J3 for insertion of single wire device to read its ID number.

Jumper 1 and 3 if not in use

Do not connect switched circuits to rest of node! Open circuit voltage is about 27 Vac, and voltage to ground is unknown.

U18 for over/under temp protection

U19 is real time clock

View into open end of jack

Dr. Edward Cheung
Available for non-commercial uses only
edward.b.cheung.1@gsfc.nasa.gov
If R10 too small, there will be different rise time for each 1-wire device as line resistance becomes important (higher currents). If R10 too large, the devices will sample 0's when a 1 was intended. R10 needs to be 3k to 6k for long runs.

DIN26 Pinout:
1-LCD Gnd
2-LCD Vcc
3-LCD Vee (crystal drive)
4-LCD RS
5-LCD R/W
6-LCD E NABLE
7-LCD D S0
8-LCD D S1
9-LCD D S2
10-LCD D S3
11-LCD D S4
12-LCD D S5
13-LCD D S6
14-LCD D S7
15-LCD Backlight + (400mA)
16-LCD Backlight -
17-Top Button
18-Middle Button
19-Bottom Button
20-Ground (return)
21-Blue LED 1
22-LED Common
23-Blue LED 2
24-Red LED
25-LED Common
26-Green LED