1u
C3 1u
C18 47u/10V

