

WPC-95 Power/Driver Board 10034

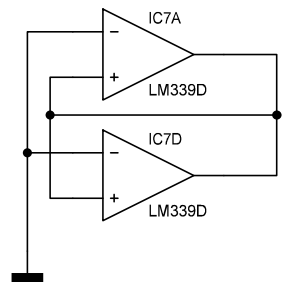
Board Part Number / Platinenbauteilenummer 2005025 Rev.C, F

Schematics / Schaltpläne

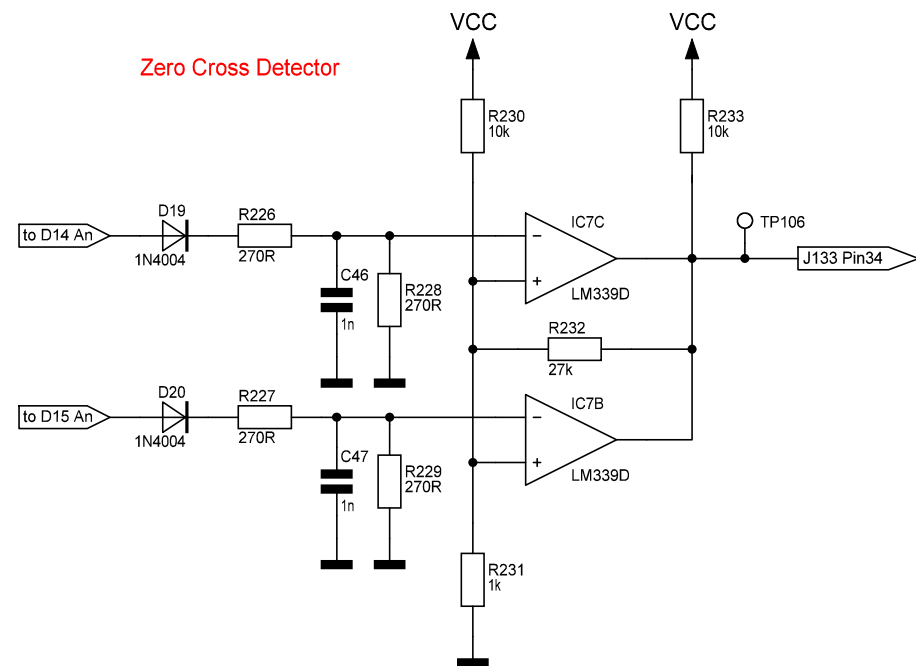
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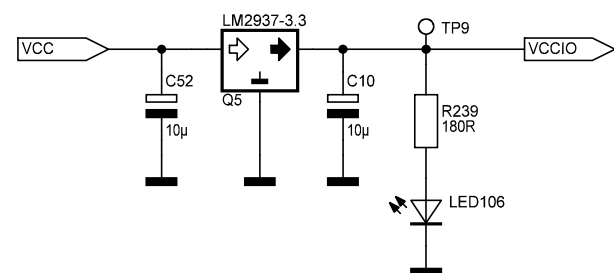
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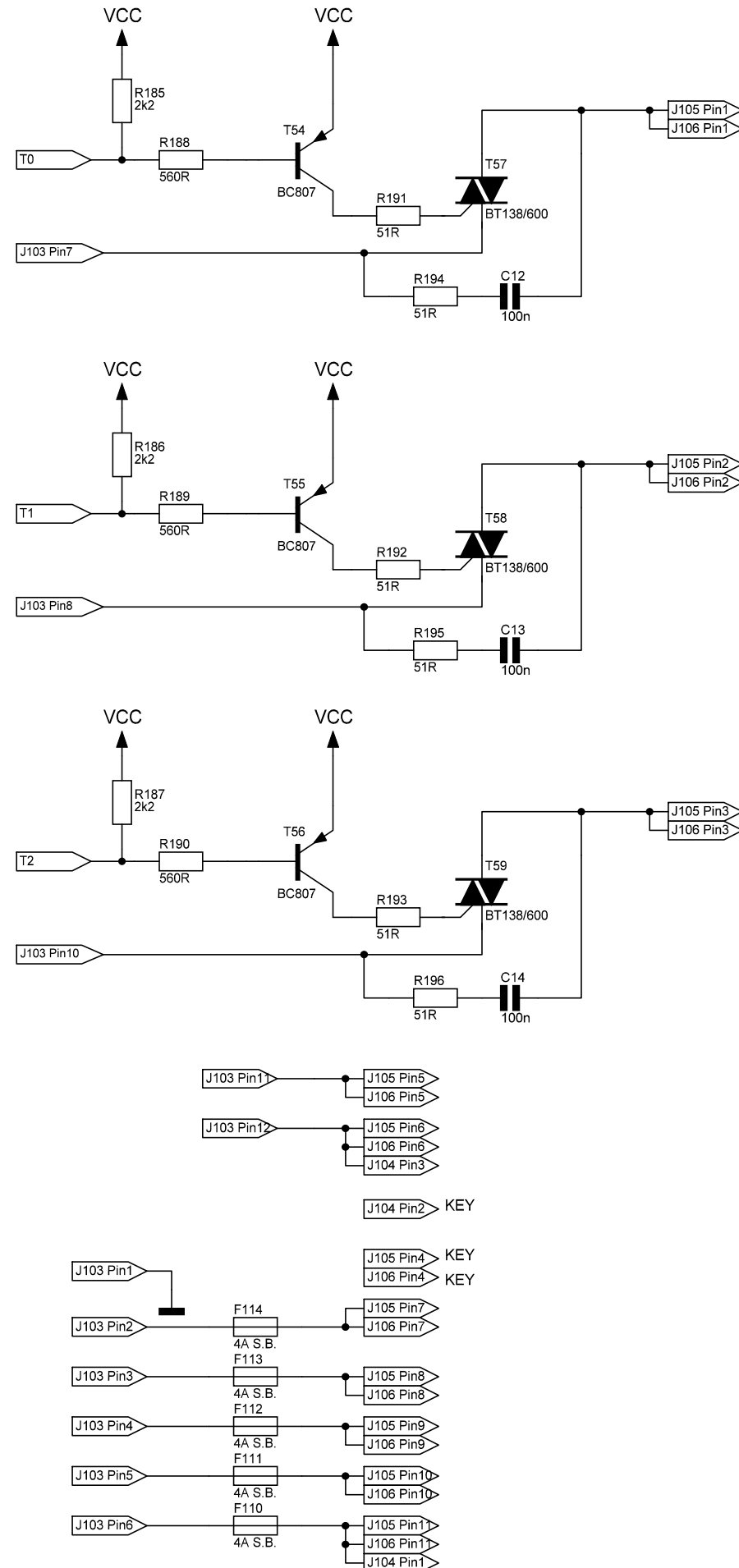
Zero Cross Detector



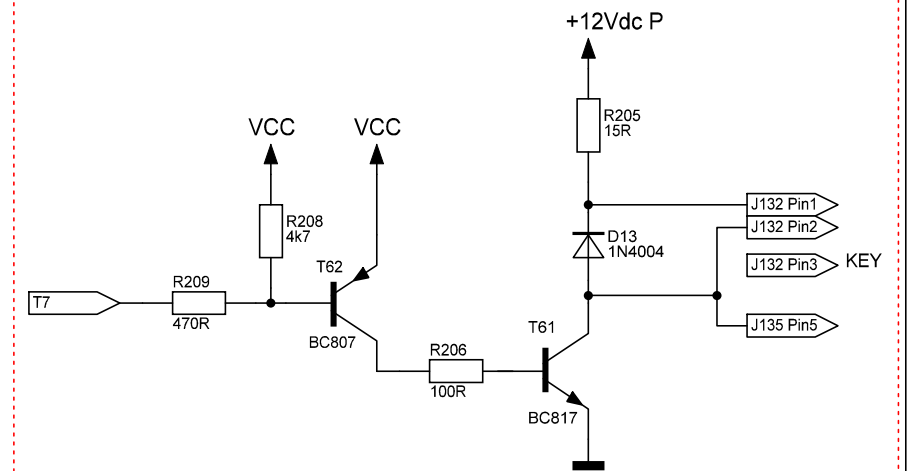
+3.3Vdc Power Supply



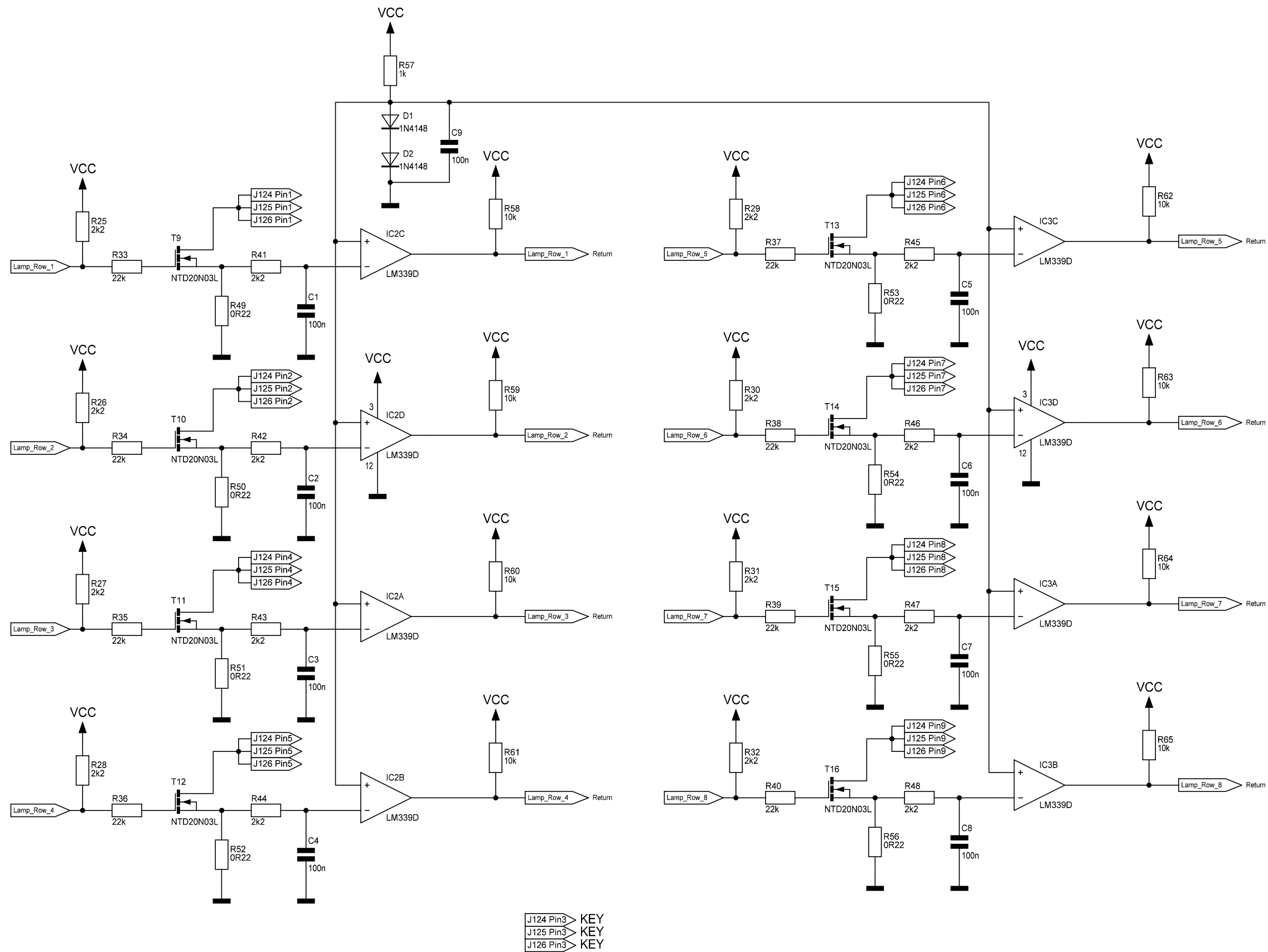
Gen. Illumination



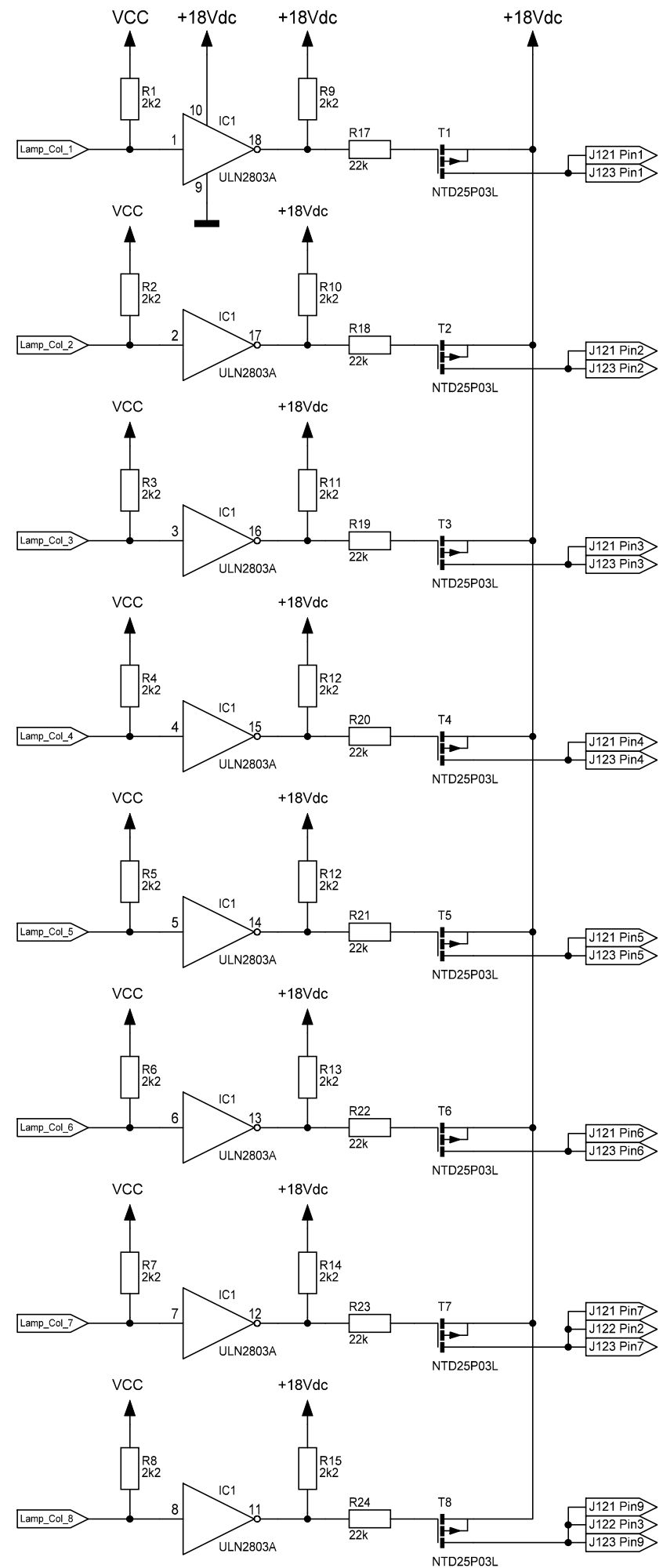
Coin Counter



Notes:		
Date: 02/11/06	Gen. Illumination, Zero Cross Detector	PN: 2005025
Name: A.Foerster		Rev: C
Copyright 2005 by A.Förster	PinLED	Boardname: 10034

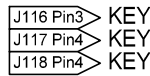
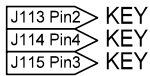


Notes:		
Date: 02/11/06	Lamp Rows PinLED	PN: 2005025
Name: A.Foerster		Rev: C
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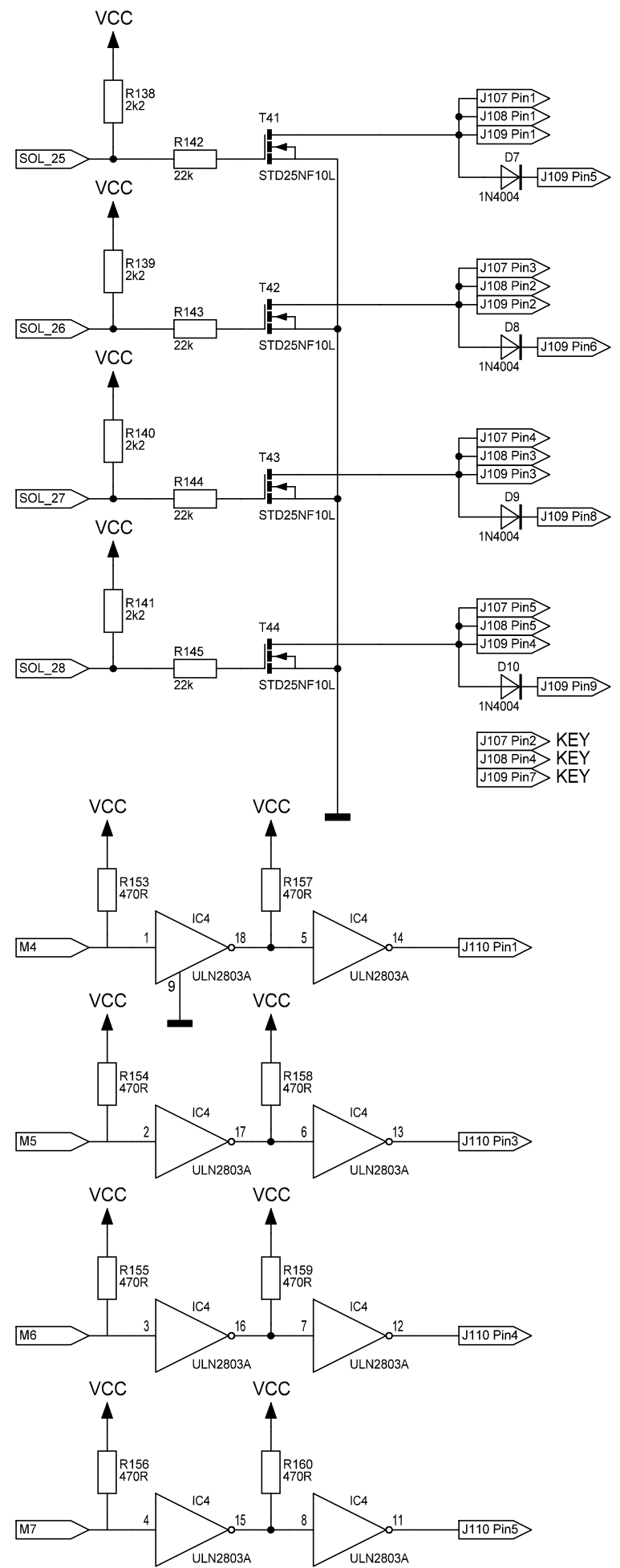


J121 Pin8 KEY
J122 Pin1 KEY
J123 Pin8 KEY

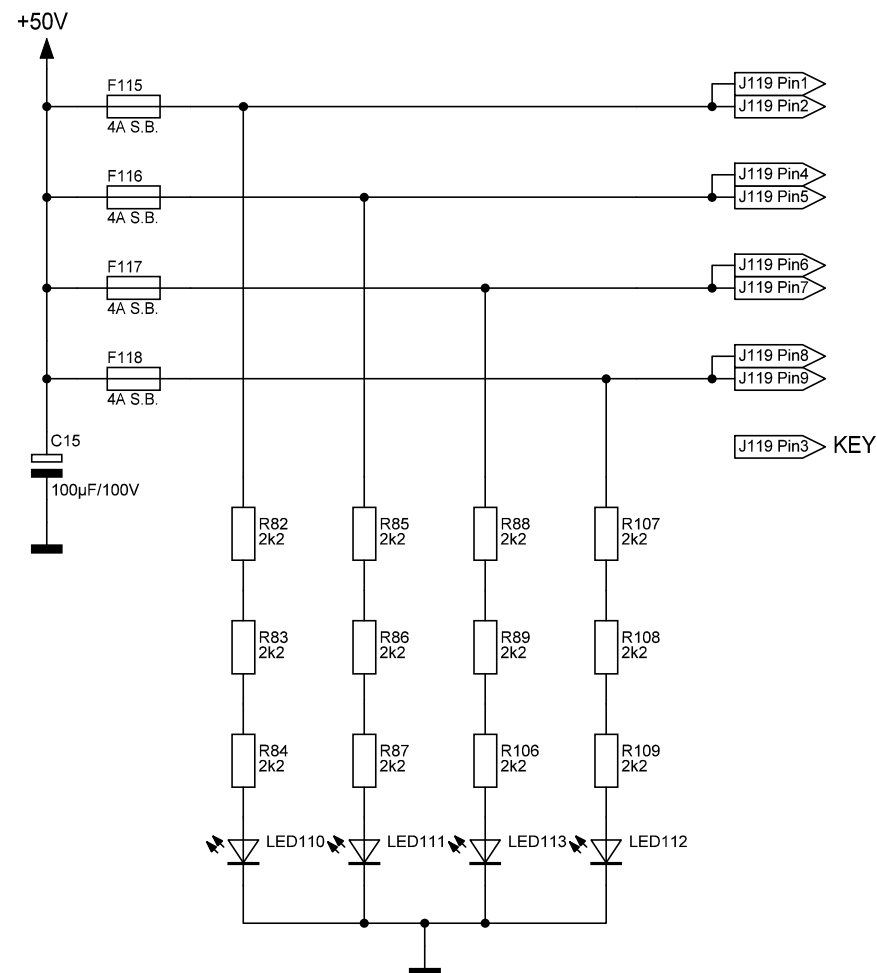
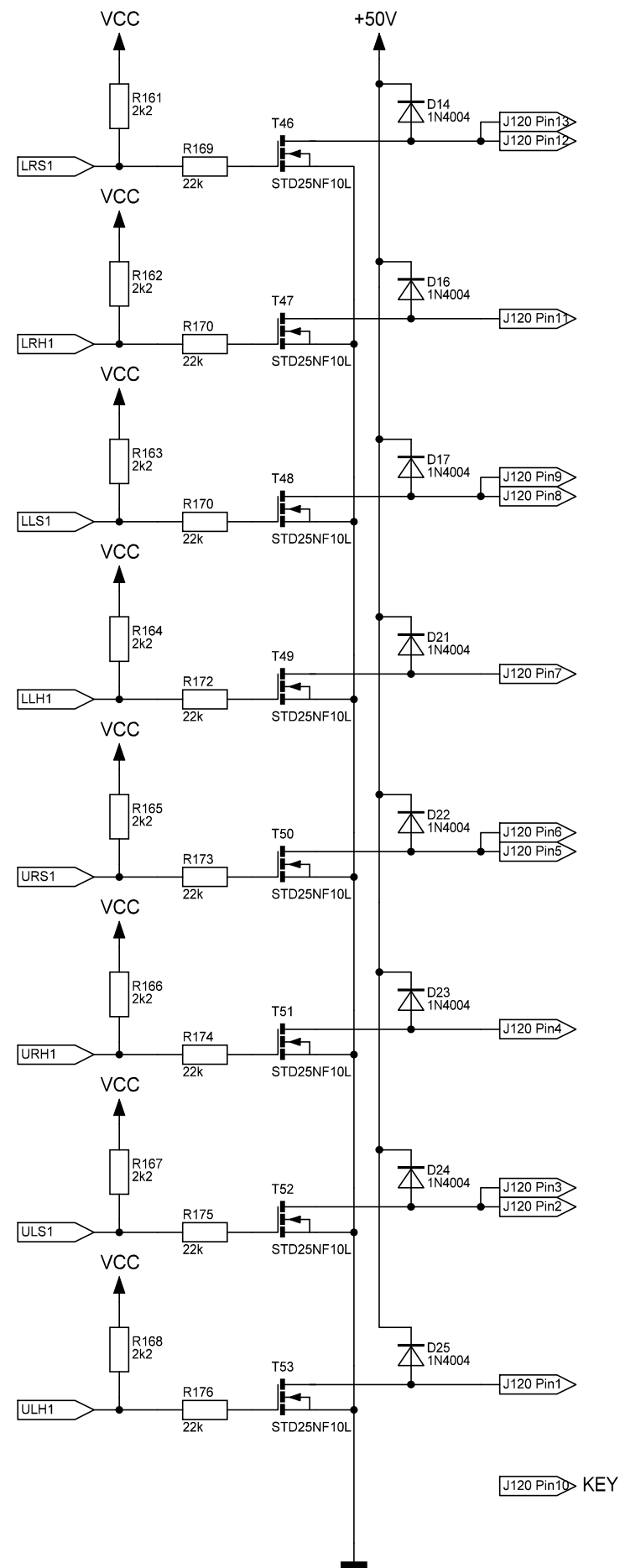
Notes:		
Date: 02/11/06	Lamp Columns PinLED	PN: 2005025
Name: A.Foerster		Rev: C
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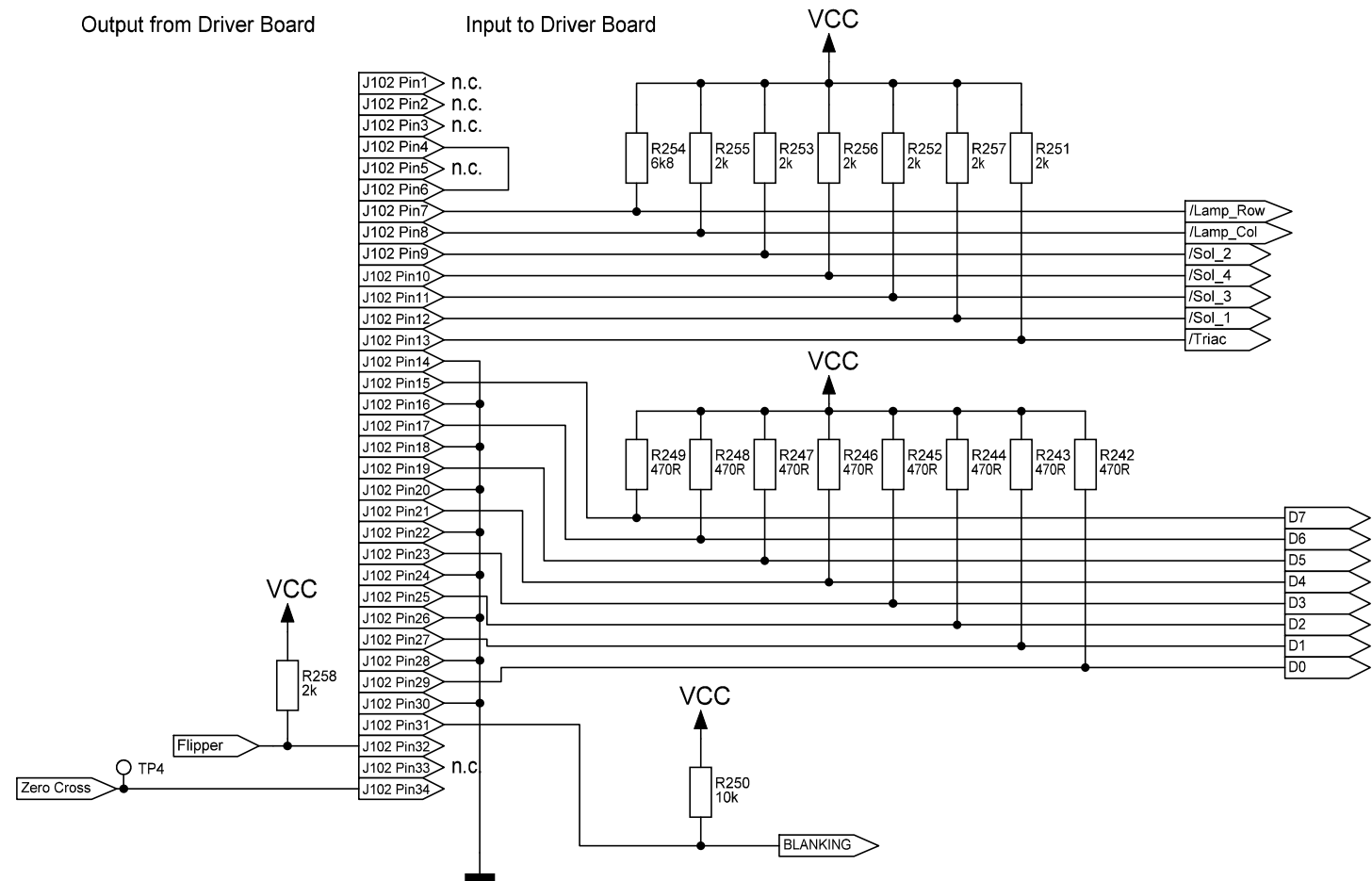
Notes:		
Date: 02/11/06	Solenoids 1-16	PN: 2005025
Name: A.Foerster		Rev: C
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Notes:		
Date: 02/11/06	Solenoids 17-28	PN: 2005025
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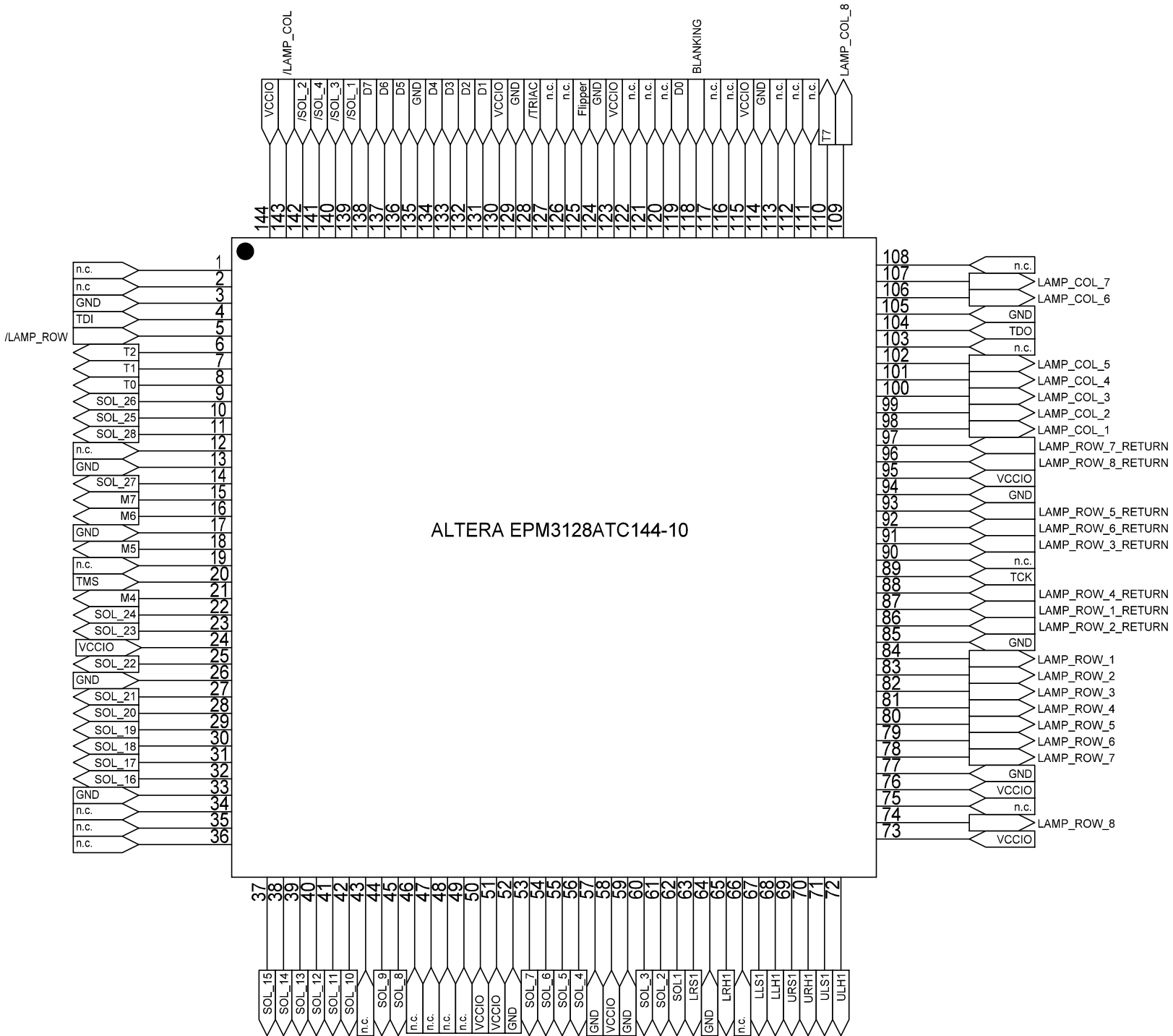
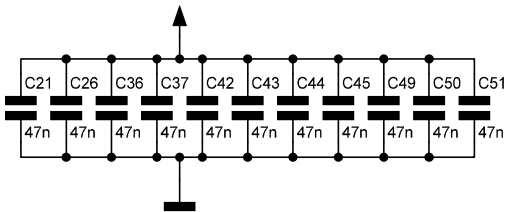
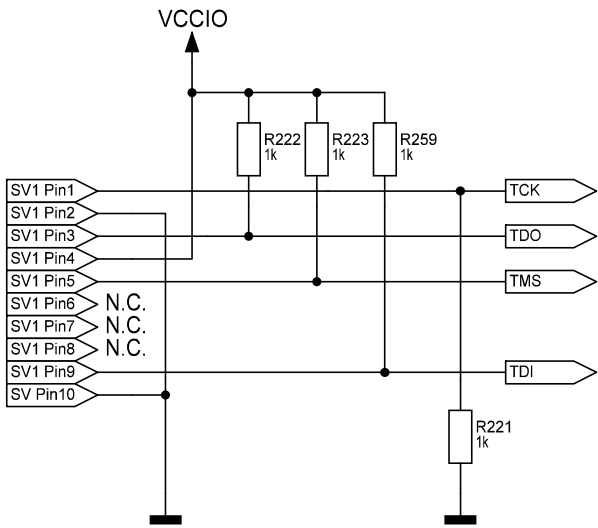


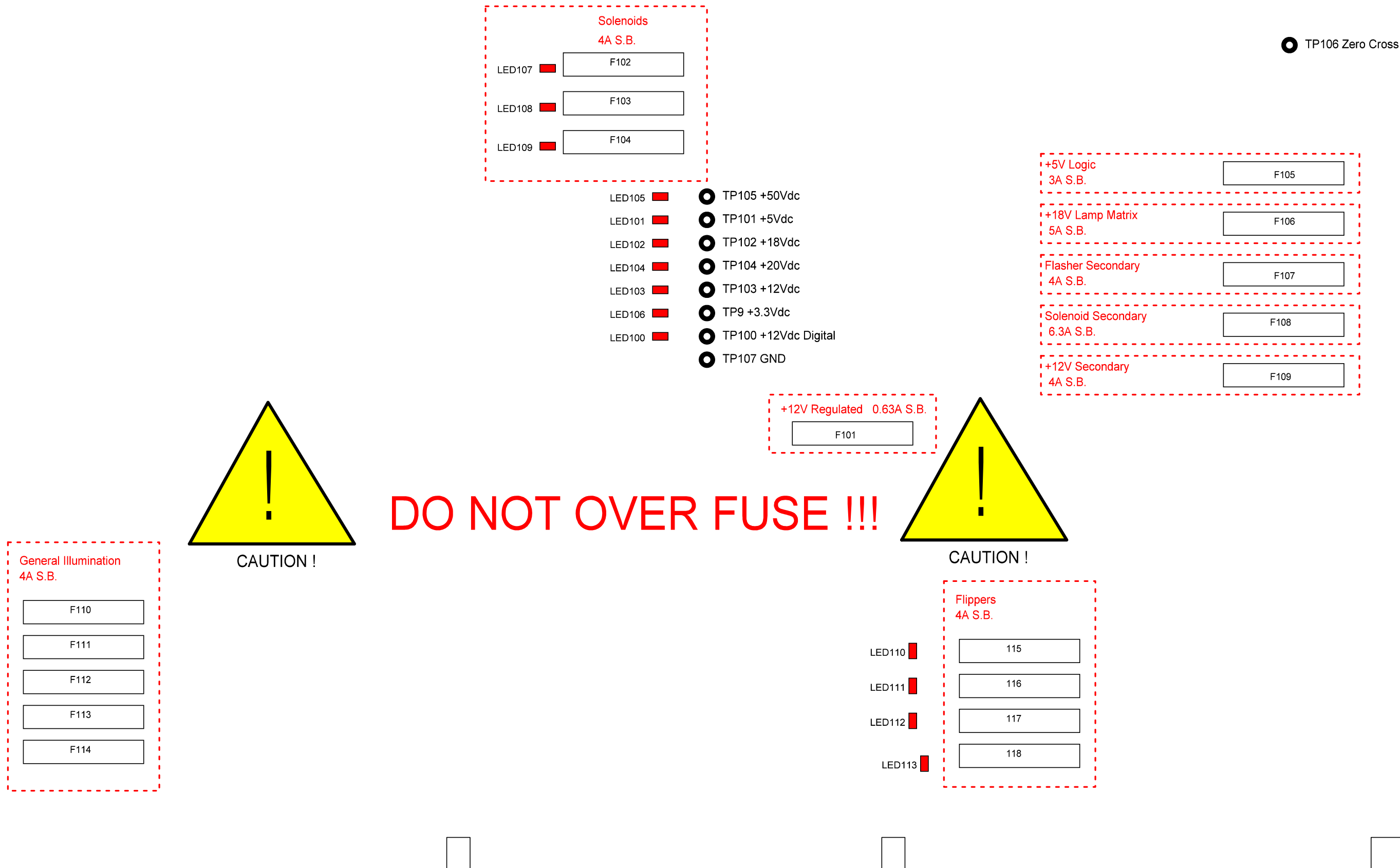
Notes:		
Date: 02/11/06	Flipper Circuit PinLED	PN: 2005025
Name: A.Foerster		Rev: C
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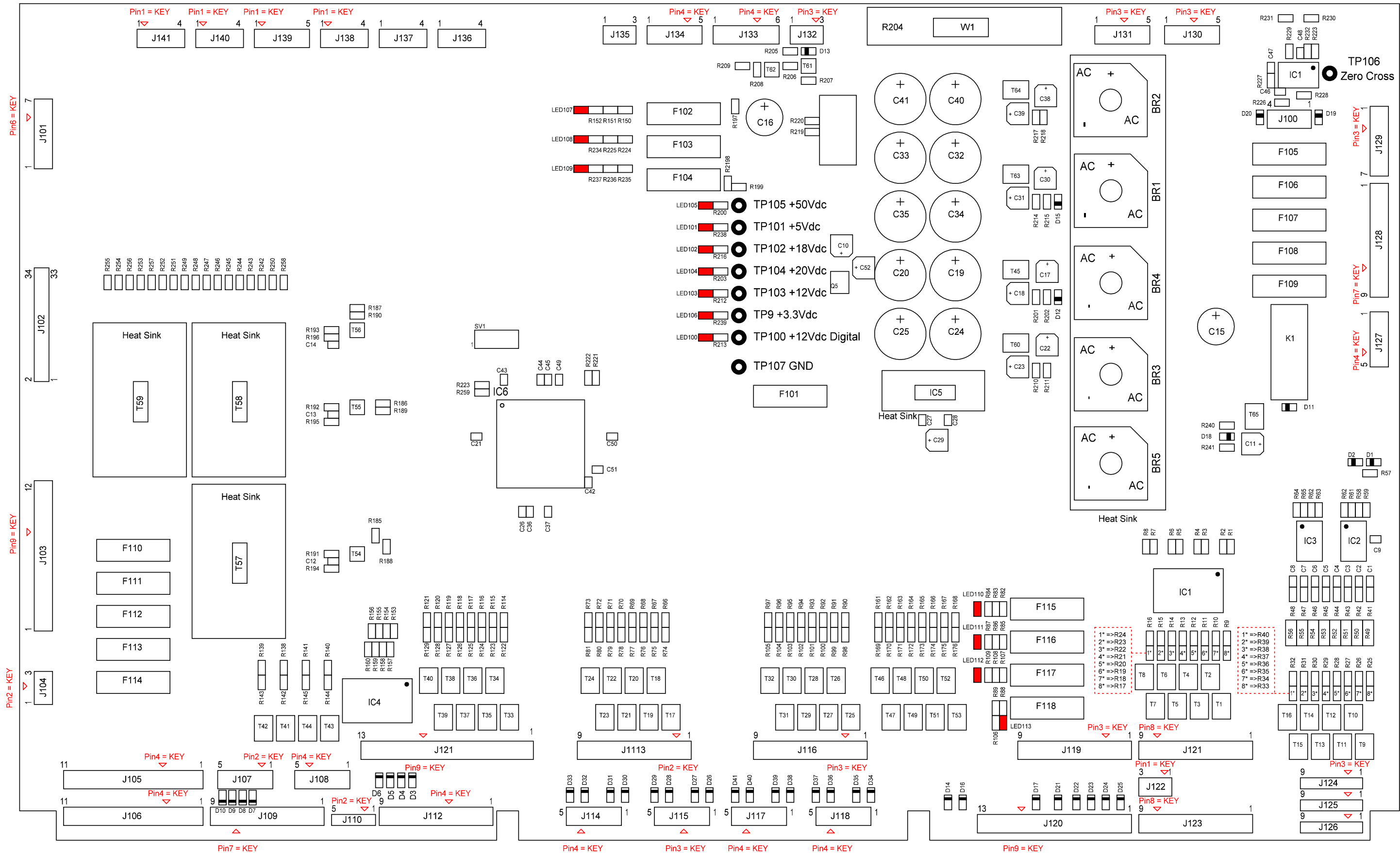
Notes:		
Date: 02/11/06	Digital I/O Ports PinLED	PN: 2005025
Name: A.Foerster		Rev: C
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ALTERA Programm Socket

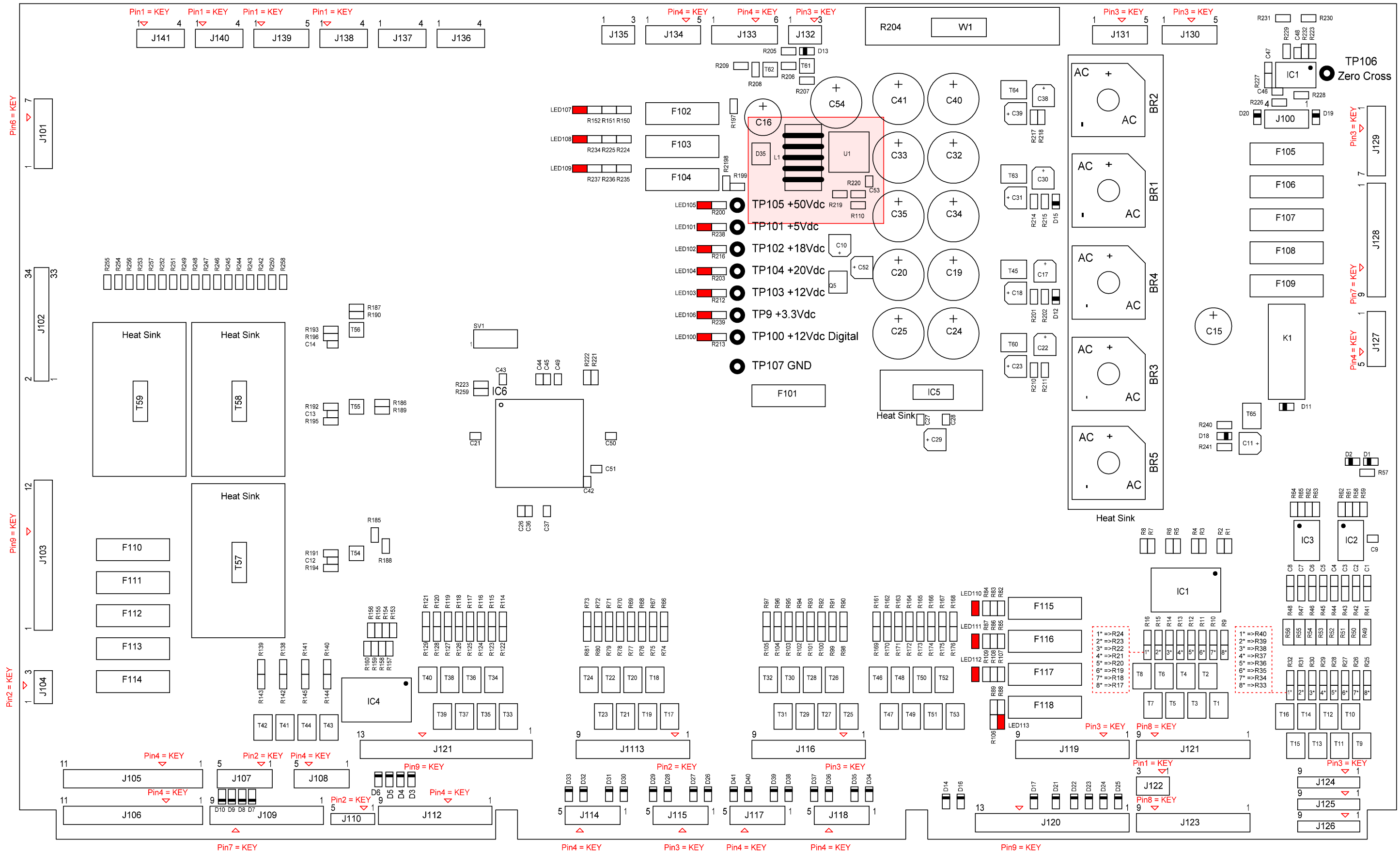




Notes:		
Date: 04/16/06	Fuse Overview PinLED	PN: 2005025
Name: A.Foerster		Rev: C
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Notes:		Parts / Bauteile	PN: 2005025
Date:	02/11/06		Rev: C
Name:	A.Foerster		Boardname: 10034
Copyright 2005 by A.Förster		PinLED	



Notes:		
Date: 23/10/27	Parts / Bauteile <	

Parts List / Bauteilliste

BR1, BR2, BR3, BR4, BR5.....	KBPC3504
C1, C2, C3, C4, C5, C6, C7, C8, C9.....	100nF.....0805
C10.....	10µF/16V.....SMD
C11.....	100µF/25V.....SMD
C12, C13, C14.....	100nF.....SMD
C15, C16.....	100µF/100V.....
C17, C18.....	100µF/25V.....SMD
C19, C20.....	4700µF/25V.....
C21.....	47nF.....0805
C22,C23.....	100µF/25V.....SMD
C24, C25.....	4700µF/25V.....
C26.....	47nF.....SMD
C27, C28.....	100nF.....SMD
C29, C30, C31.....	100µF/25V.....SMD
C32, C33, C34, C35.....	4700µF/25V.....
C36, C37.....	47nF.....0805
C38, C39.....	100µF/25V.....SMD
C40, C41.....	4700µF/25V.....
C42, C43, C44, C45.....	47nF.....0805
C46, C47.....	1nF.....0805
C48.....	100nF.....SMD
C49, C50, C51.....	47nF.....0805
C52.....	10µF/16V.....SMD
C53.....	100nF.....0805
C54.....	4700µF/25V.....

D1, D2.....	1N4148.....	SOD80C
D3, D4, D5, D6, D7, D8, D9, D10, D11.....	1N4004.....	SOD106W
D12.....	10V.....	SOD80C
D13, D14.....	1N4004.....	SOD106W
D15.....	10V.....	SOD80C
D16, D17.....	1N4004.....	SOD106W
D18.....	1N4148.....	SOD80C
D19, D20, D21, D22, D23, D24, D25, D26.....	1N4004.....	SOD106W
D27, D28, D29, D30, D31, D32, D33, D34.....	1N4004.....	SOD106W
D35, D36, D37, D38, D39, D40, D41.....	1N4004.....	SOD106W
D42.....	UPS540E3.....	

F101.....	0.63A, S.B.....	5x20mm
F102, F103, F104.....	4A, S.B.....	5x20mm
F105.....	3A, S.B.....	5x20mm
F106.....	5A, S.B.....	5x20mm
F107.....	4A, S.B.....	5x20mm
F108.....	6.3A, S.B.....	5x20mm
F109, F110, F111, F112, F113.....	3A, S.B.....	5x20mm
F114, F115, F116, F117, F118.....	3A, S.B.....	5x20mm

IC1.....	ULN2803A.....	SO18
IC2, IC3.....	LM339D.....	SO14
IC4.....	ULN2803A.....	SO18
IC5.....	LM2940CT12.....	TO220
IC6.....	EPM3128ATC144-10.....	FPGA100
IC7.....	LM339D.....	SO14

J100.....	MLSS156-4.....	3.96mm
J101.....	MLSS156-7.....	3.96mm
J102.....	Header 2x17.....	2.54mm
J103.....	MLSS156-12.....	3.96mm
J104.....	MLSS156-3.....	3.96mm
J105, J106.....	MLSS156-11.....	3.96mm
J107, J108.....	MLSS156-5.....	3.96mm
J109.....	MLSS156-9.....	3.96mm
J110.....	MLSS100-5.....	2.54mm
J111.....	MLSS156-13.....	3.96mm
J112, J113.....	MLSS156-9.....	3.96mm
J114, J115.....	MLSS156-5.....	3.96mm
J116.....	MLSS156-9.....	3.96mm

J117, J118.....	MLSS156-5.....	3.96mm
J119.....	MLSS156-9.....	3.96mm
J120.....	MLSS156-13.....	3.96mm
J121.....	MLSS156-9.....	3.96mm
J122.....	MLSS156-3.....	3.96mm
J123.....	MLSS156-9.....	3.96mm
J124, J125, J126.....	MLSS100-9.....	2.54mm
J127.....	MLSS156-5.....	3.96mm
J128.....	MLSS156-9.....	3.96mm
J129.....	MLSS156-7.....	3.96mm
J130, J131.....	MLSS156-5.....	3.96mm
J132.....	MLSS156-3.....	3.96mm
J133.....	MLSS156-6.....	3.96mm
J134.....	MLSS156-5.....	3.96mm
J135.....	MLSS156-3.....	3.96mm
J136, J137, J138.....	MLSS156-4.....	3.96mm
J139.....	MLSS156-5.....	3.96mm
J140, J141.....	MLSS156-4.....	3.96mm

K1.....	Finder Relais 40.52.9.....	12V
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LED100 to LED113.....	Red 20mA.....	1206
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L1.....	100µH.....	
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Q5.....	LM2937-3.3.....	SOT223
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R1 to R16.....	2k2.....	1206
R17 to R24.....	22k.....	1206
R25 to R32.....	2k2.....	1206
R33 to R40.....	22k.....	1206
R41 to R48.....	2k2.....	1206
R49 to R56.....	0R22 /1W.....	2512
R57.....	1k.....	1206
R58 to R65.....	10k.....	1206
R66 to R73.....	2k2.....	1206
R74 to R81.....	22k.....	1206
R82 to R97.....	2k2.....	1206
R98 to R105.....	22k.....	1206
R106 to R121.....	2k2.....	1206
R122 to R129.....	22k.....	1206
R138 to 141.....	2k2.....	1206
R142 to R145.....	22k.....	1206
R150 to 152.....	2k2.....	1206
R153 to R160.....	470R.....	1206
R161 to R168.....	2k2.....	1206
R169 to R176.....	22k.....	1206
R185 to R187.....	2k2.....	1206
R188 to R190.....	560R.....	1206
R191 to R196.....	51R.....	1206
R197.....	10k.....	1206
R198 to R200.....	2k2.....	1206
R201.....	1k.....	1206
R202.....	3k9.....	1206
R203.....	1k5.....	1206
R204.....	0R12/11W.....	KH216-8
R205.....	15R.....	1206
R206.....	100R.....	1206
R207.....	10k.....	1206
R208.....	4k7.....	1206
R209.....	470R.....	1206
R210.....	1k.....	1206
R211.....	3k9.....	1206
R212 to R214.....	1k.....	1206
R215.....	3k9.....	1206
R216.....	1k5.....	1206

R217.....	1k.....	1206
R218.....	3k9.....	1206
R219.....	1k.....	1206
R220.....	470R.....	1206
R221 to R223.....	1k.....	1206
R224, R225.....	2k2.....	1206
R226 to R229.....	270R.....	1206
R230.....	10k.....	1206
R231.....	1k.....	1206
R232.....	27k.....	1206
R233.....	10k.....	1206
R234 to R237.....	2k2.....	1206
R238.....	270R.....	1206
R239.....	180R.....	1206
R240.....	2k2.....	1206
R241.....	100k.....	1206
R242 to R249.....	470R.....	1206
R250.....	10k.....	1206
R251 to R253.....	2k.....	1206
R254.....	6k8.....	1206
R255 to R258.....	2k.....	1206
R259.....	1k.....	1206

SV1.....	Header 2x5.....	2.54mm
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T1, T2, T3, T4, T5, T6, T7, T8.....	NTD25P03L.....	DPAK
T9, T10, T11, T12, T13, T14, T15, T16.....	NTD20N03L.....	DPAK
T17, T18, T19, T20, T21, T22, T23, T24.....	STD25NF10L.....	DPAK
T25, T26, T27, T28, T29, T30, T31, T32.....	STD25NF10L.....	DPAK
T33, T34, T35, T36, T37, T38, T39, T40.....	STD25NF10L.....	DPAK
T41, T42, T43, T44.....	STD25NF10L.....	DPAK
T45.....	NTD25P03L.....	DPAK
T46, T47, T48, T49, T50, T51, T52, T53.....	STD25NF10L.....	DPAK
T54, T55, T56.....	BC807.....	SOT23
T57, T58, T59.....	BT138/600.....	TO220
T60.....	NTD25P03L.....	DPAK
T61.....	BC817.....	SOT23
T62.....	BC807.....	SOT23
T63, T64, T65.....	NTD25P03L.....	DPAK

TP9, TP100, TP101, TP102, TP103, TP104.....	Testpoints
TP105, TP106, TP107.....	Testpoints

U1.....	MC34167D2T
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W1.....	0R Jumper.....	wire
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Notes:		
Date: 04/16/06	Parts / Bauteile	PN: 2005025
Name: A.Foerster		Rev: C
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PinLED