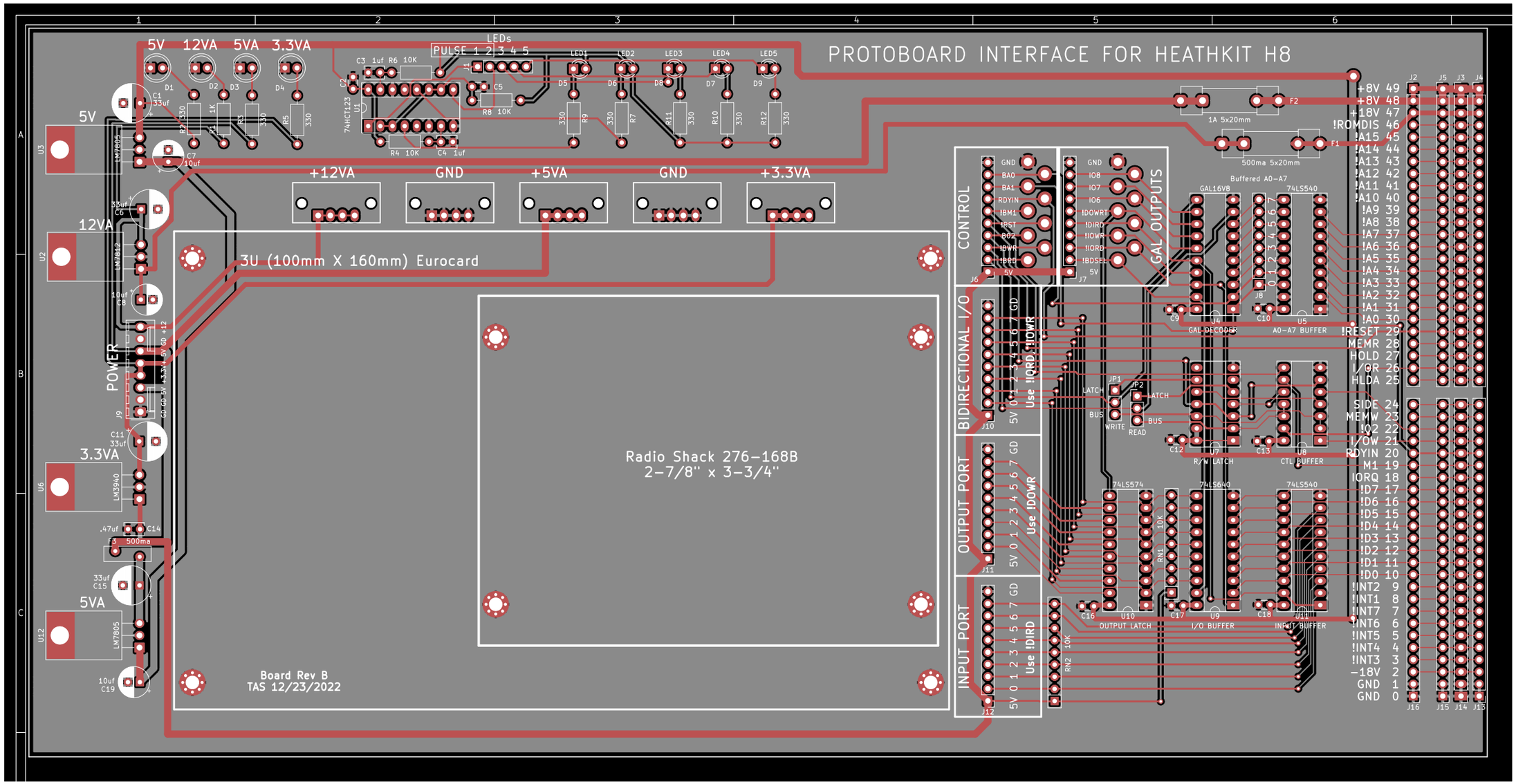
PROTOBOARD INTERFACE FOR HEATHKIT H8
5V 12VA 5VA 3.3VA
LEDs
PULSE 1 2 3 4 5
LED1 LED2 LED3 LED4 LED5
74HC123
+12VA GND +5VA GND +3.3VA
POWER
3U (100mm X 160mm) Eurocard
Radio Shack 276-168B
2-7/8" x 3-3/4"
Board Rev B
TAS 12/23/2022
CONTROL
BIDIRECTIONAL I/O
OUTPUT PORT
INPUT PORT
GAL OUTPUTS
Use !IORD !IOWR
Use !DOWR
Use !DIRD
GAL16V8
Buffered A0-A7
74LS540
GAL DECODER
A0-A7 BUFFER
R/W LATCH
CTL BUFFER
74LS574
74LS640
OUTPUT LATCH
I/O BUFFER
INPUT BUFFER
1A 5x20mm
500ma 5x20mm
+8V 49
+8V 48
+18V 47
!ROMDIS 46
!A15 45
!A14 44
!A13 43
!A12 42
!A11 41
!A10 40
!A9 39
!A8 38
!A7 37
!A6 36
!A5 35
!A4 34
!A3 33
!A2 32
!A1 31
!A0 30
!RESET 29
MEMR 28
HOLD 27
I/OR 26
HLDA 25
SIDE 24
MEMW 23
!Q2 22
I/OW 21
RDYIN 20
M1 19
!ORQ 18
!D7 17
!D6 16
!D5 15
!D4 14
!D3 13
!D2 12
!D1 11
!D0 10
!INT2 9
!INT1 8
!INT7 7
!INT6 6
!INT5 5
!INT4 4
!INT3 3
-18V 2
GND 1
GND 0