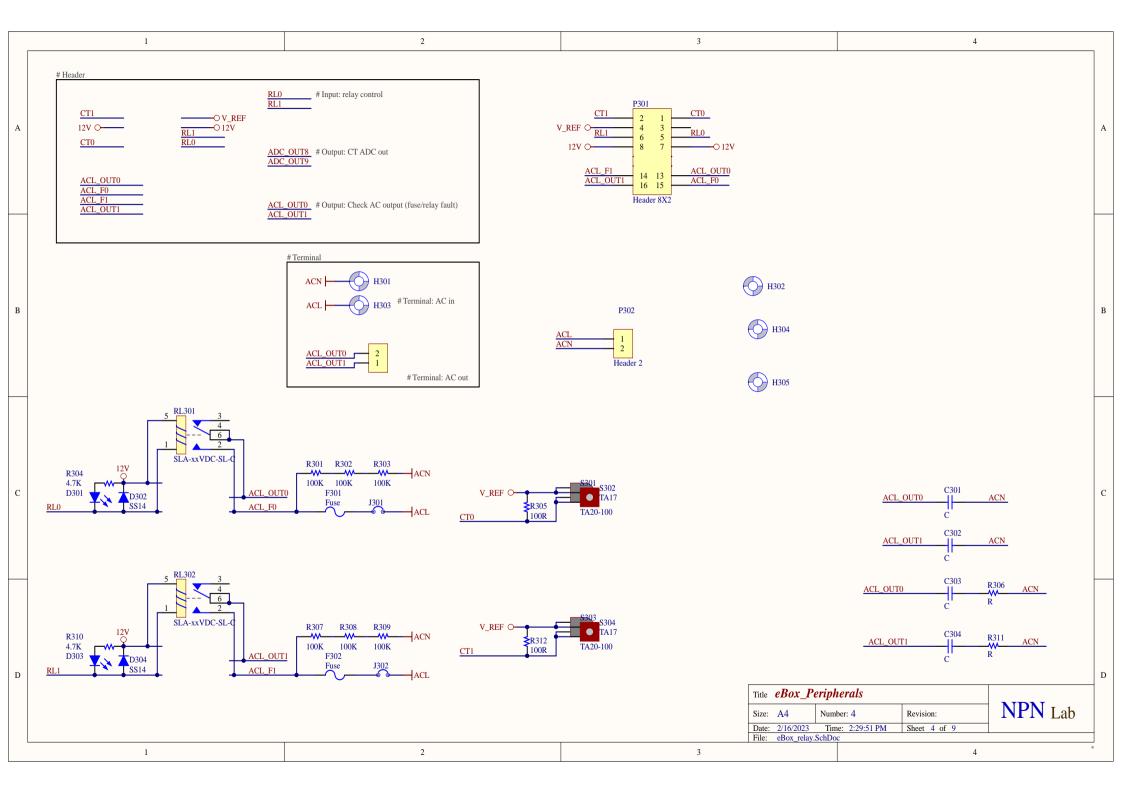
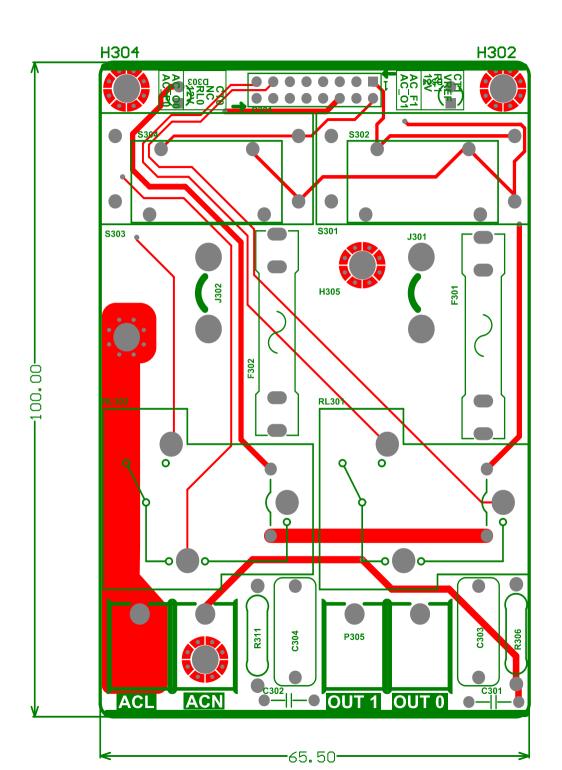
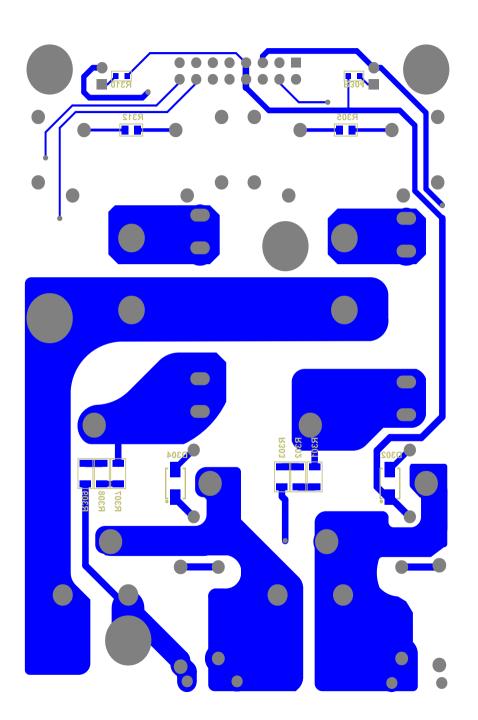
Date (d/m/y)   Version   Note	Date (d'm'y)   Version   Note				
Note   Note	Note   Note   Note			1	
Darft version   Odd   Darft version	102122019   0.1   Draft version	listory			
Add 1.8V power for CTs   Add 1.8V power for CTs   Add 1.8V power for CTs   Add buffer ICs for MCU   Replace single transistors by darlington transistors army.   Fixbug	4/12/2019  0.2  - Add resistors for CTS - Add buffer ICS for MCU - Replace single transistors by durlington transistors array Fixbug  7/12/2019  0.3  - Add LED signal for relay - Change CTs - Add buffer ICS for MCU - Add FCB document - Fixbug  9/12/2019  0.4  - Add Buzzer - Add FCB document - Fixbug  1/2/2019  0.5  Isl Them chin nap cho STM32 Isl Chinh so cho nguido 3G (R1,R2) hoig recommend cái nio thi tô diam Isl Them test point cho mây chô nguồn 12y, 3/3, 1/8 Isl Den led blink trang thai chinh B2 Isl Sim 5300 cling ra hing raio hoige test point uart dễ test  4/12/2019  0.6  - Add PCB layout  9/12/2019  0.7  - Fix bug  7/02/2020  1.0  - Pre-mass production (20 pcs)  - Add wift modules ESP-01 and ESP-05. Just use only one, the other for backup Bigger screw hole for more easy assembly - Fix the transformer footprint  - New version with Thaco - Stackable, easy install and remove - Relay board das subset or lead - Add win board das flow www. Wifflan module - Main board des SP, Main module - Main board 4de SP, - Mainboard 4de SP, - Mainboard Feeting - Main board 4de SP, - Mainboard realtime 2kbr crrostal		_		
Add LSV power for CTS   Add buffer ICs for MCU   Replace single transistors by darlington transistors army.   Fixbug	Add 1 8V power for CTS   Add buffer ICS for MCU   Replace single transistors by darlington transistors array.   Fixbug				
- Change CTS - Add feetback signals from AC ports - Add WAKE-UP pin for 3G module  09/12/2019  0.4 - Add Buzzer - Add PCB document - Fixbug  12/12/2019  0.5  [x] Thêm chân nap cho STM32 [x] Chinh số cho nguồn 3G (R1,R2) hoặc recommend cá nià oth từ đặm [x] Thêm test point cho mây chỗ nguồn 12/3 x/3, 1x8 [x] Đên led blink trang thái chân B2 [x] Sim 53/20 chang ra hàng rào hoặc test point utart để test  24/12/2019  0.6 - Add PCB layout  29/12/2019  0.7 - Fix bug  27/02/2020  1.0 - Pre-mass production (20 pcs)  12/03/2021  2.1 - Keep CTS 1 to 8 is 5A the same, the others change to 10A - Add wiff modules ESP-01 and ESP-05. Just use only one, the other for backup Bigger screw hole for more easy assembly - Fix the transformer footprint  31/01/2023  3.0 - New version with Thaco - Stackable, easy install and remove - Relay board resize and change connect to flat - Led board change to led & connector smd - Main hoard add New wift an module	- Change CTs - Add Feedback signals from AC ports - Add WAKE-UP pin for 3G module  09/12/2019  0.4 - Add BUZzer - Add PCB document - Fixbug  12/12/2019  0.5  [x] Thêm chân nap cho STM32 [x] Chánh số cho nguồn 3G (R1,R2) hoặc recommend cái nào thì tô đặm [x] Thêm test point cho mậy chổ nguồn 12, v.3v. twớ [x] Den led blink trang thái chân B2 [x] Sim 5320 chaig ra hàng rào hoặc test point uart để test  24/12/2019 0.6 - Add PCB layout  29/12/2019 0.7 - Fix bug  27/02/2020 1.0 - Pre-mass production (20 pcs)  12/03/2021 2.1 - Keep CTs 1 to 8 is 5A the same, the other schange to 10A - Add wiff modules ESP-05 Just use only one, the other for backup Bigger screw hole for more easy assembly - Fix the transformer footprint  31/01/2023 3.0 - New version with Thaco - Stackable, easy install and remove - Relay board add snubber - Main board Add New wifi/lan module - Main board 485 - Mainboard estitic edited.	04/12/2019	0.2	- A - A - R tra	Add 1.8V power for CTs Add buffer ICs for MCU Replace single transistors by darlington ansistors array.
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12/03/2021  2.1  - Keep CTs 1 to 8 is 5A the same, the others change to 10A  - Add wifi modules ESP-01 and ESP-05.  Just use only one, the other for backup.  - Bigger screw hole for more easy assembly  - Fix the transformer footprint  31/01/2023  3.0  - New version with Thaco  - Stackable, easy install and remove  - Relay board add snubber  - Relay board add snubber  - Relay board resize and change connect to flat  - Led board change to led & connector smd  - Main board add New wifi/lan module	12/03/2021  2.1  - Keep CTs 1 to 8 is 5A the same, the others change to 10A  - Add wifi modules ESP-01 and ESP-05.  Just use only one, the other for backup Bigger screw hole for more easy assembly - Fix the transformer footprint  31/01/2023  3.0  - New version with Thaco - Stackable, easy install and remove - Relay board add snubber - Relay board resize and change connect to flat - Led board change to led & connector smd - Main board add New wifi/lan module - Main board AC-filter to zero detection - Main board AC-filter to zero detection - Main board 485 - Mainboard realtime 32khz crrystal	27/02/2020	) 1.(	) -	
others change to 10A - Add wifi modules ESP-01 and ESP-05. Just use only one, the other for backup Bigger screw hole for more easy assembly - Fix the transformer footprint  31/01/2023  3.0 - New version with Thaco - Stackable, easy install and remove - Relay board add snubber - Relay board resize and change connect to flat - Led board change to led & connector smd - Main board add New wifi/lan module	others change to 10A  - Add wifi modules ESP-01 and ESP-05. Just use only one, the other for backup Bigger screw hole for more easy assembly - Fix the transformer footprint  31/01/2023  3.0  - New version with Thaco - Stackable, easy install and remove - Relay board add snubber - Relay board resize and change connect to flat - Led board change to led & connector smd - Main board add New wifi/lan module - Main board add New wifi/lan module - Main board AC-filter to zero detection - Main board 485 - Mainboard realtime 32khz crrystal	25/05/2020	2.0	) - Pi	re-mass production (20 pcs)
- Stackable, easy install and remove - Relay board add snubber - Relay board resize and change connect to flat - Led board change to led & connector smd - Main board add New wifi/lan module	- Stackable, easy install and remove - Relay board add snubber - Relay board resize and change connect to flat - Led board change to led & connector smd - Main board add New wifi/lan module - Main board resize for just 4 pair relay - Main board AC-filter to zero detection - Main board 485 - Mainboard realtime 32khz crrystal	12/03/2021	2.1	oth - A Jus - B ass	hers change to 10A Add wiff modules ESP-01 and ESP-05. st use only one, the other for backup. Bigger screw hole for more easy sembly
	- Main board AC-filter to zero detection - Main board 485 - Mainboard realtime 32khz crrystal	31/01/2023	3.0	- Si - R - R to f - L sm	Stackable, easy install and remove Relay board add snubber Relay board resize and change connect flat Led board change to led & connector Ind Main board add New wifi/lan module
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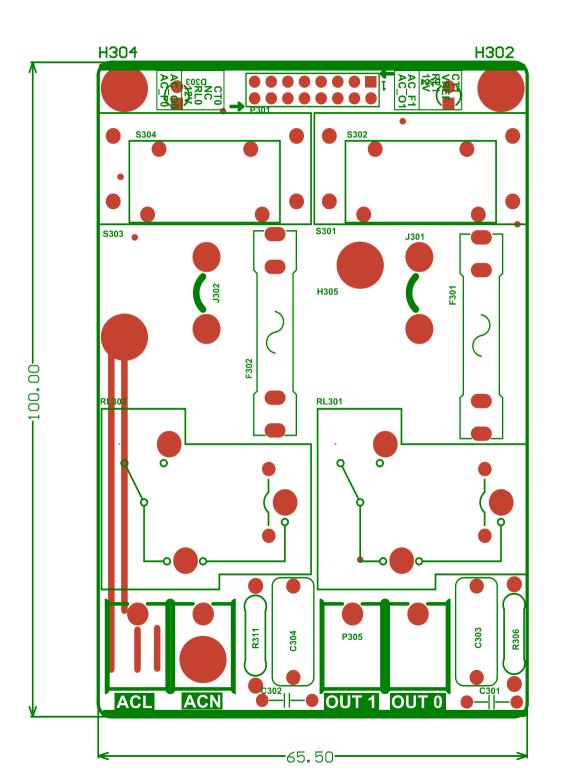
- -ACN Terminal to corner bottom right +check sze of snubber component -Region for fuse , thermal absorb
- Open air for acl
- tear drop
- label
- should removr 3 resistor serial & CT small?
- Rechack relay pin on ACL line , change footprint
- co ve chan acl cua header 8x2 chua dung











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