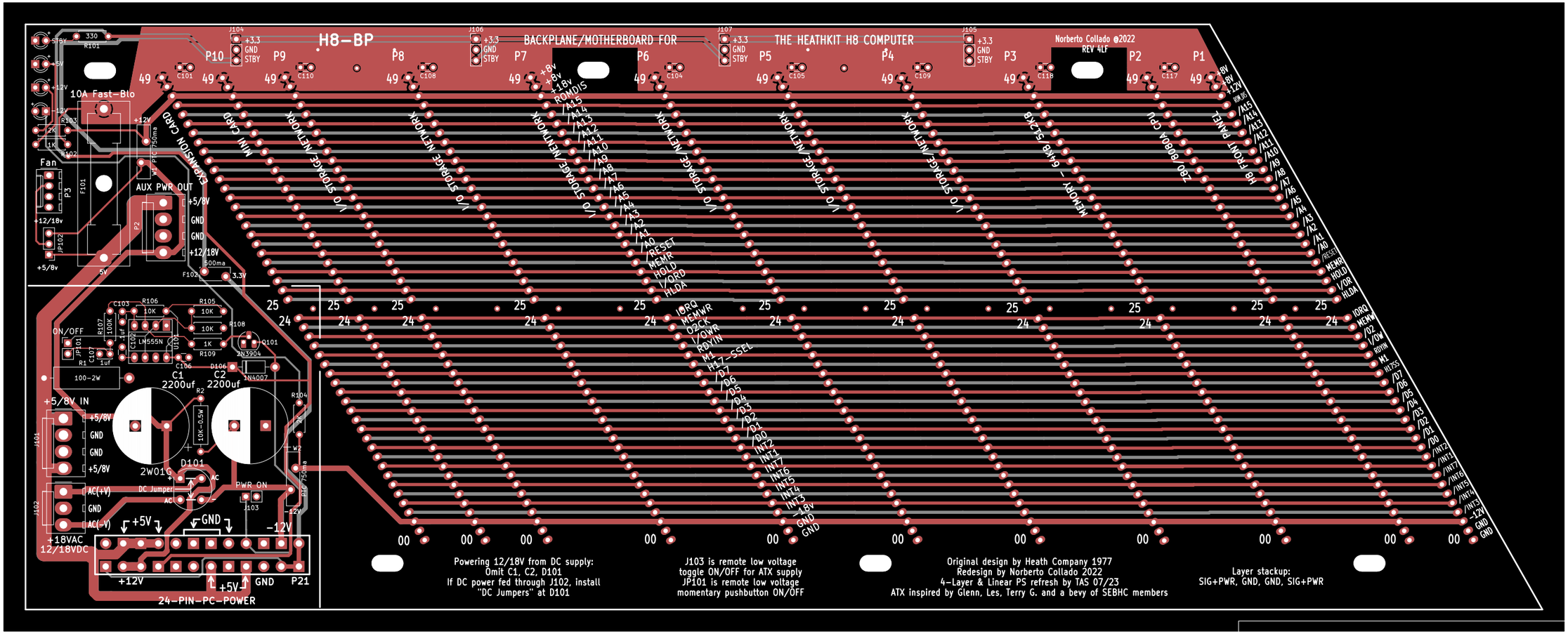
H8-BP
BACKPLANE/MOTHERBOARD FOR
THE HEATHKIT H8 COMPUTER
Norberto Collado ©2022
REV 4LF
P10
P9
P8
P7
P6
P5
P4
P3
P2
P1
10A Fast-Blo
Fan
AUX PWR OUT
+5/8V
GND
GND
+12/18V
500ma
3.3V
ON/OFF
LM555N
2N3904
1N4007
C1
2200uf
C2
2200uf
2W01G
D101
DC Jumper
PWR ON
+5/8V IN
AC(+V)
GND
AC(-V)
+18VAC
12/18VDC
+5V
GND
-12V
+12V
+5V
GND
P21
24-PIN-PC-POWER
CARDSION CARD
MINI CARD
I/O STORAGE NETWORK
ROMDIS
MEMORY - 64KB SLAXB
Z80/8080A CPU
H8 FRONT PANEL
IORQ
MEMWR
/O2
I/OW
RDYIN
M1
H17-SSEL
/RESET
MEMR
HOLD
I/OR
HLDA
Powering 12/18V from DC supply:
Omit C1, C2, D101
If DC power fed through J102, install
"DC Jumpers" at D101
J103 is remote low voltage
toggle ON/OFF for ATX supply
JP101 is remote low voltage
momentary pushbutton ON/OFF
Original design by Heath Company 1977
Redesign by Norberto Collado 2022
4-Layer & Linear PS refresh by TAS 07/23
ATX inspired by Glenn, Les, Terry G. and a bevy of SEBHC members
Layer stackup:
SIG+PWR, GND, GND, SIG+PWR