

Note 1:
In Simple Stand Alone Mode, there is a one-to-one correspondence between the inputs and outputs. For example, IN01 controls OUT01, IN02 controls OUT02, etc.

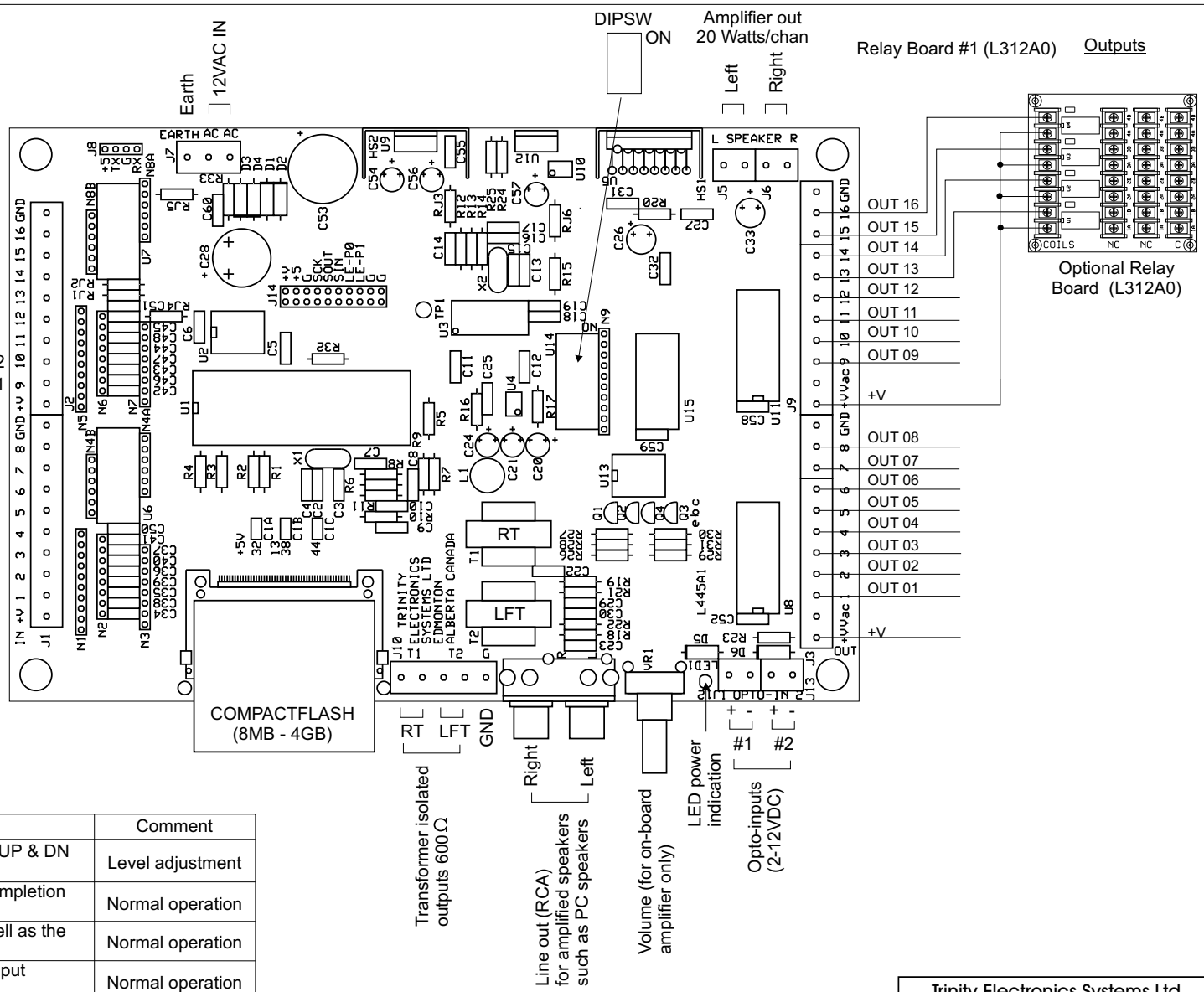
Note 2:
Opto-isolator inputs 1 and 2 are shared by inputs 9 and 10 and are mapped to outputs 9 and 10. The opto-isolator inputs override the priority of inputs 9 and 10.

Note 3:
In Simple Stand Alone Mode, for level adjustment, power up system with DIPSW 1 in ON position and input 1 grounded, activate an input between 1 and 14 to play track corresponding to input and use inputs 15 and 16 to increase and decrease output level. The selected track is played and the rest of the inputs are not read so long DIPSW 1 is in the ON position. To resume normal operation, turn DIPSW 1 to OFF position once level adjustment is completed.

Note 4:
Mp3 tracks need to be properly named. See documentation for information on filenames.

Note 5:
System behavior on power-up: Plays the mp3 corresponding to the lowest-numbered input which has a active low state.

- Inputs**
- GND
 - IN 16
 - IN 15
 - IN 14
 - IN 13
 - IN 12
 - IN 11
 - IN 10/OPTO-IN 02
 - IN 09/OPTO-IN 01
 - +V
 - IN 08
 - IN 07
 - IN 06
 - IN 05
 - IN 04
 - IN 03
 - IN 02
 - IN 01
 - +V



DIPSW Settings:

1	2	3	Behaviour	Comment
ON	X	X	Changes level and writes to EEPROM every time UP & DN keys (input 15 & 16) are active. ***	Level adjustment
OFF	OFF	OFF	Plays MP3 and sets output high. Track plays to completion even if input becomes inactive	Normal operation
OFF	OFF	ON	Same as above but also set output #8 high and well as the corresponding output.	Normal operation
OFF	ON	OFF	Plays MP3 track and sets output high only while input is active	Normal operation
OFF	ON	ON	Same as above but also set output #8 high and well as the corresponding output.	Normal operation

X=Don't care
SW #4, #5 and #6: NOT USED
SW #7 and #8: Shared by opto-isolator inputs 1 and 2, keep in OFF position

*** Input 1 must be grounded at power up to go into level adjust mode.

Note: Max size of Compact Flash is 4GB

Trinity Electronics Systems Ltd Edmonton, Alberta, Canada				
L445 Mp3 Player Wiring Diagram				
File: MP3 Wiring 01.cdr				
Folder: MP3 Player.445				
Drawn LWK	Date 24/Jun/05	Project/PCB L445	Rev A1	Sh. 1/1