

LED-Pinball-Display 20002

Dot-Matrix-Display 128x32

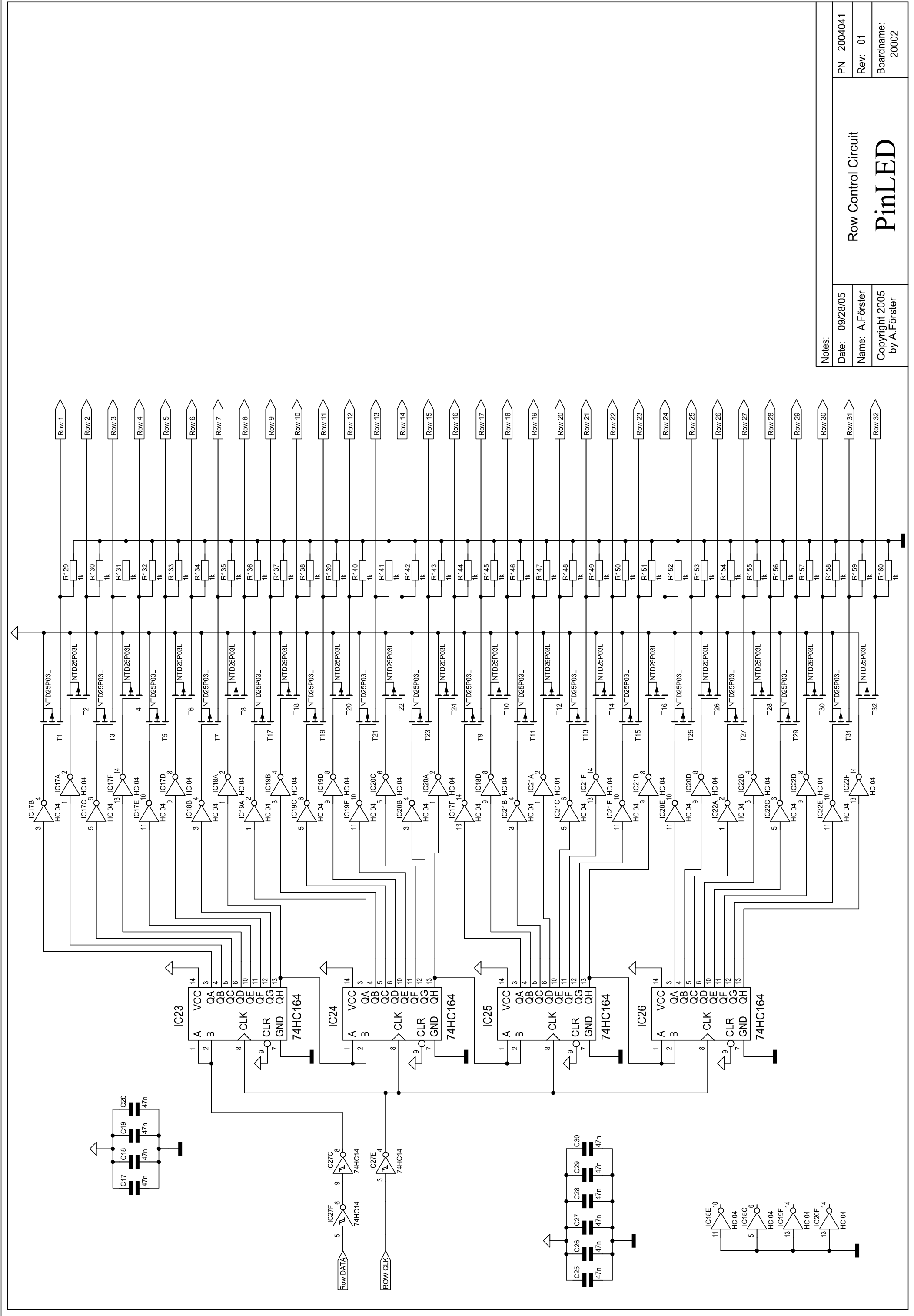
Board Part Number / Platinenbauteilenummer 2004041 Rev.G

Schematics / Schaltpläne

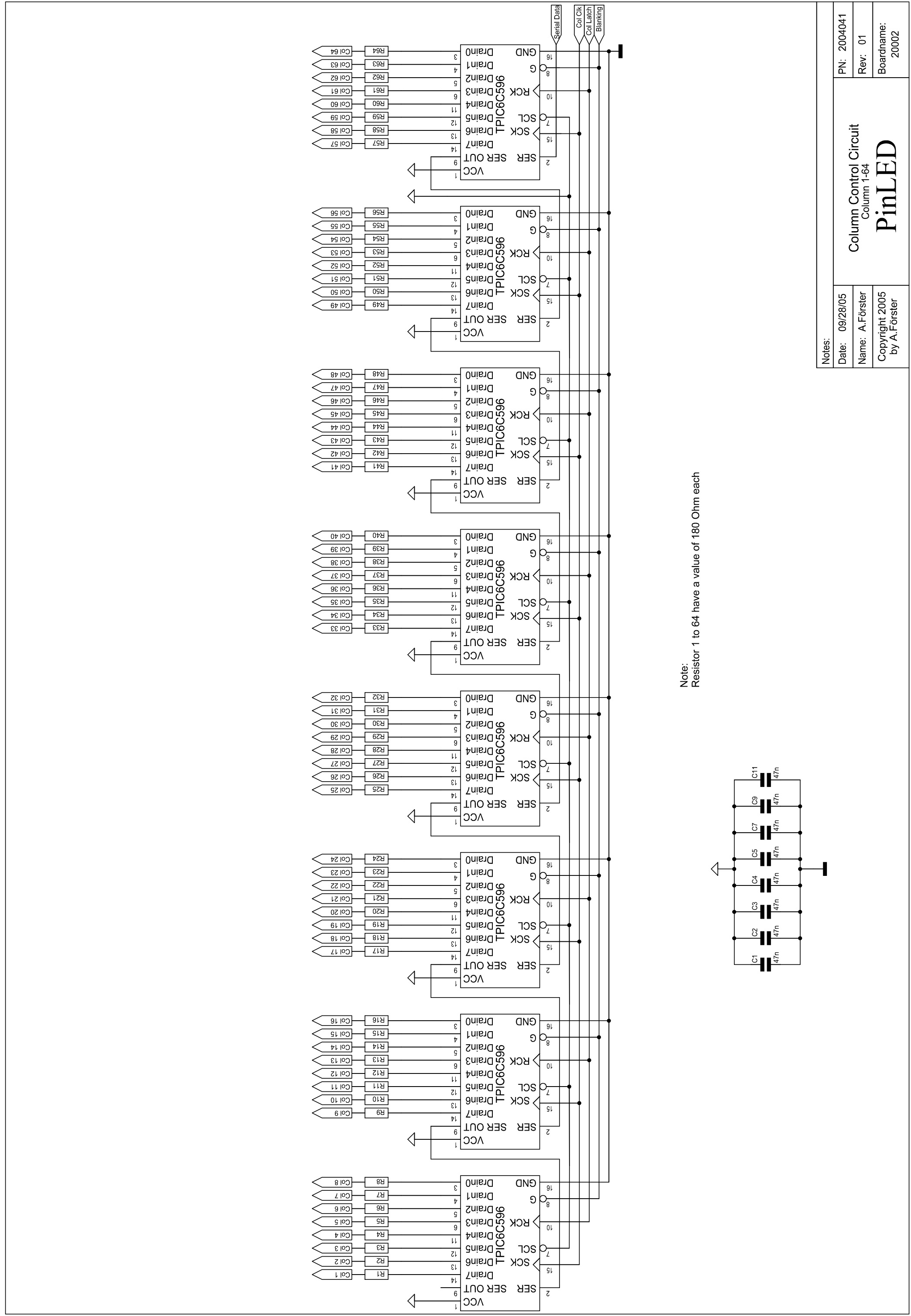
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Contents - Inhalt

Page 3 / Seite 3.....	Row Control Circuit / Reihenkontrollkreis
Page 4 / Seite 4.....	Column Control Circuit 1-64/ Spaltenkontrollkreis 1-64
Page 5 / Seite 5.....	Column Control Circuit 65-128/ Spaltenkontrollkreis 65-128
Page 6 / Seite 6.....	LED-Dot-Matrix-Display-Unit / LED-Dot-Matrix-Display-Einheit
Page 7 / Seite 7	Power Supply and Connectors / Spannungsversorgung und Steckerleisten
Page 8 / Seite 8.....	Parts Location Frontside / Bestückungsplan Vorderseite
Page 9 / Seite 9.....	Parts Location Backside / Bestückungsplan Rückseite
Page 10 / Seite 10.....	Parts List / Bauteilliste

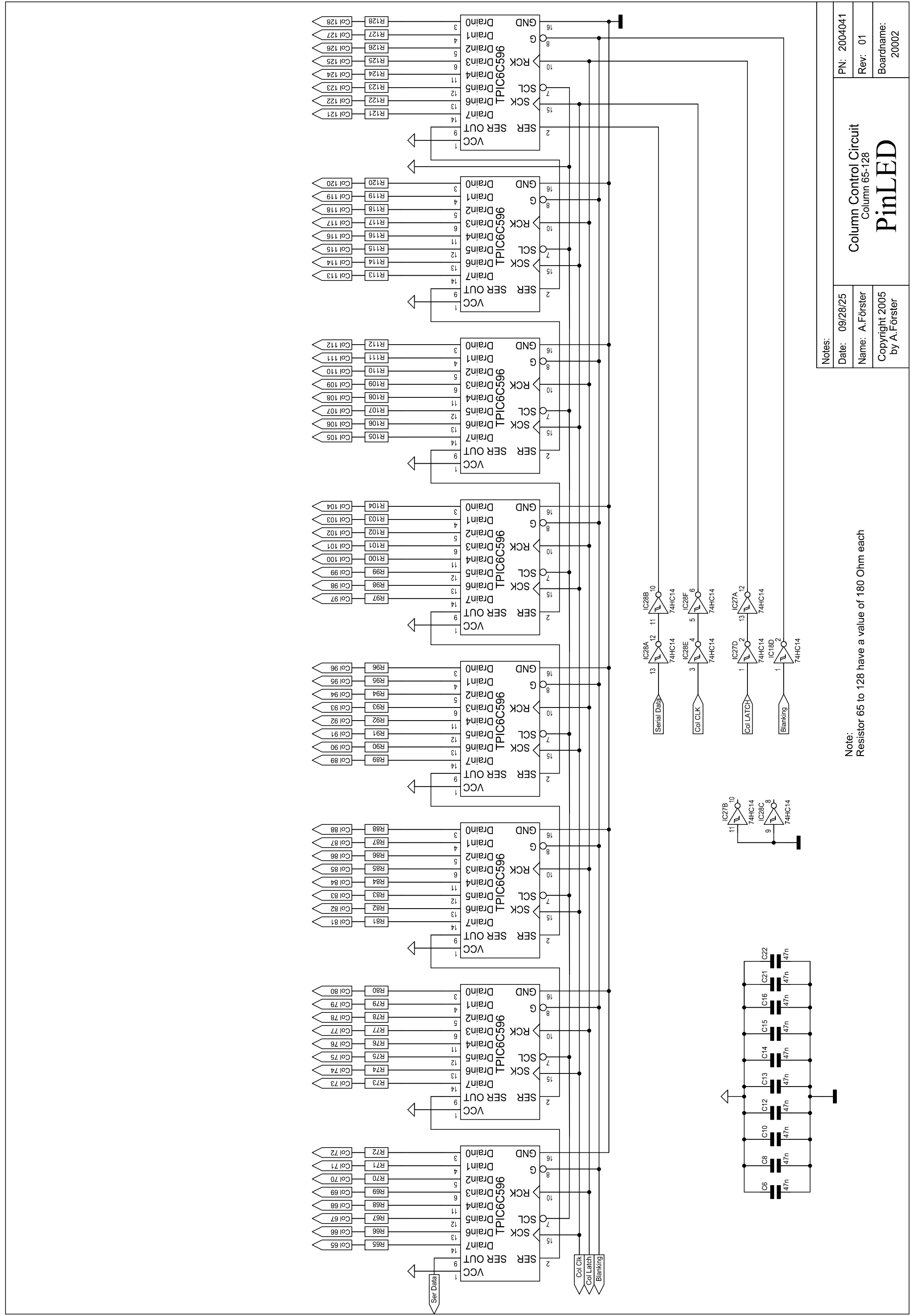


Notes:		Row Control Circuit	
		PinLED	
Date:	09/28/05	PN: 2004041	
Name:	A.Förster	Rev: 01	
Copyright 2005 by A.Förster		Boardname: 20002	



Note:
Resistor 1 to 64 have a value of 180 Ohm each

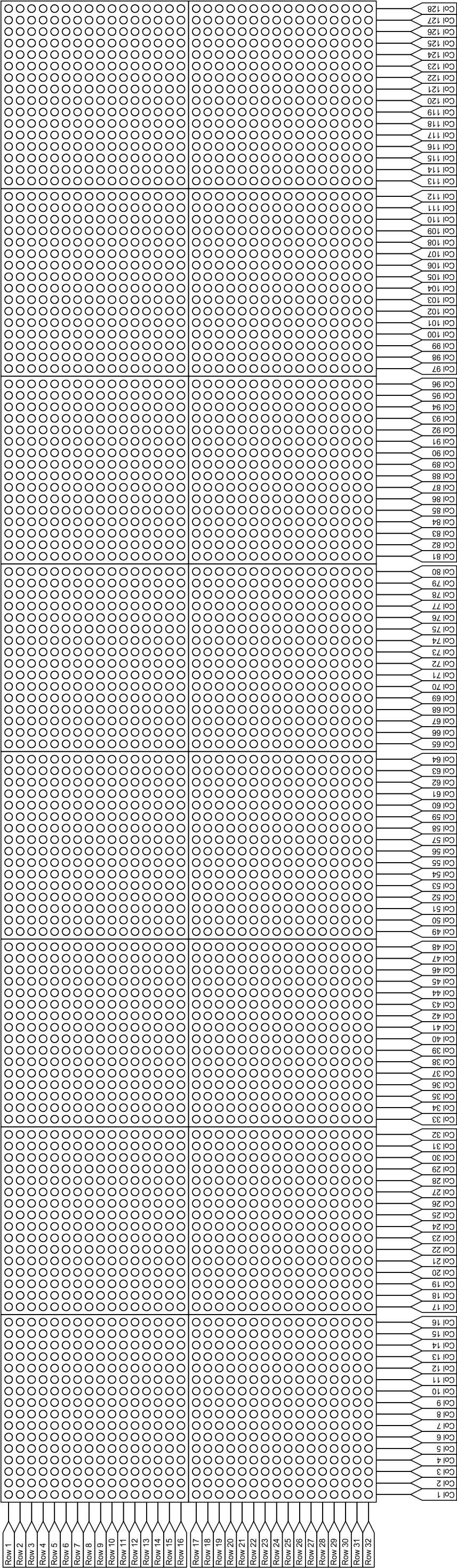
Notes:		Column Control Circuit Column 1-64 PinLED	
Date:	09/28/05	PN:	2004041
Name:	A.Förster	Rev:	01
Copyright 2005 by A.Förster		Boardname: 20002	



Notes:		Column Control Circuit Column 65-128	
Date:	09/28/25	Name:	A.Förster
PN:	2004041	Rev:	01
		Boardname: 20002	

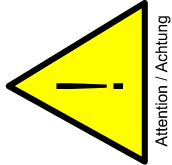
Note:
Resistor 65 to 128 have a value of 180 Ohm each

PinLED



Notes:		LED-Dot-Matrix-Display-Unit	
Date:	09/29/05	PN: 2004041	
Name:	A.Förster	Rev: 01	
Copyright 2005 by A.Förster		Boardname: 20002	

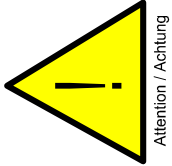
PinLED



Attention / Achtung

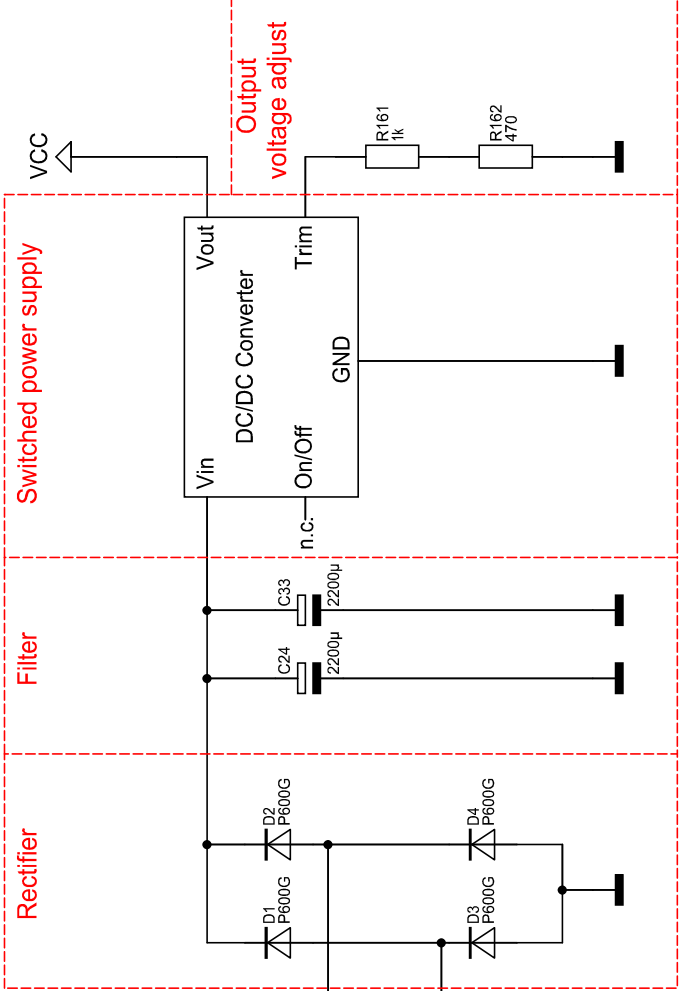
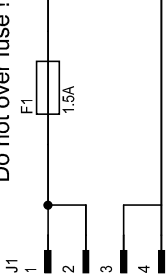
Input voltage:
9-12VAC or 12-14VDC

Eingangsspannung:
9-12VAC oder 12-14VDC



Attention / Achtung

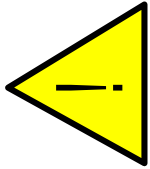
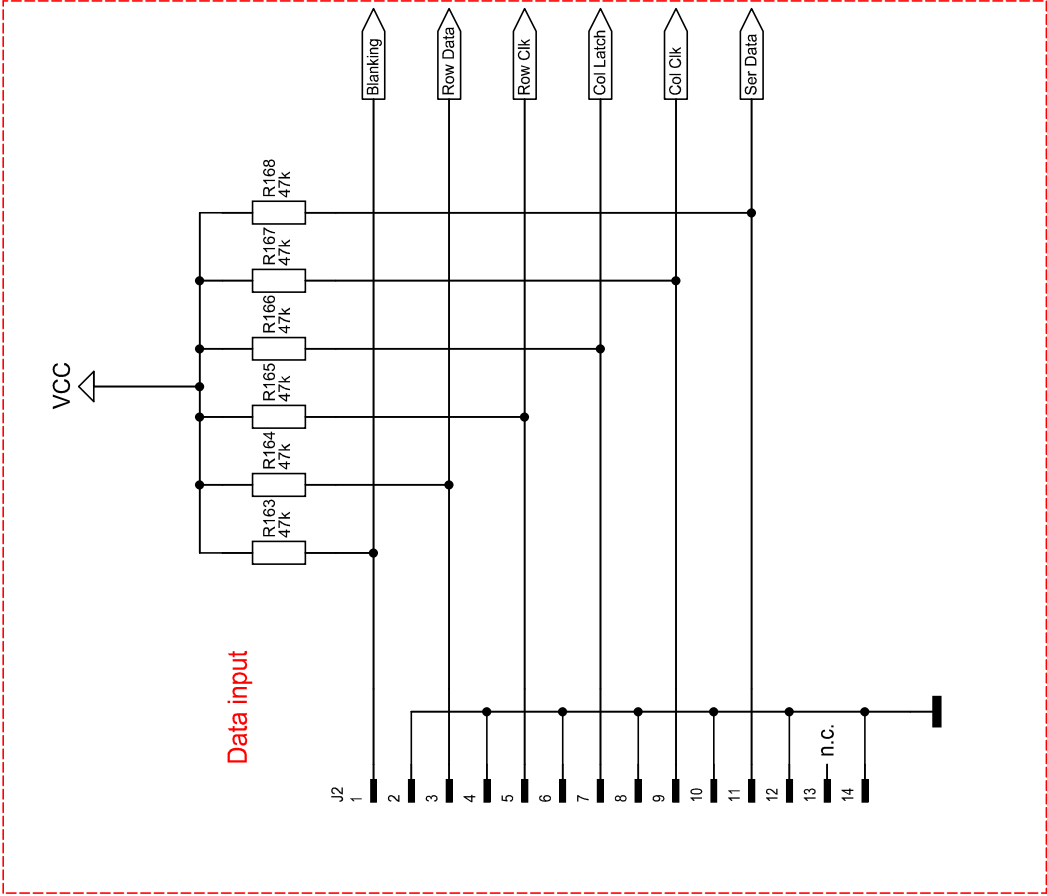
Do not over fuse !



VCC



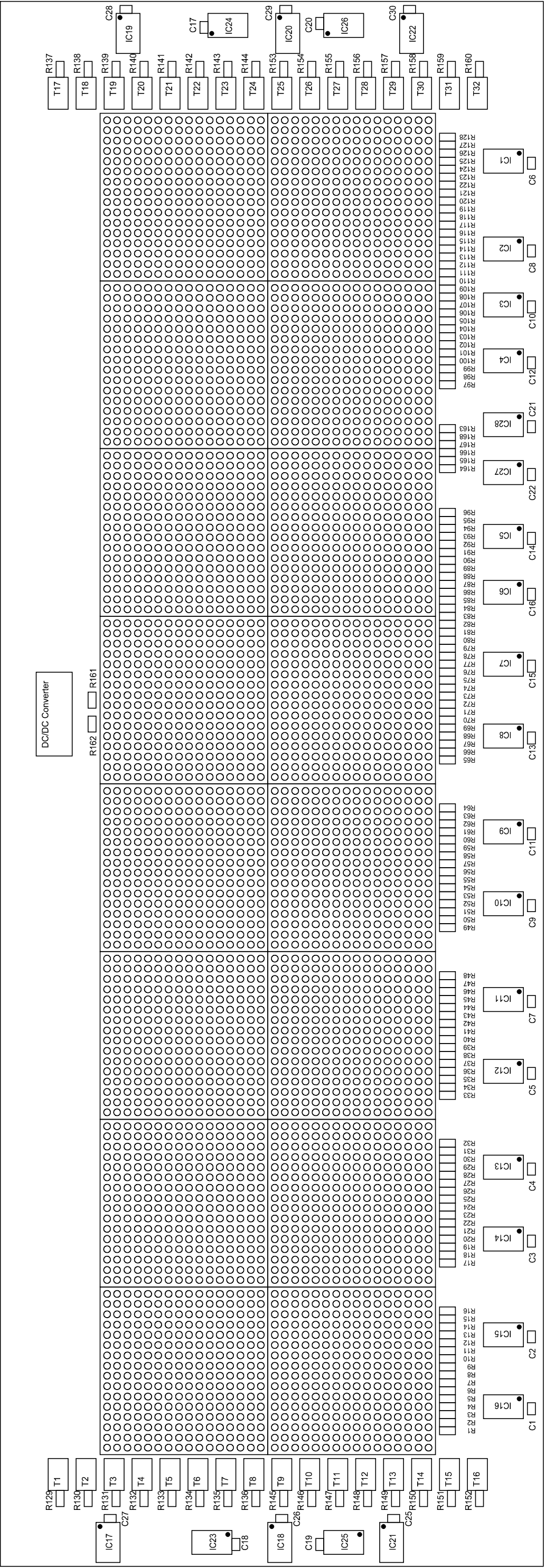
Data input



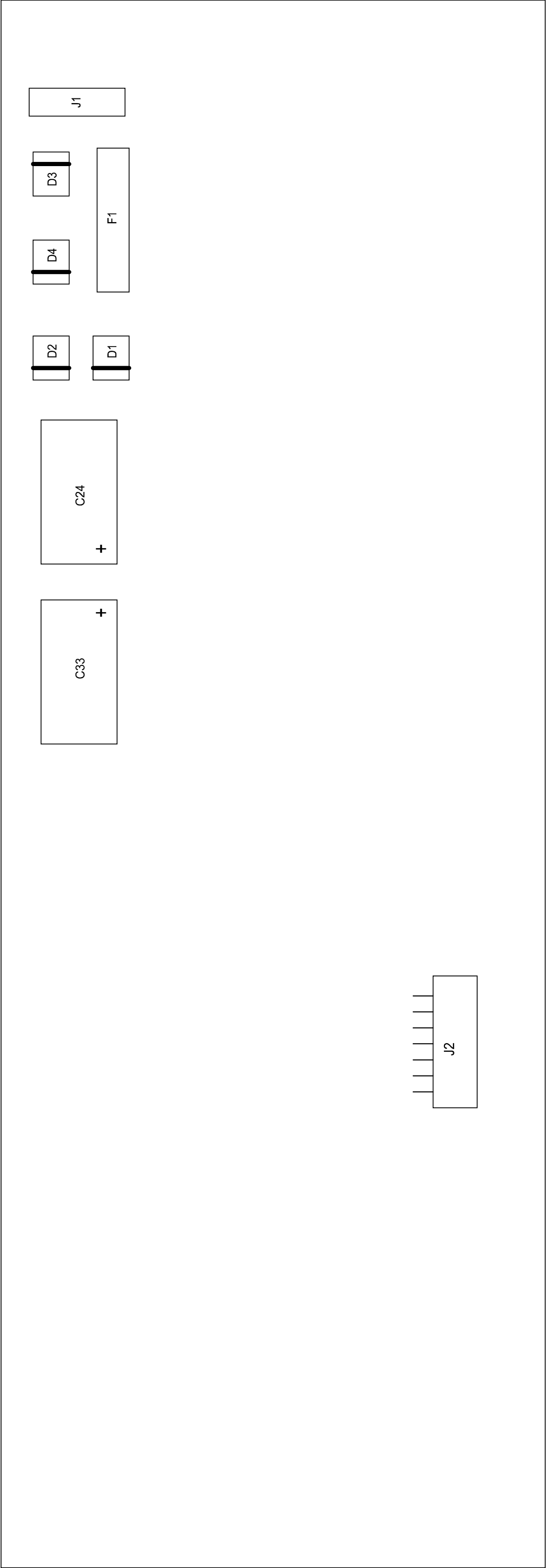
Attention / Achtung

C24, C33 have to be Low ESR types !

Notes:		Power Supply and Connectors <
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Notes:		Parts Location / Bestückungsplan Frontside / Vorderseite		PN: 2004041
Date: 09/29/05	Name: A.Förster		PinLED	Rev: 02
Copyright 2005 by A.Förster		Boardname: 20002		



Notes:		PN: 2004041	
Date:	09/29/05	Parts Location / Bestückungsplan	
Name:	A.Förster	Backside / Rückseite	
Copyright 2005 by A.Förster		Rev: 01	
		Boardname: 20002	

PinLED

Parts List / Bauteilliste

C1 to C22.....47n.....0805
C24.....2200µ/16V Low ESR 105°C
C25 to C30.....47n.....0805
C33.....2200µ/16V Low ESR 105°C
D1 to D4.....P600G
DOT LED 1 to 16.....PinLED 16x16
F1.....1.5A S.B.....6x32mm
IC1 to IC16.....TPIC6C596
IC17 to IC22.....74HC04
IC23 to IC26.....74HC164
IC27, IC28.....74HC14
J1.....4 pol Connector.....90° 3.96mm
J2.....2x7 pol Wannenstecker...90° 2.54mm
R1 to R128.....180R.....1206
R129 to R161.....1k.....1206
R162.....470R.....1206
R163 to R164.....47k.....1206
T1 to T32.....NTD25P03L.....DPAK
DC/DC Converter

Notes:		Parts List / Bestückunsliste		PN: 2004041
Date:	09/29/05	PinLED		Rev: 01
Name:	A.Förster			Boardname: 20002
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