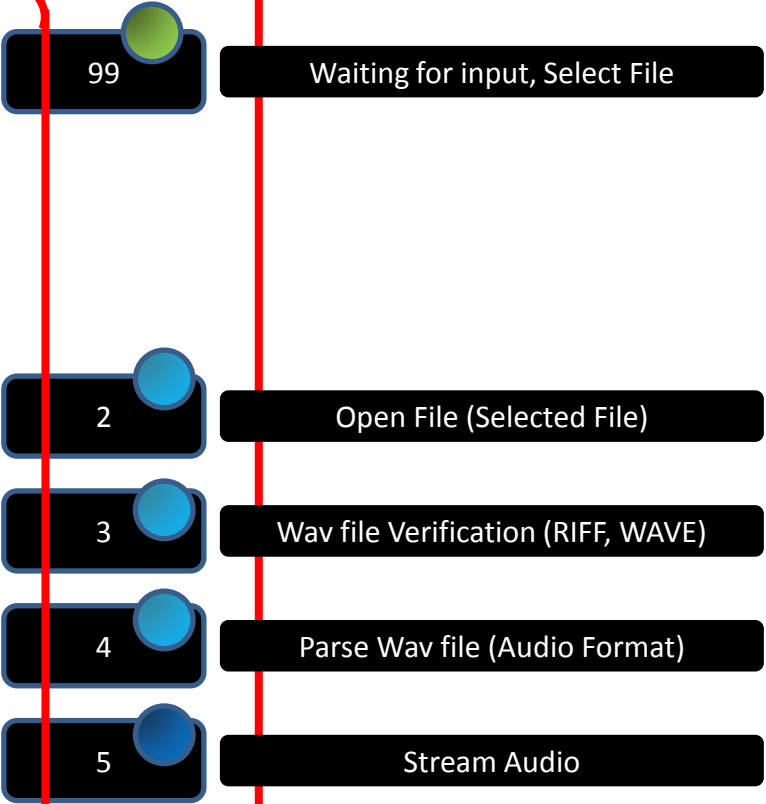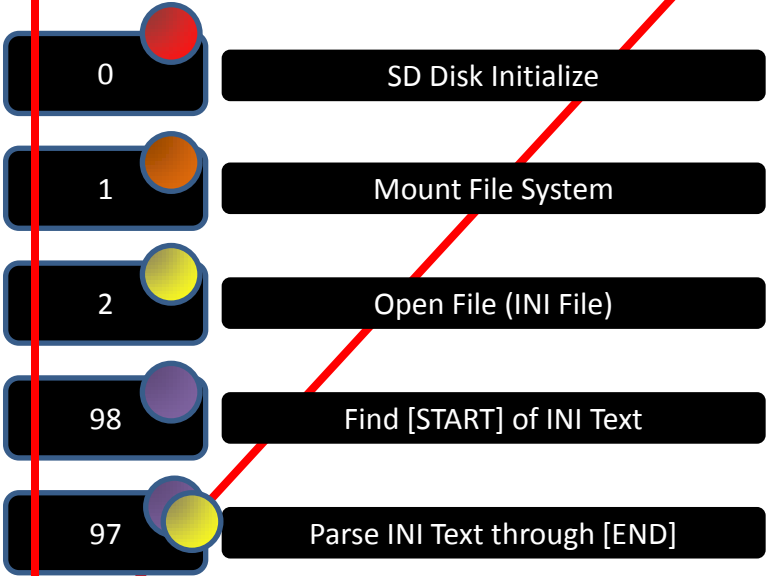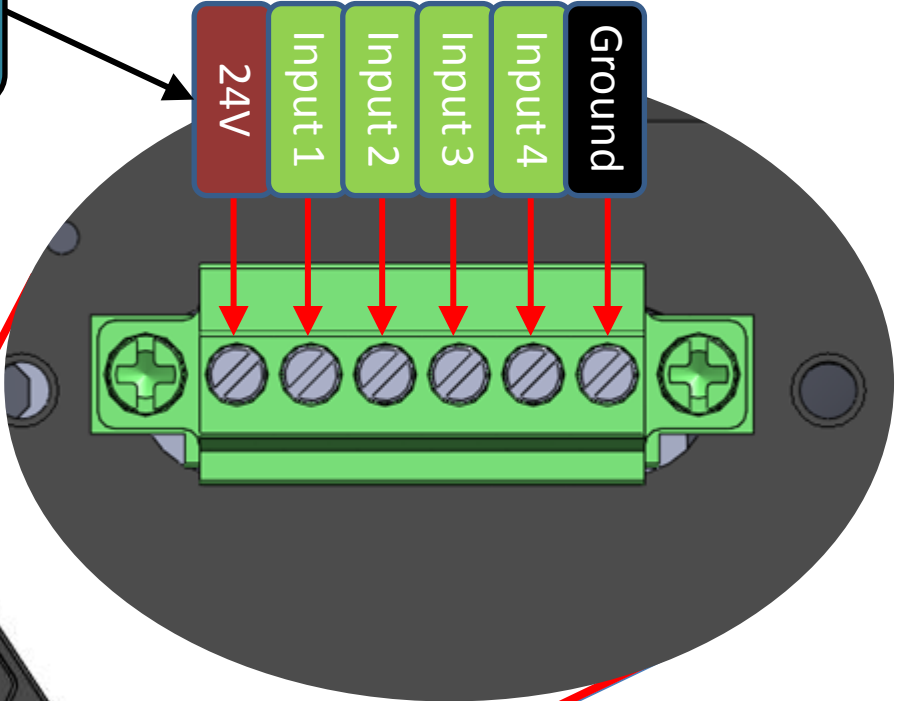# Status Light

Power Applied
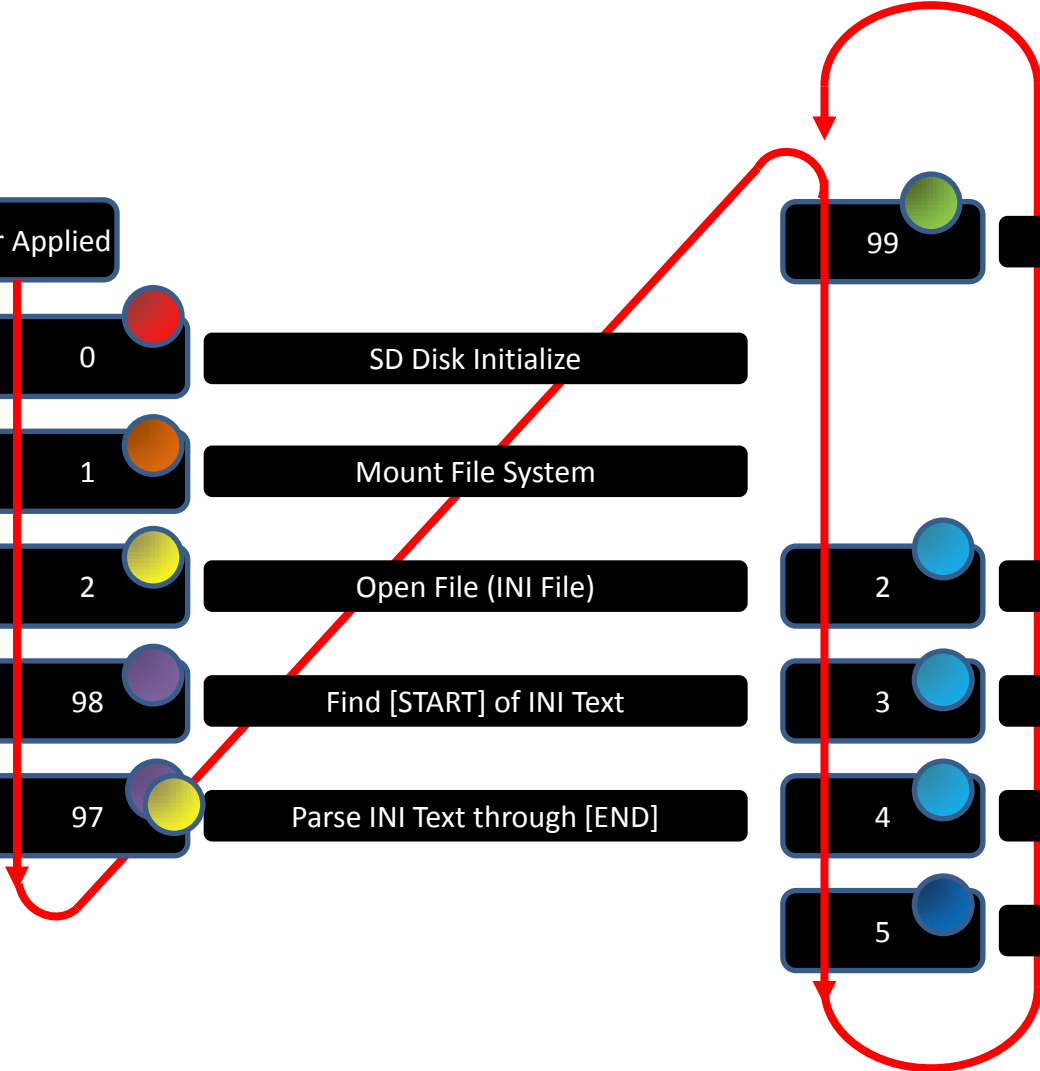
Light	Code	Description
(red)	0	SD Disk Initialize
(orange)	1	Mount File System
(yellow)	2	Open File (INI File)
(purple)	98	Find [START] of INI Text
(yellow)	97	Parse INI Text through [END]

Light	Code	Description
(green)	99	Waiting for input, Select File
(blue)	2	Open File (Selected File)
(blue)	3	Wav file Verification (RIFF, WAVE)
(blue)	4	Parse Wav file (Audio Format)
(blue)	5	Stream Audio

Reverse Polarity protected by Diode on Ground pin

24V | Input 1 | Input 2 | Input 3 | Input 4 | Ground
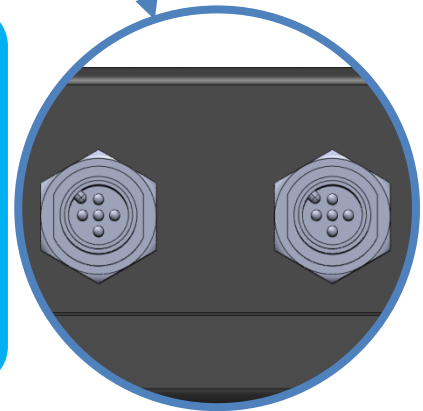
Reverse Polarity protected by Diode on Ground pin`

WARNING
Pin 1 on each plug is connected to each other internally. DO NOT apply different voltages to each Pin 1.

1	2	3
24V	Input 1	Input 2

4	5	6
GND	Input 3	Input 4

1
2
3
4
5

INPUT PLUG 1   PINOUT   INPUT PLUG 2
1 - 24V
2 - IN 2
2 - IN 4
3 - GND
4 - IN 1
4 - IN 3
5 - GND
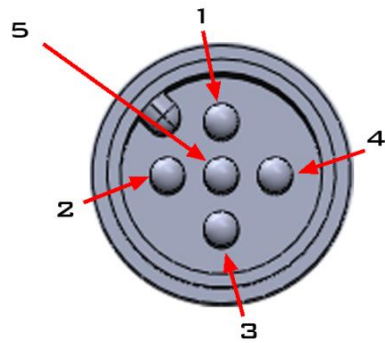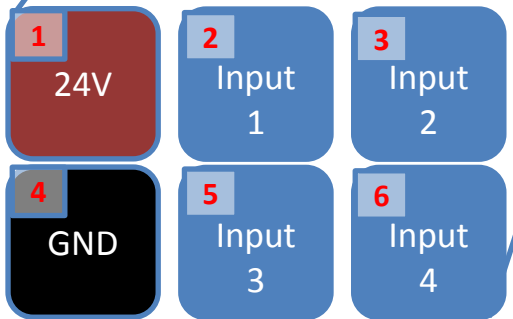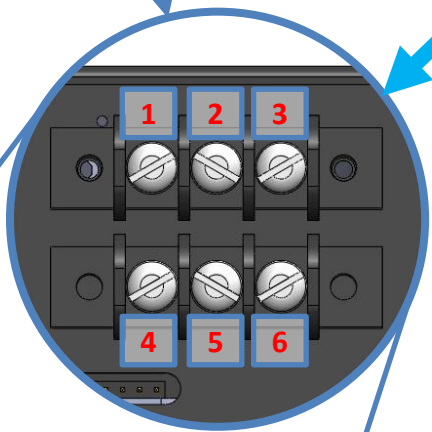
Config.ini

[start config]

//input filenames, max 15 characters
input 1 = 1.wav
input 2 = 2.wav
input 3 = 3.wav
input 4 = 4.wav
input 5 = 5.wav
input 6 = 6.wav
input 7 = 7.wav
input 8 = 8.wav
input 9 = 9.wav
input 10 = 10.wav
input 11 = 11.wav
input 12 = 12.wav
input 13 = 13.wav
input 14 = 14.wav
input 15 = 15.wav

//loop the playback, true/false
repeat = true

//input level switched "high", or switched "low"
input level = low

[end]

Assign Files to each input combination

Input 1	Input 2	Input 3	Input 4
1	0	0	0
0	1	0	0
1	1	0	0
0	0	1	0
1	0	1	0
0	1	1	0
1	1	1	0
0	0	0	1
1	0	0	1
0	1	0	1
1	1	0	1
0	0	1	1
1	0	1	1
0	1	1	1
1	1	1	1

.WAV file format encoding
8 bit Data
Single Channel (mono)
Up to 44K samples / sec

Determines whether to loop the audio file if the input is still active when the playback is complete.

Switched "low", means the input needs to be pulled to 0V to be "on"
Switched "high" mean the input needs to be pulled to 24V to be "on"
All 4 inputs are set together

SanDisk ©
2 GB microSDHC