Power Module (Type-A / Rev.B)

[1] Index

Rev	Date	Designer	Description
A	24.04.11	Ganghyeok Lim	Create design project
B	24.05.19	Ganghyeok Lim	Connector Part Change (Molex Slim Stack → Amphenol BergStak 0.8mm)

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Doc	01_Index_(Rev.B).SchDoc	
Sheet # 1 of 4	Author *	
Date 2024-05-19		

Power Module (Type-A / Rev.B)

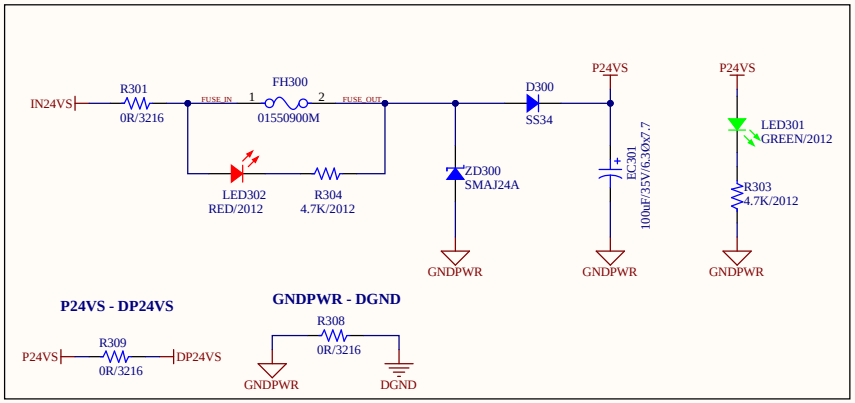
[2] Overview

Title	**Power Module (Type-A).PrjPcb**		Rev *****
Doc	**02_Overview.SchDoc**		ArkX ©2024
Sheet # **2** of **4**		Author *****	
Date	**2024-05-19**		

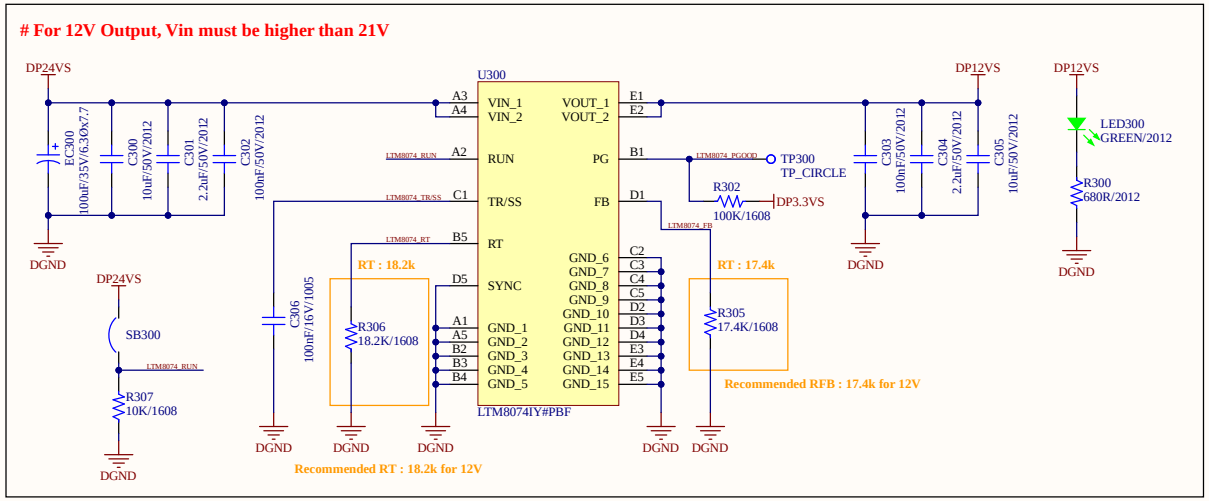
Power Module (Type-A / Rev.B)

[3] DC-DC Converter

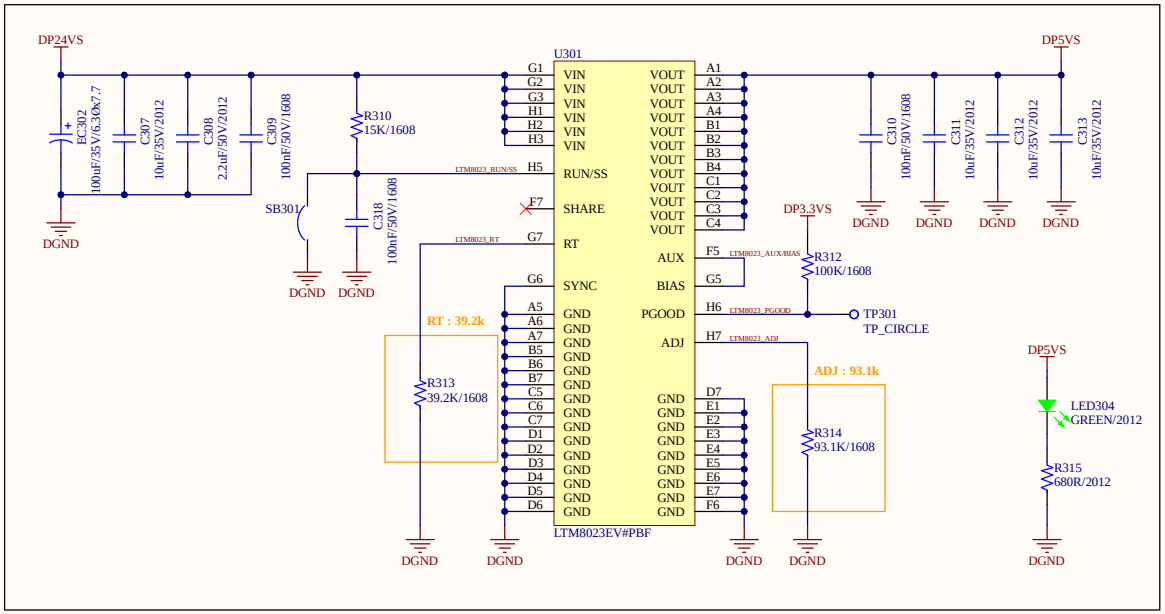
Power Input



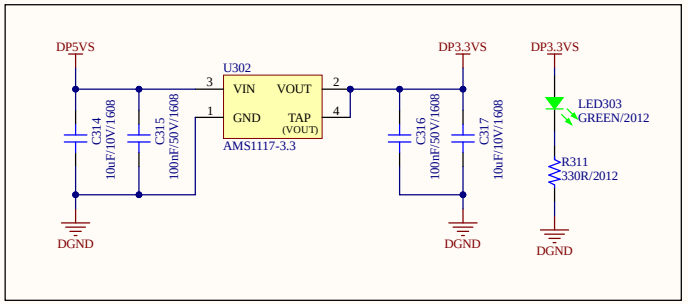
DP12VS : 12V Switching Regulator (12V / 1.5A)



DP5VS : 5V Switching Regulator (5V / 2A)



DP3.3VS : 3.3V LDO (3.3V / 1A)



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Doc	**03_DC-DC_Converter.SchDoc**	
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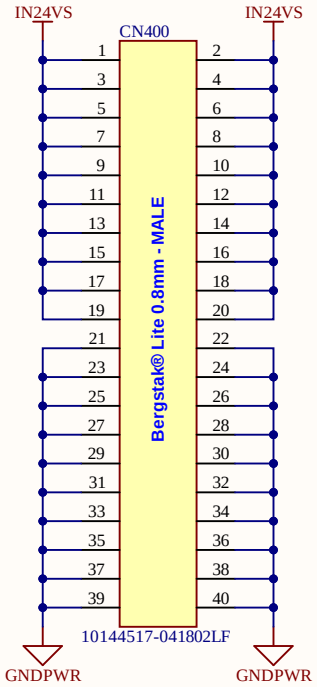
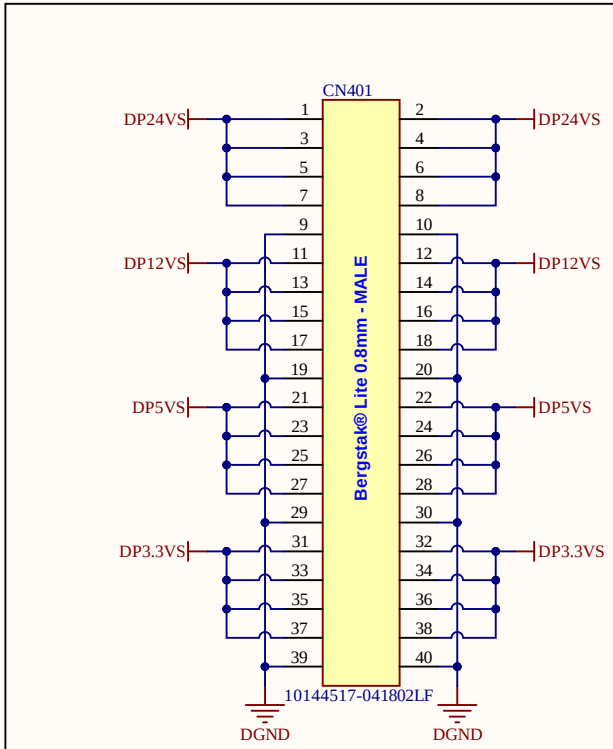
Power Module (Type-A / Rev.B)

[4] Connector

Power Input (24V)



Power Output (24V / 12V / 5V / 3.3V)



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Doc	**04_Connector.SchDoc**	
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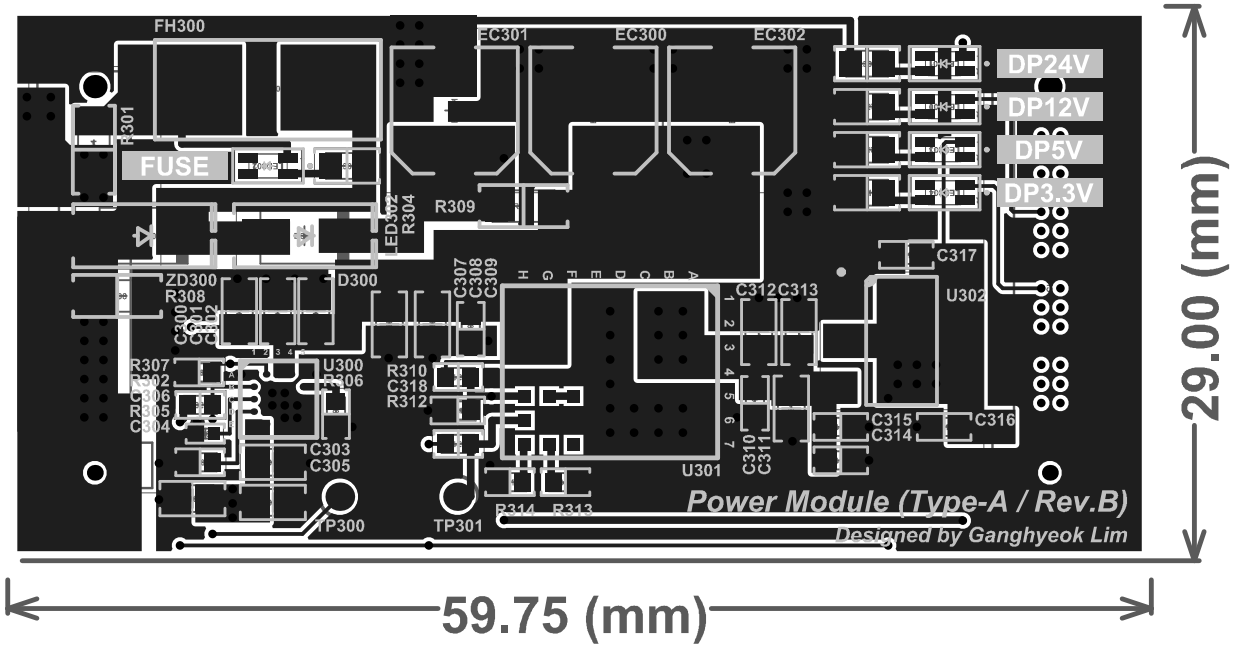
Date **2024-05-19**		

# Layer Information	
L1	Top (Signal / GND)
L2	GND
L3	Power
L4	Bottom (Signal / GND)



# PCB Specification (JLCPCB)		
No	Category	Selection
1	Base Material	FR-4
2	Layer #	4 - Layer
3	Dimension	59.75(mm) * 29.00(mm)
4	Thickness	1.6T
5	Color	Black
6	Material Type	FR4-Standard TG 135-140
7	Surface Finish	HASL(with lead)
8	Gold Thickness	No
9	Outer Copper Weight	1 oz
10	Inner Copper Weight	0.5 oz
11	Impedance Control	No
12	Layer Stack-up	Default Stack-up
13	Via Covering	Plugged
14	Min. Via Hole Size / Diameter	Hole : 0.3mm / Diameter : 0.45mm
15	Board Outline Tolerance	±0.2mm (Regular)
16	Confirm Production File	No
17	Remove Order Number	Yes
18	Flying Probe Test	Fully Test
19	Gold Fingers	No
20	30° Finger Chamfered	No
21	Castellated Holes	No
22	Edge Plating	No