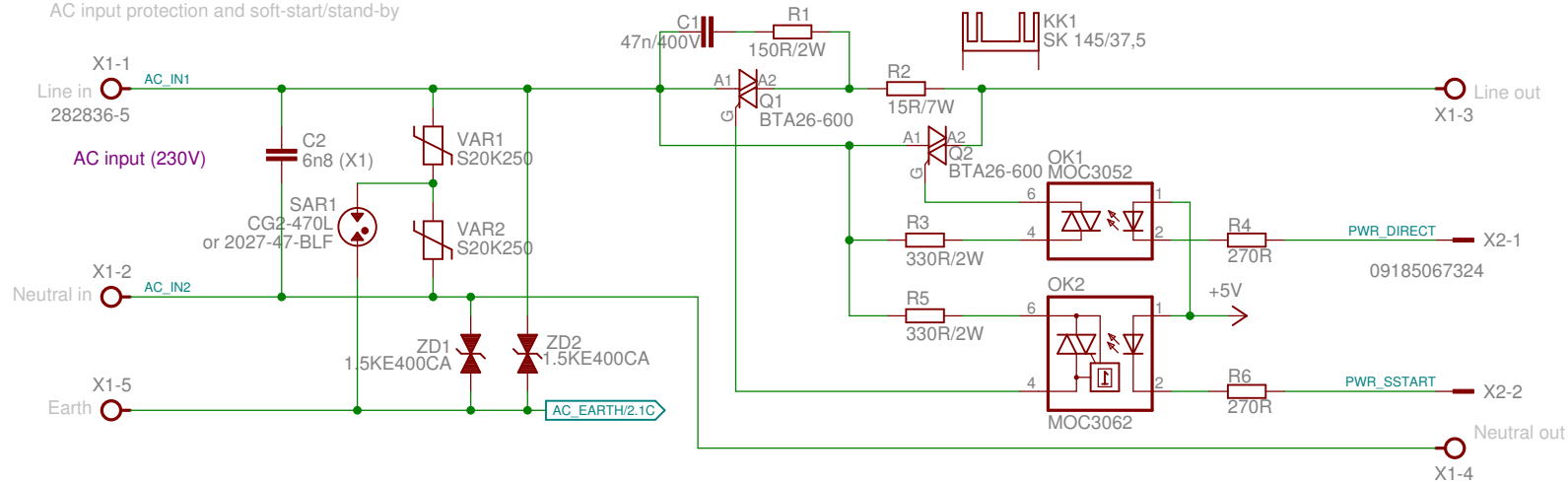


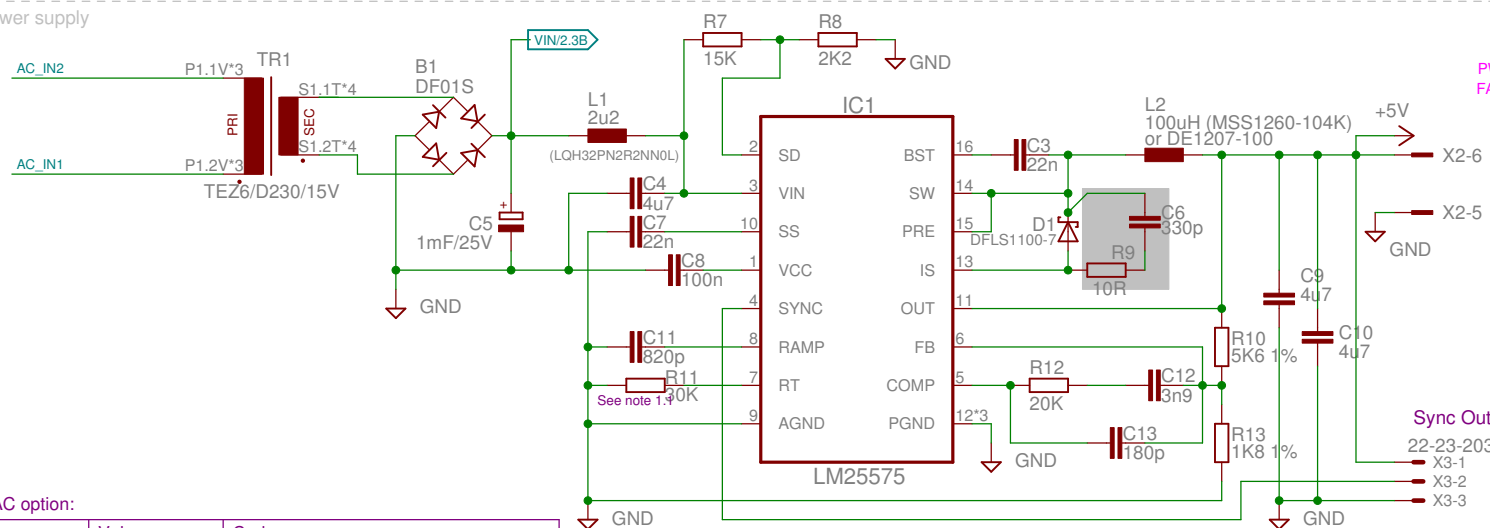
# AC input protection and soft-start/stand-by



## 5-pin power connector X1

Protective earth 1  
AC in1 2  
AC in2 3  
AC out1 4  
AC out2 5

# 5V power supply



## 6-pin IDC connector X2

PWR\_DIRECT (Input) 1  
FAN\_SENSE (Output) 3  
Gnd 5  
+5V (Output) 6

## 3-pin connector X3

Slave +5V 1  
Sync Out 2  
Slave Gnd 3

## 115VAC option:

Name	Value	Code
SAR1	2027-23-BLF	Farnell: 1780455, TME: CG2-230L
TR1	VPP28-180	Digikey: 237-1086-ND
		Mouser: 553-VPP28-180
		Newark: 37B9209
VAR1, VAR2	S20K140	Farnell: 1004387, TME: SIOV-S20K140
ZD1, ZD2	1.5KE200CA	Farnell: 1837117, TME: 1.5KE200CA

Note 1.1: replace with 33K or 36K (to decrease frequency) if sync with power board is required

AC input protection, in-rush current limiter  
+5V/1A power supply

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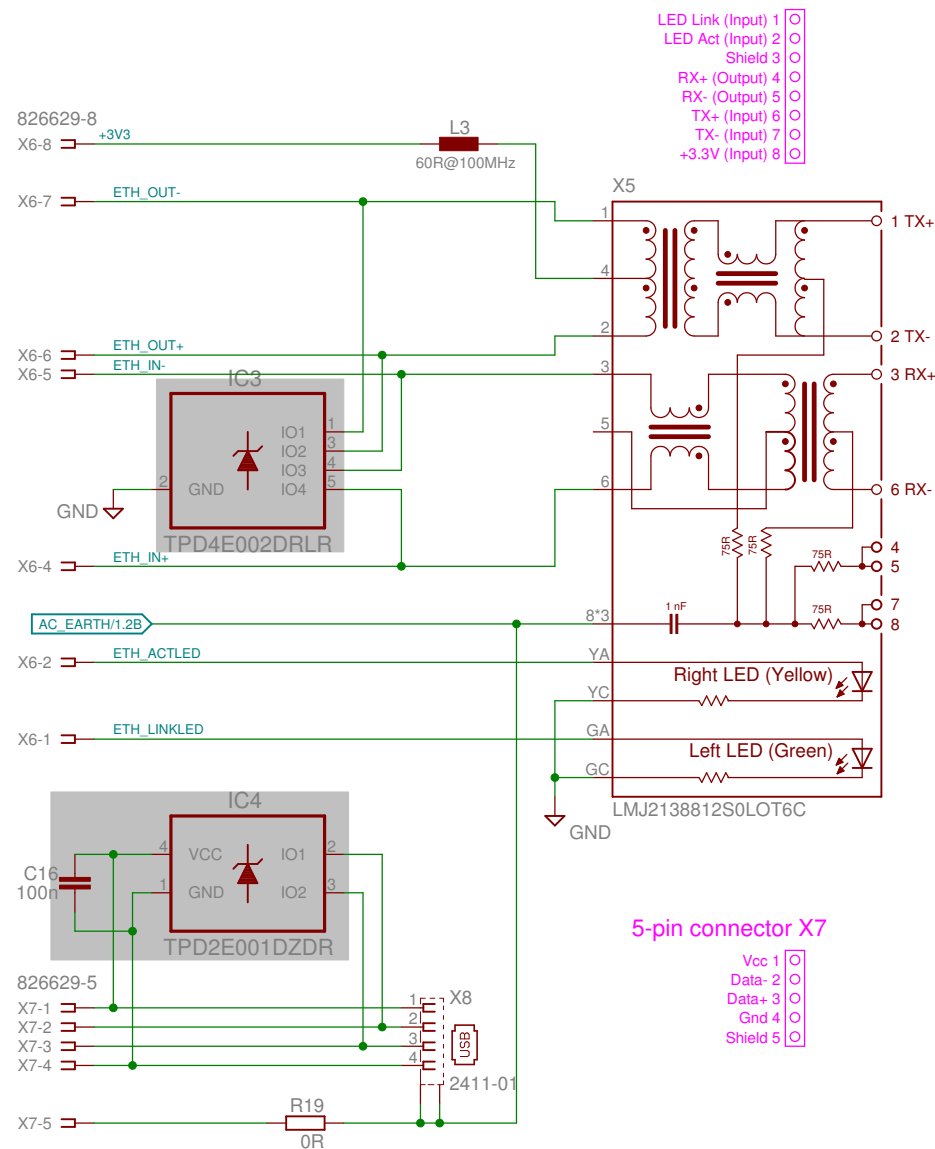
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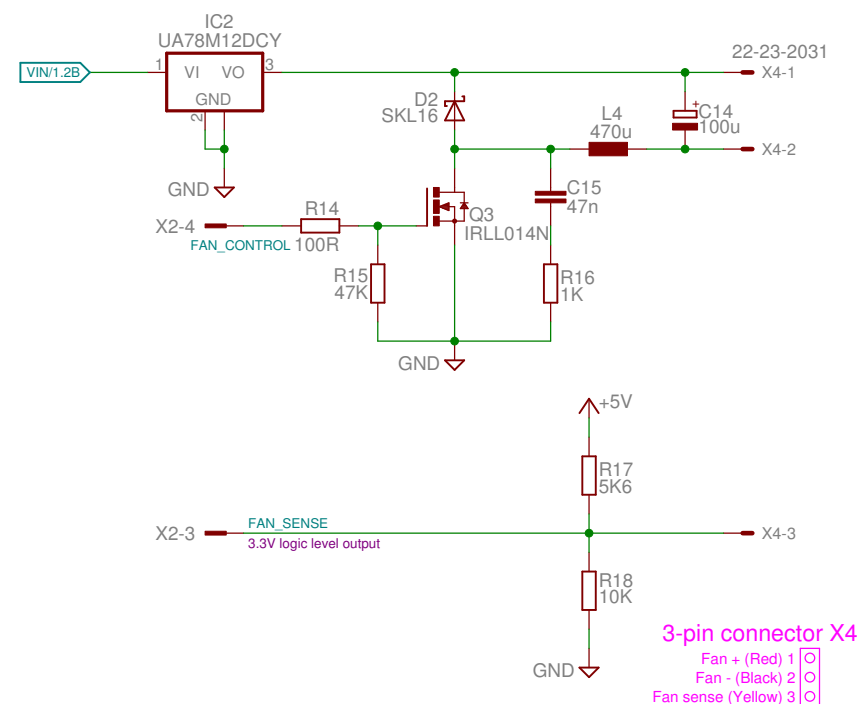
Ethernet and USB connectors with optional surge protection



Note 2.1: Mount X5 and X8 on the opposite (top) side of the PCB. Use 14 mm (e.g. Bossard B3X14/BN3320) for enclosure with 3 mm rear panel

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 More info at <http://www.envox.hr/eez>  
 Repository: <https://github.com/eez-open>

12VDC fan control



Ethernet and USB PCB connectors  
 12VDC fan driver (max. 300 mA)

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