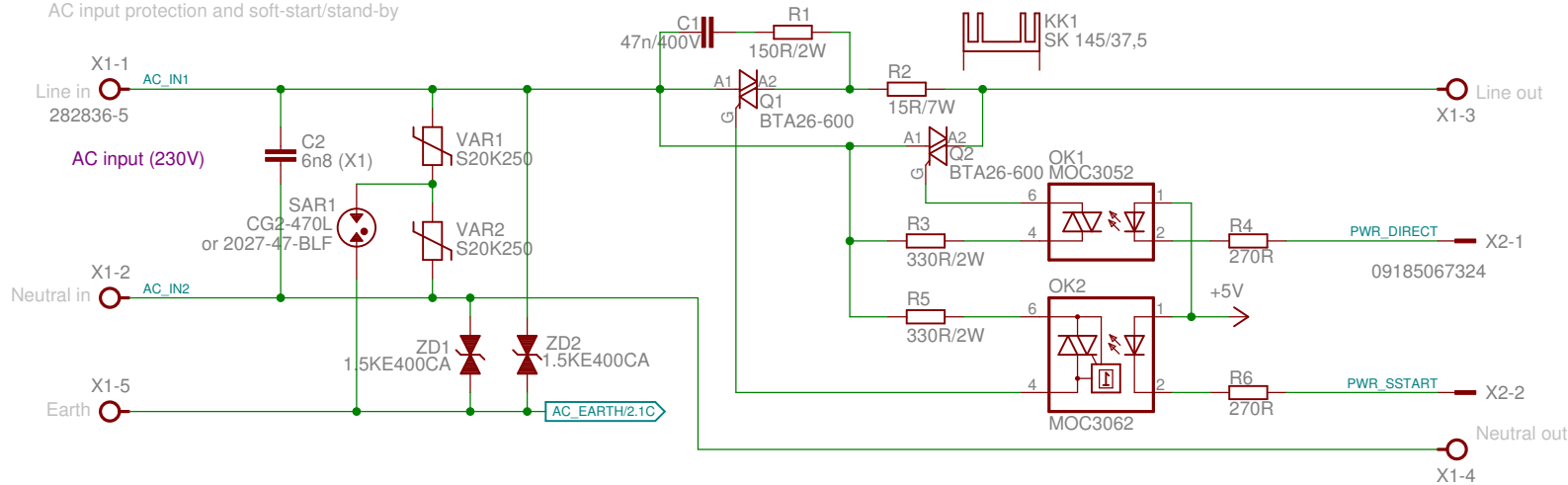


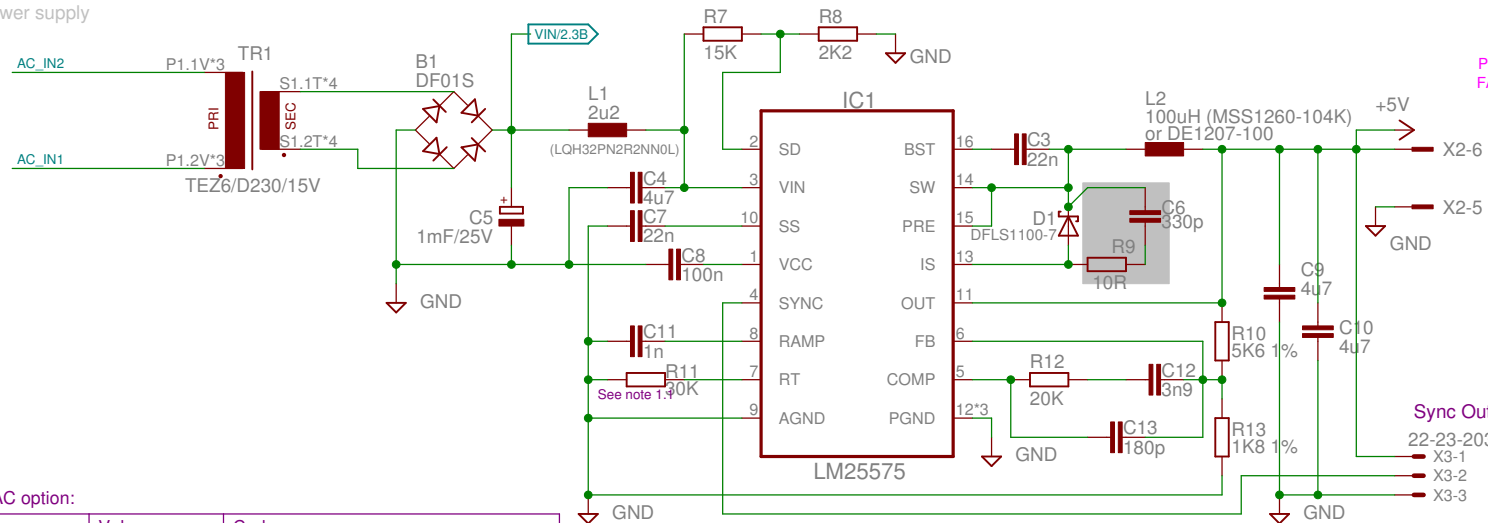
# AC input protection and soft-start/stand-by



## 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		2	PWR_SSTART (Input)
FAN_SENSE (Output)	3		4	FAN_PWM (Input)
Gnd	5		6	+5V (Output)

## 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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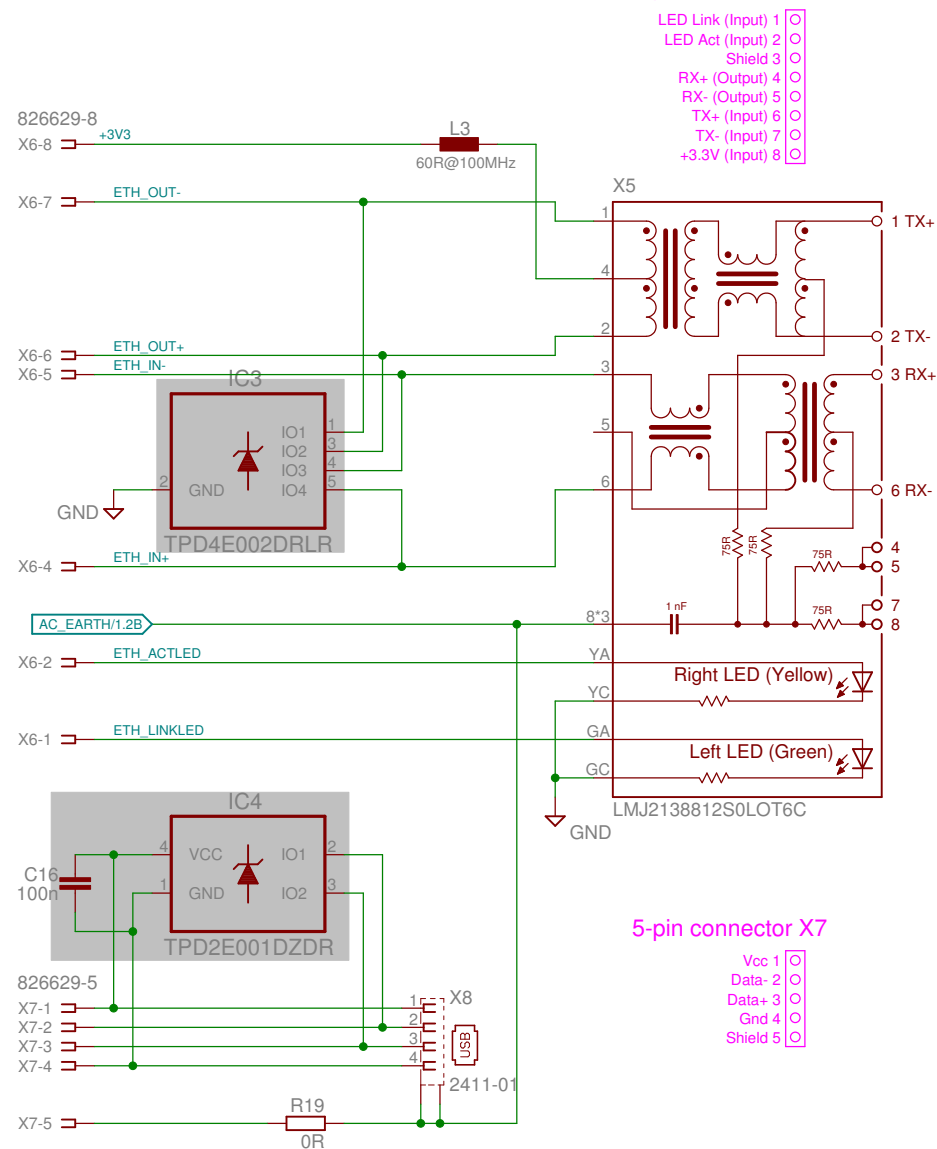
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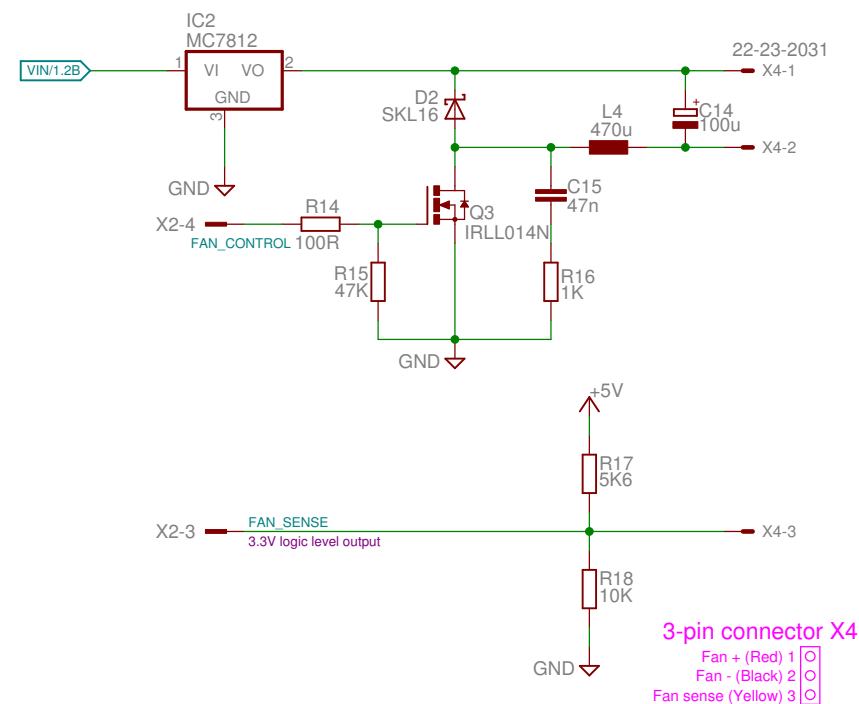
Ethernet and USB connectors with optional surge protection



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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