

Media Remote for Kodi - Task #309

Powering the device

2022-10-01 21:24 - Fredrick Amnehagen

Status:	To do	Start date:	2022-10-01
Priority:	Normal	Due date:	
Assignee:		% Done:	70%
Category:		Estimated time:	0:00 hour
Target version:	2022	Spent time:	0:00 hour
Description			
The remote needs power, it has a battery compartment for 2 AAA batteries. If that isn't enough, use Li-Po variants of the AAA form factor to get a bit more power.			
If using Li-Po, look into locking the battery cover on and charging with usb.			

History

#1 - 2022-10-02 00:28 - Fredrick Amnehagen

- Description updated

#2 - 2022-10-07 07:54 - Fredrick Amnehagen

Look into buck boost converters.  
You need to go from 1.2 1.5 2.4 3.0 to 3.3v.  
Maybe LTC3530

#3 - 2022-10-08 09:32 - Fredrick Amnehagen

- File unknown.png added

unknown.png

10uh smd inductor (LPO3310-103 or (LQH32CN100K33L or LQH32CH100K53L, not sure how to decide)  
1uf ceramic capacitor (used as a bypass capacitor).  
10uf or 22uf (22uf for 5v or also for 3.3v?) ceramic capacitor "used as an output filter capacitor", place close to the IC.

#4 - 2022-12-27 23:28 - Fredrick Amnehagen

How to power ANYTHING using USB-C Power Delivery and the ZY12PDN PD Trigger Board  
or <https://youtu.be/aIHj3qMRqgE?t=818>

#5 - 2023-04-19 19:33 - Fredrick Amnehagen

- Ordered and recieved boost converter boards. T64
- Have yet to test them, with a multimeter since I don't have a scope to check the noise.

#6 - 2023-04-19 19:33 - Fredrick Amnehagen

- % Done changed from 0 to 70

#7 - 2024-08-09 12:15 - Fredrick Amnehagen

- Assignee deleted (Fredrick Amnehagen)

Files

unknown.png	28.7 KB	2022-10-08	Fredrick Amnehagen
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