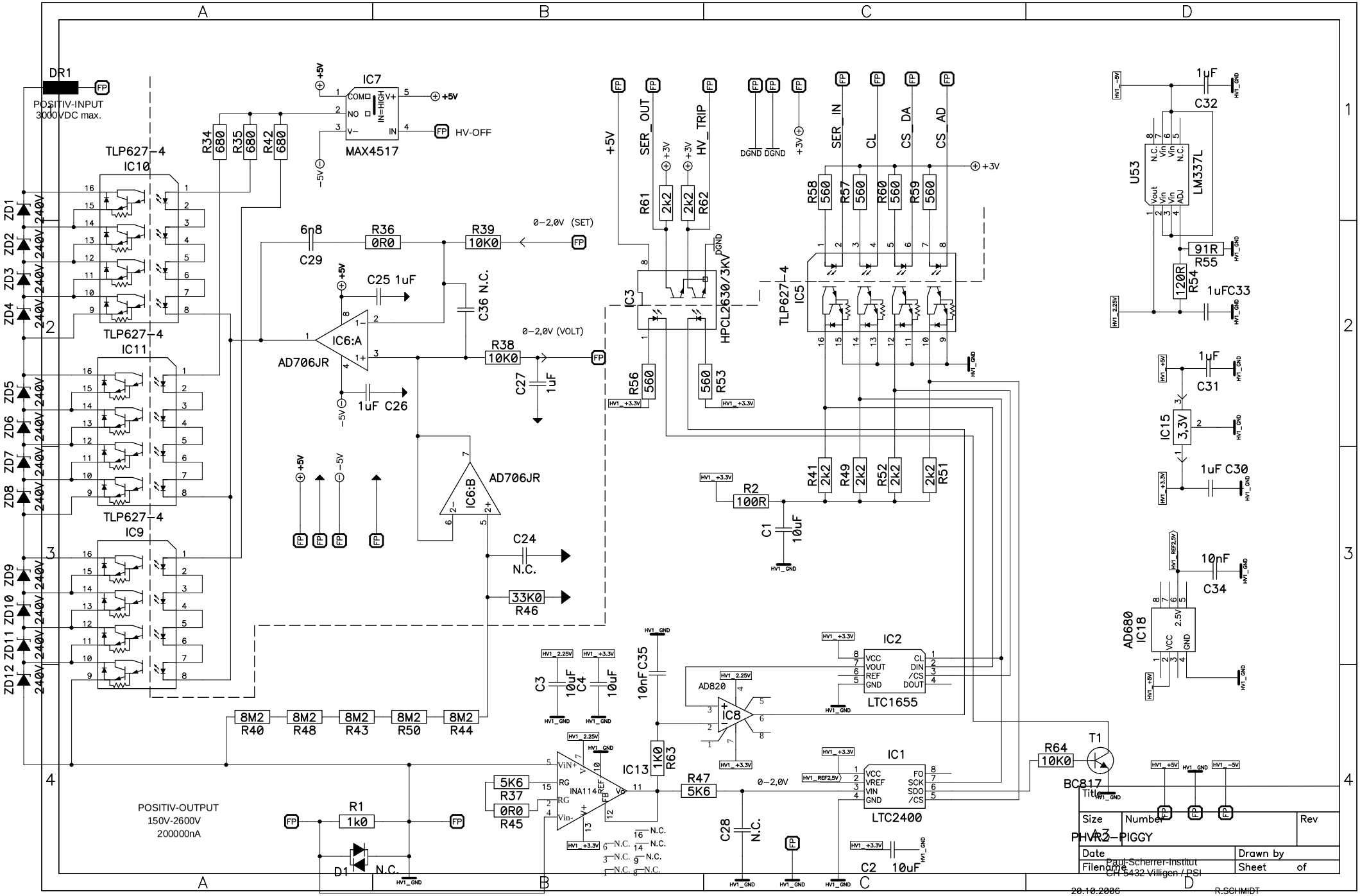
DR1
POSITIV-INPUT
3000VDC max.
TLP627-4
IC10
IC11
IC9
ZD1
ZD2
ZD3
ZD4
ZD5
ZD6
ZD7
ZD8
ZD9
ZD10
ZD11
ZD12
240V
R34 680
R35 680
R42 680
IC7
MAX4517
COM
NO
V-
V+
IN=HIGH
IN
HV-OFF
+5V
-5V
6n8
C29
R36
0R0
R39
10K0
0-2,0V (SET)
C25 1uF
C36 N.C.
IC6:A
AD706JR
1uF C26
R38
10K0
0-2,0V (VOLT)
C27
1uF
IC6:B
AD706JR
C24
N.C.
33K0
R46
8M2
R40
R48
R43
R50
R44
R1
1k0
D1
N.C.
POSITIV-OUTPUT
150V-2600V
200000nA
C3
10uF
C4
10uF
10nF C35
AD820
IC8
IC13
INA114
1K0
R63
5K6
R37
0R0
R45
R47
5K6
0-2,0V
C28
N.C.
IC2
LTC1655
IC1
LTC2400
C2
10uF
R64
10K0
T1
BC817
+5V
SER_OUT
HV_TRIP
R61
2k2
R62
2k2
IC3
HPCL2630/3KV
R56
560
R53
560
DGND
SER_IN
CL
CS_DA
CS_AD
+3V
R58
560
R57
560
R60
560
R59
560
IC5
TLP627-4
R41
2k2
R49
2k2
R52
2k2
R51
2k2
R2
100R
C1
10uF
U53
LM337L
C32
1uF
91R
R55
120R
R54
1uF C33
C31
1uF
IC15
3,3V
1uF C30
AD680
IC18
2,5V
10nF
C34
HV1_GND
HV1_+3.3V
HV1_2.25V
HV1_REF2,5V
HV1_+5V
HV1_-5V
Title
Size
Number
Rev
A3
PHVR2-PIGGY
Date
Drawn by
Filename
Sheet of
Paul-Scherrer-Institut
CH-5432 Villigen / PSI
20.10.2006
R.SCHMIDT
1
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