

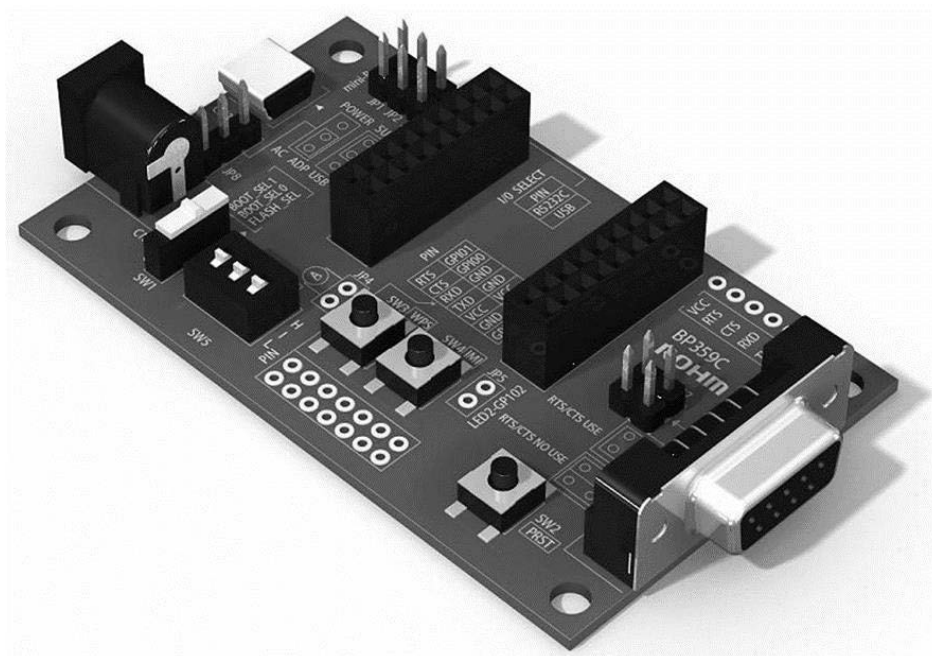
BP359C

Evaluation Board

Ver1.0.2E

Overview

This book is the document which described specifications of UART interface evaluation board BP359C.



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1. Absolute maximum rating

NO	Item PARAMETER	Sign SYMBOL	Rating LIMIT	Unit UNIT	Remarks REMARKS
1	Supply voltage	VCC	-0.5 - +12.5	V	DC
2			-0.5 - +6.5	V	USB bus power
3	Operating temperature range	Topr	-40 - +85	°C	
4	Storage temperature range	Tstg	-40 - +85	°C	

(note) It is the value that must not be even over a second even if the absolute maximum rating is every term of use or conditions of test.

2. Recommended action condition

NO	Item PARAMETER	Sign SYMBOL	Standard			Unit UNIT	Remarks REMARKS
			MIN.	TYP.	MAX.		
1	Supply voltage	VCC		5.0		V	DC
2				5.0		V	USB bus power
3	Category temperature range	Ta	-40	25	85	°C	

3. Main performance

NO	Item	Characteristic
1	Connection terminal	USB 2.0 (miniB) UART (RS232C) PIN (through hole)
2	UART communication baud rate	... 921600bps
3	Supply voltage	DC 5.0V

4. Functional block chart

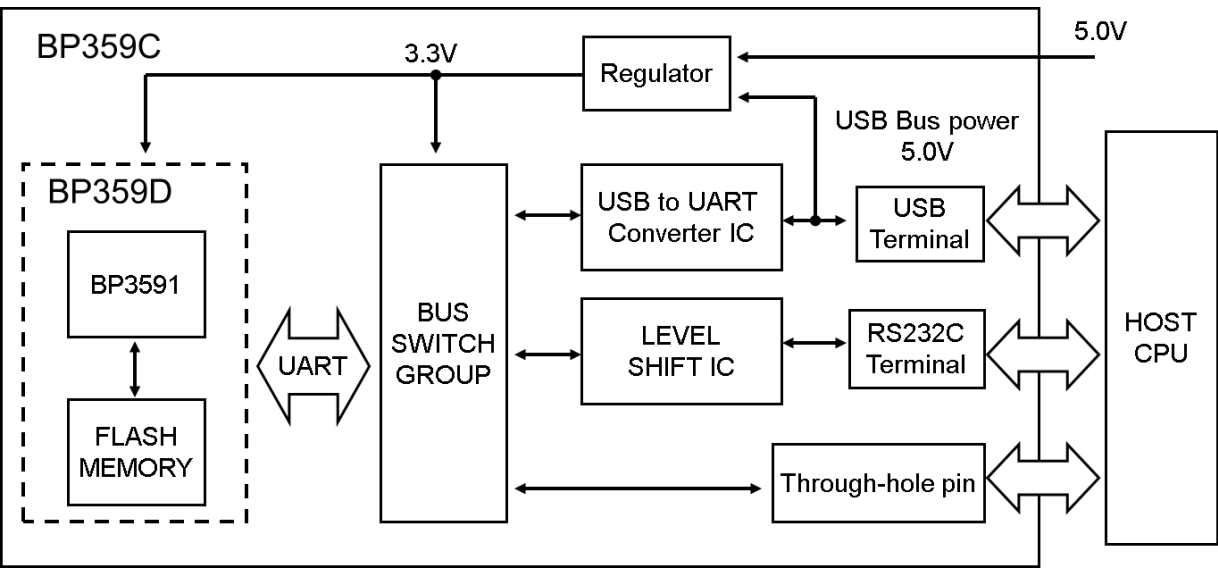
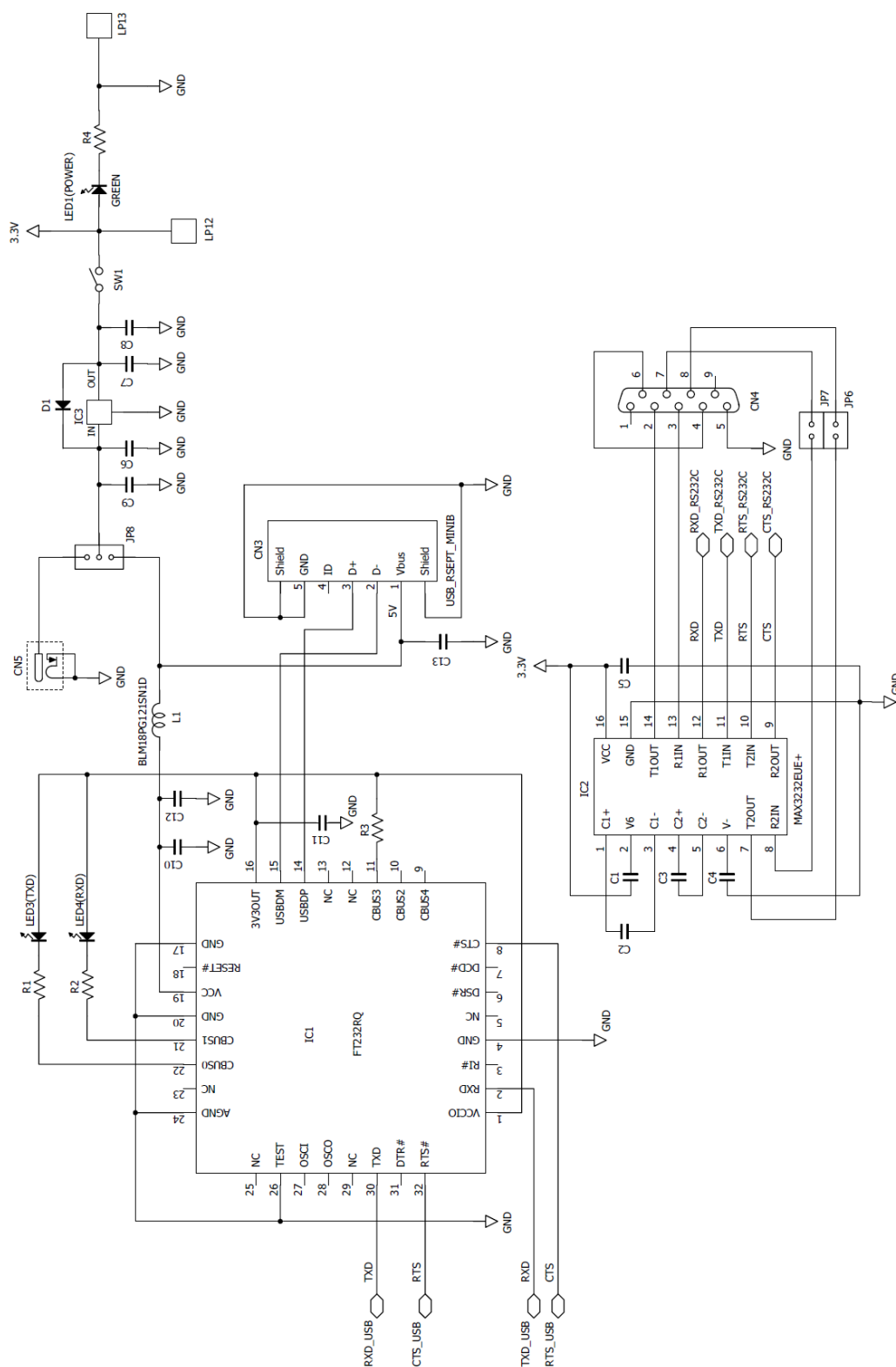


Figure 1. Functional block chart (at the time of BP3591, the BP359D deployment)



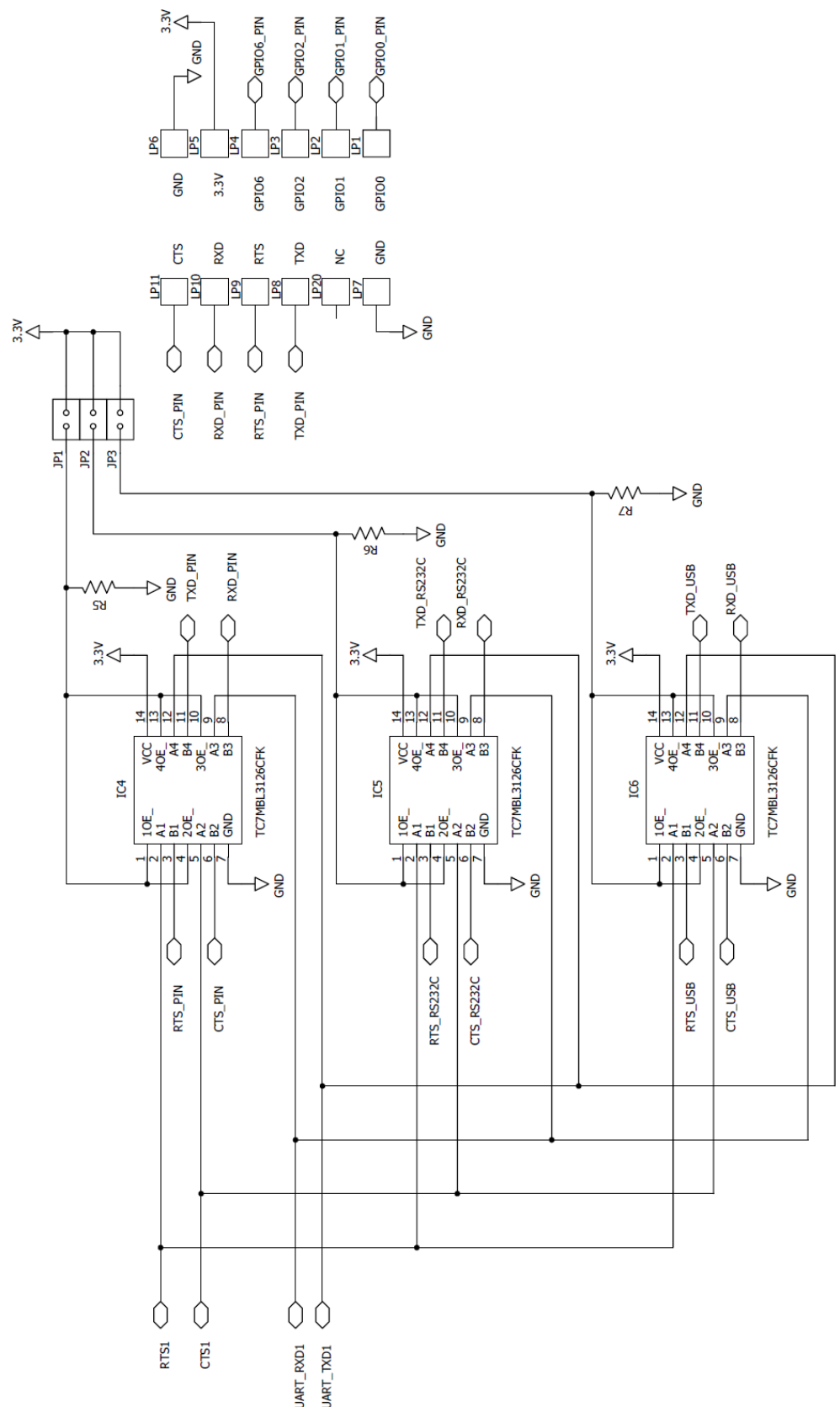


Figure 2-2 BP359D deployment BP359C circuit configuration (connection change part, through hole joint)

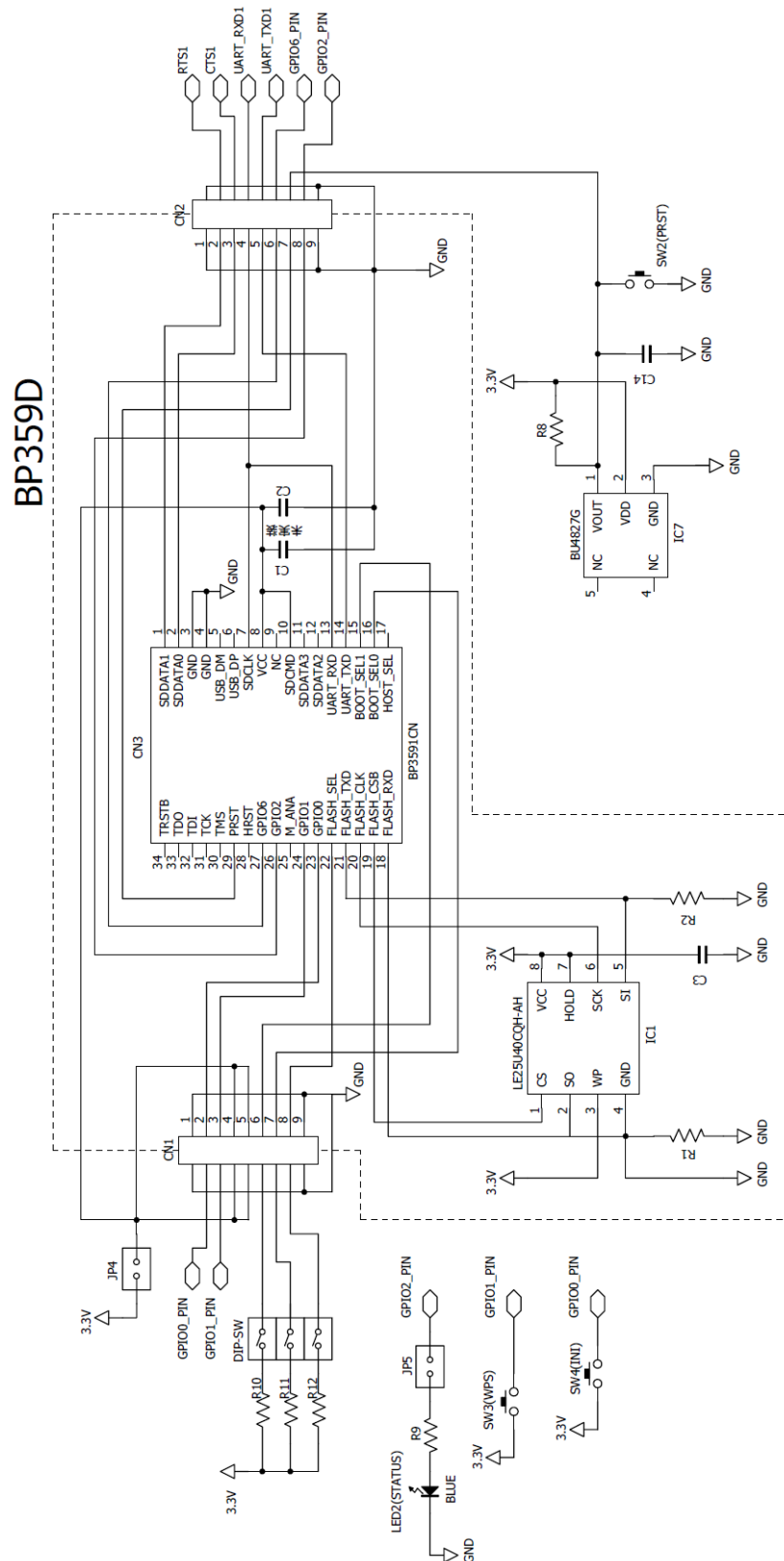


Figure 2-3 BP359C constitution circuit diagram (at the time of the BP359D deployment)

6. Figure of outline dimension

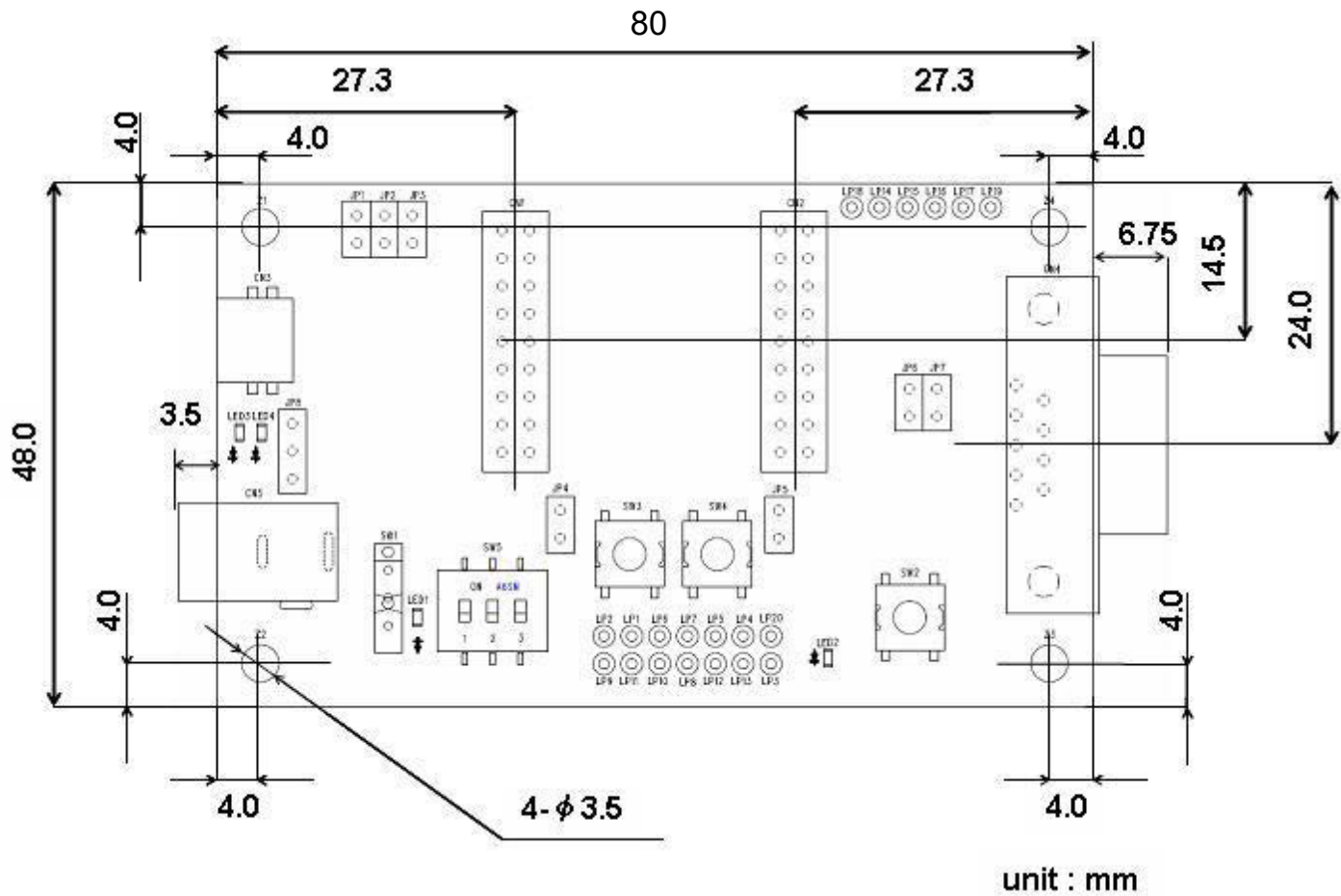
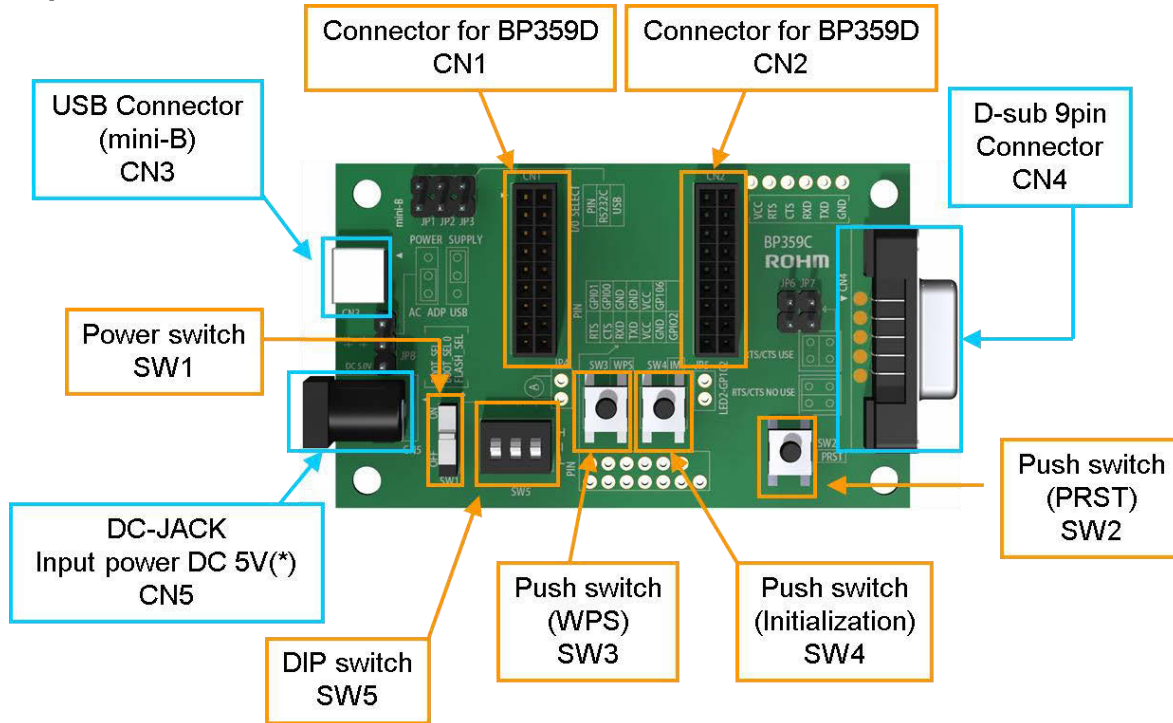


Figure of figure 3 outline dimension (*)

(*) All the values of the figure become the reference level.

7. Each part name



Each figure 5 part name

(*) Please use plugs more than outer diameter Φ 5.5mm, inside diameter Φ 2.1mm, 9.5mm in length. The power supply, please use more than 5V/1A.



DC Jack shape

- When I cannot prepare an AC adapter, I can let you drive by applying 3.3V to the VCC terminal of the through hole pin. (when there is a through hole pin, I describe it in the following page)

8. Connection and change of the operation mode

In the thing that it shines and changes the position to of the short pin to add to button placement, the jumper pin (JP) of the DIP switch, the change of connection method and the operation mode is possible. As shown, you let each jumper pin short-circuit depending on a use, and please use it. (I use a male pin of the A2 series of Hirose for a jumper pin. I recommend use of HIF3GA-2.54SP of Hirose to a short pin.)

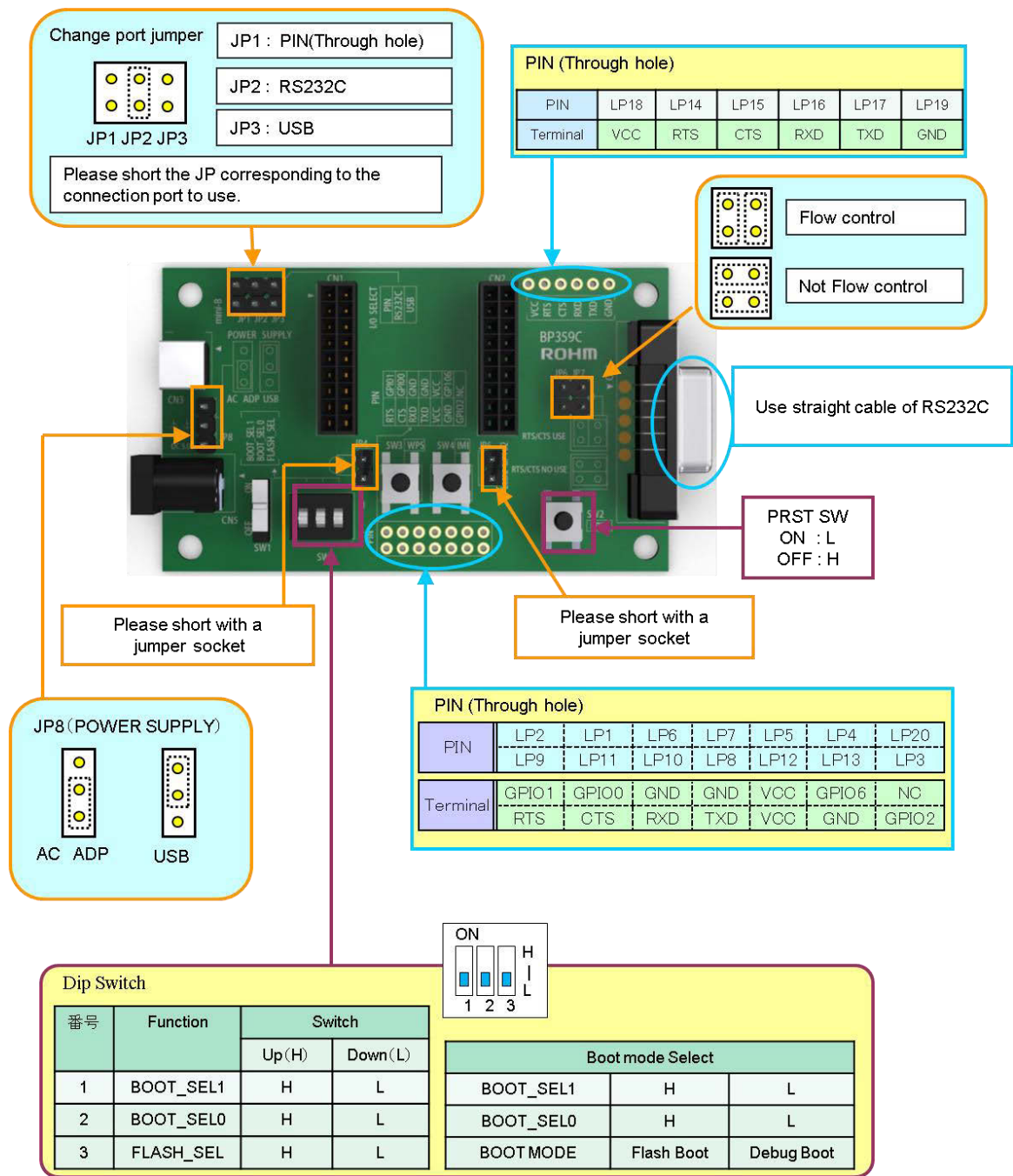


Figure 6 connection, operation mode change

9. Caution of operation matter

- 1) About a soldering department of parts implemented by this product, I shall not ask having solder fillet or not.
- 2) This product BP359C is a technology assessment board of the wireless LAN module. I do not hit it in the specifications that assumed that I am incorporated in a product and amused. Please be careful.

●Safety consideration matter

- 1) As for this product, the radiation design-resistant is not accomplished.
- 2) Please confirm that the working temperature is in the specification document in the temperature span of mention.
- 3) Because you cannot guarantee it about the malfunction that deviates from the mention contents of these specifications, and produced this product by having been used in Rohm Co.,Ltd., approve it.
- 4) I would like it to contact Rohm Co.,Ltd. immediately when a doubt occurs about the safety of this product, and to be able to have 技術検討 in your company.

●Instructions in storage, the transportation

- 1) Or the storage on such an environment and the condition, please avoid the following environment with this product because I might affect the performance such as performance degradation and connector fit characteristics on a condition when kept.
 - ①Storage at the place with much corrosive gas such as the sea breeze, Cl₂, H₂S, NH₃, SO₂, the NO₂
 - ②Recommended temperature, storage (recommended storage temperature: 5 degrees Celsius - 40 degrees Celsius, the humidity: 40% - 60%) except the humidity
 - ③Direct rays of the sun and storage at the place condensing dew
 - ④Storage at the place that strong static electricity produces
- 2) Please handle packing carton on the occasion of transportation, the storage of the product in right direction (sky side direction displayed by packing carton). When I let packing carton drop without a sky side direction being observed, excessive stress is applied to a product terminal and is in danger of the malfunction such as terminal curves occurring.

●Instructions in the product disposal

When you discard this product, in people of specialized waste industry, please do appropriate measures.

●Instructions about the industrial property

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10. Revision history

Ver.	Date	Contents
0.9.0	November 15, 2012	First edition
1.0.0	April 15, 2013	I move the clause of the revision history A through hole: NC pin addition
1.0.1E	April 27, 2020	Format change
1.0.2E	January 20, 2022	Replacement of Figure 2-3

Notes

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