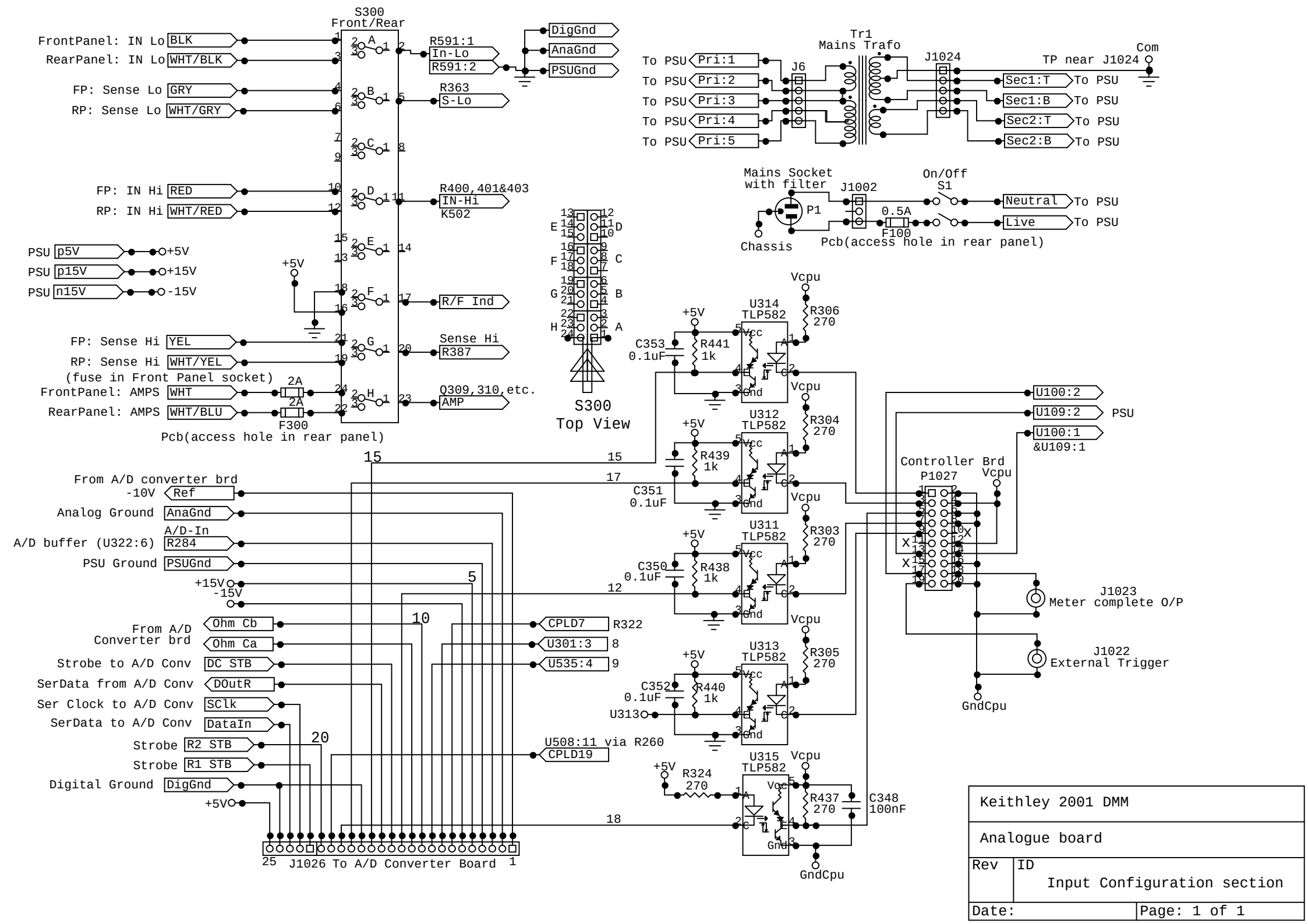
S300
Front/Rear
FrontPanel: IN Lo
BLK
RearPanel: IN Lo
WHT/BLK
FP: Sense Lo
GRY
RP: Sense Lo
WHT/GRY
FP: IN Hi
RED
RP: IN Hi
WHT/RED
FP: Sense Hi
YEL
RP: Sense Hi
WHT/YEL
(fuse in Front Panel socket)
FrontPanel: AMPS
WHT
RearPanel: AMPS
WHT/BLU
2A
F300
Pcb(access hole in rear panel)
R591:1
In-Lo
R591:2
DigGnd
AnaGnd
PSUGnd
R363
S-Lo
R400,401&403
IN-Hi
K502
R/F Ind
Sense Hi
R387
Q309,310,etc.
AMP
PSU p5V
+5V
PSU p15V
+15V
PSU n15V
-15V
S300
Top View
Tr1
Mains Trafo
To PSU Pri:1
To PSU Pri:2
To PSU Pri:3
To PSU Pri:4
To PSU Pri:5
J6
J1024
TP near J1024
Com
Sec1:T
Sec1:B
Sec2:T
Sec2:B
To PSU
Mains Socket
with filter
P1
Chassis
J1002
On/Off
S1
0.5A
F100
Neutral
Live
Pcb(access hole in rear panel)
U314
TLP582
U312
TLP582
U311
TLP582
U313
TLP582
U315
TLP582
R306
270
R304
270
R303
270
R305
270
R324
270
R437
270
C348
100nF
R441
1k
R439
1k
R438
1k
R440
1k
C353
0.1uF
C351
0.1uF
C350
0.1uF
C352
0.1uF
Vcpu
Gnd
Vcc
From A/D converter brd
-10V
Ref
Analog Ground
AnaGnd
A/D-In
A/D buffer (U322:6)
R284
PSU Ground
PSUGnd
+15V
-15V
From A/D
Converter brd
Ohm Cb
Ohm Ca
Strobe to A/D Conv
DC STB
SerData from A/D Conv
DOutR
Ser Clock to A/D Conv
SClk
SerData to A/D Conv
DataIn
Strobe
R2 STB
Strobe
R1 STB
Digital Ground
DigGnd
+5V
CPLD7
R322
U301:3
8
U535:4
9
U508:11 via R260
CPLD19
15
17
5
12
10
20
18
25
J1026 To A/D Converter Board
1
Controller Brd
P1027
U100:2
U109:2
PSU
U100:1
&U109:1
J1023
Meter complete O/P
J1022
External Trigger
GndCpu
Keithley 2001 DMM
Analogue board
Rev
ID
Input Configuration section
Date:
Page: 1 of 1