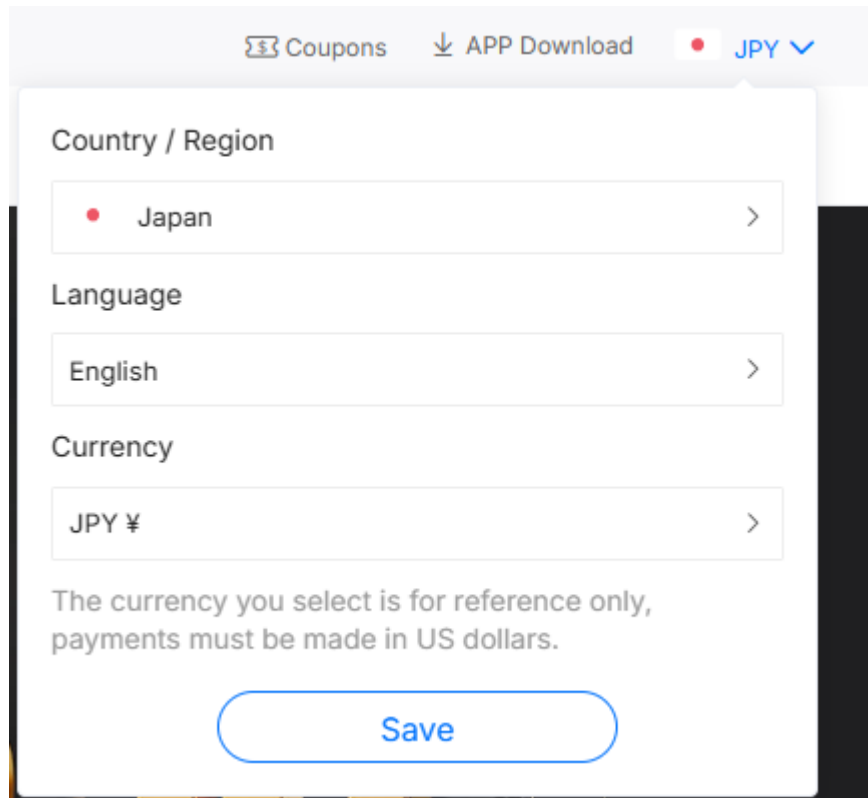


SiliCaの発注手順

JLCPCBでアカウントを作ります

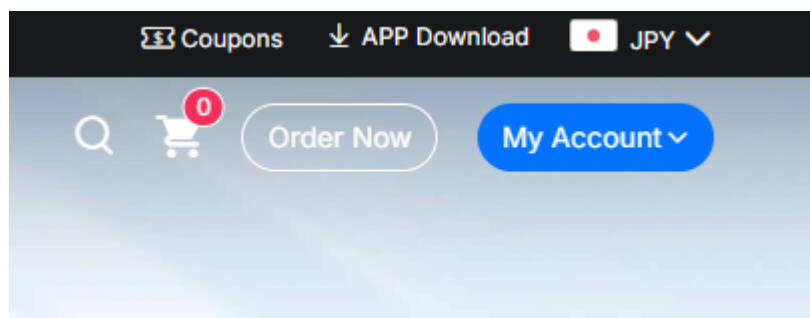
<https://jlcpcb.com/>

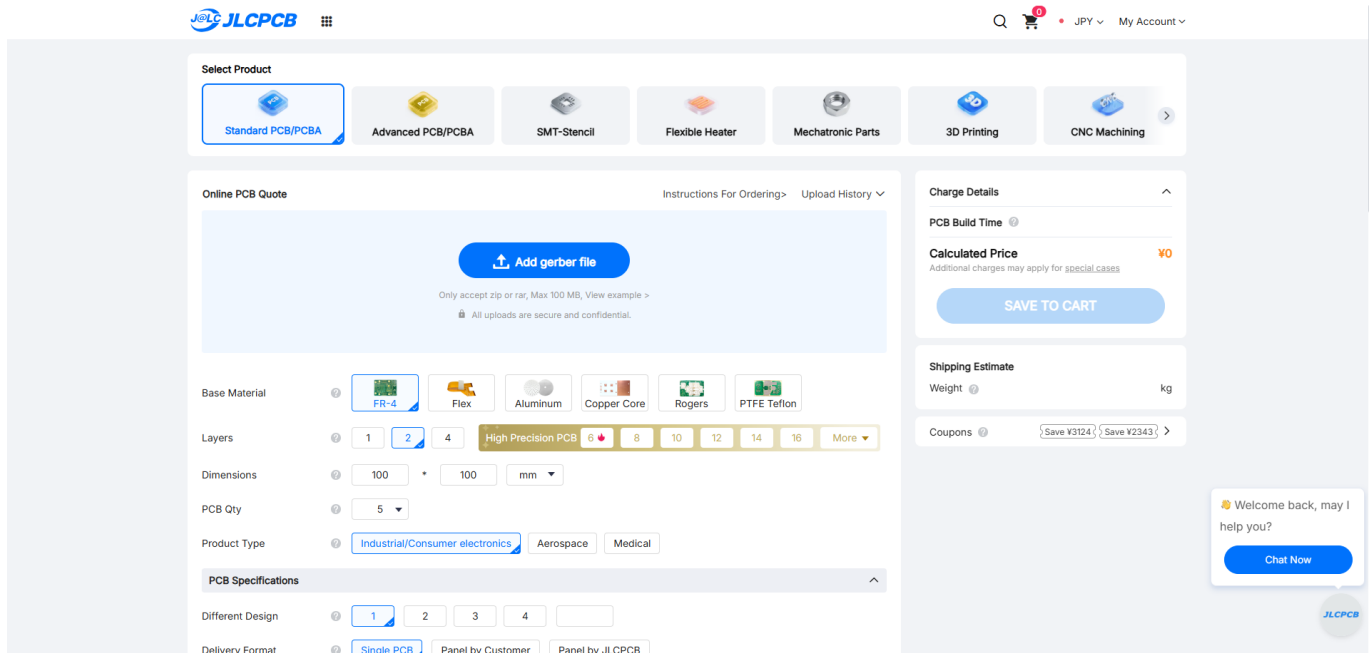
日本語訳は不正確な場合があるため、この設定を推奨



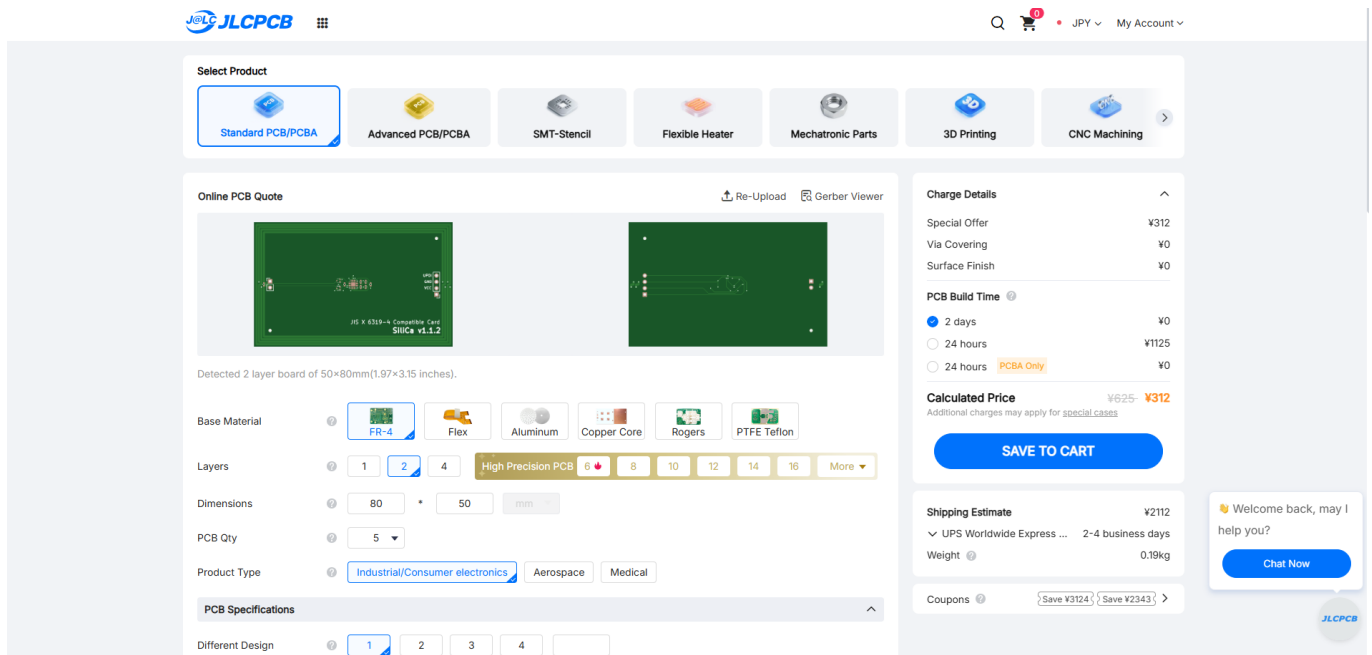
The screenshot shows a settings modal for a JLCPCB account. At the top, there are links for 'Coupons' and 'APP Download', and a currency selector set to 'JPY'. The modal contains three sections: 'Country / Region' with 'Japan' selected, 'Language' with 'English' selected, and 'Currency' with 'JPY ¥' selected. Below these sections, a note states: 'The currency you select is for reference only, payments must be made in US dollars.' At the bottom of the modal is a blue 'Save' button.

Order Nowから発注





Add gerber fileから1.1.2.zipをアップロード



個数を選択 (Economicプランでは30枚まで)

Base Material

FR-4

Flex

Aluminum

Copper Core

Rogers

PTFE Teflon

Layers

1

2

4

High Precision PCB

6

8

10

12

14

16

More

Dimensions

80

*

50

mm

PCB Qty

5

Product Type

5

10

15

20

25

30

50

75

100

125

150

200

250

300

350

400

450

500

600

700

800

900

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

6000

6500

7000

7500

8000

8500

9000

9500

10000

11000

12000

13000

14000

15000

16000

17000

18000

19000

25000

30000

40000

50000

60000

70000

Custom Qty

Confirm

PCB Specifications

Different Design

?

Delivery Format

?

PCB Thickness

?

PCB Color

?

White

Black

Silkscreen

?

Material Type

?

FR4 TG135

KB6164 - TG135

Surface Finish

?

HASL(with lead)

LeadFree HASL

ENIG

厚みは1mm、色は黒

PCB Specifications

Different Design

1

2

3

4

Delivery Format

Single PCB

Panel by Customer

Panel by JLCPCB

PCB Thickness

0.4mm

0.6mm

0.8mm

1.0mm

1.2mm

1.6mm

2.0mm

PCB Color

Green

Purple

Red

Yellow

Blue

White

Black

Silkscreen

White

Material Type

FR4 TG135

KB6164 - TG135

Surface Finish

HASL(with lead)

LeadFree HASL

ENIG

変更不要

High-spec Options ^

Outer Copper Weight

1 oz

2 oz

Via Covering

Tented

Untented

Plugged

Epoxy Filled & Capped

Copper paste Filled & Capped

Min via hole size/diameter

0.3mm/(0.4/0.45mm)

0.25mm/(0.35/0.4mm)

0.2mm/(0.3/0.35mm)

0.15mm/(0.25/0.3mm)

Board Outline Tolerance

±0.2mm(Regular)

±0.1mm(Precision)

Confirm Production file

No

Yes

Mark on PCB

Remove Mark

Order Number(Specify Position)

2D barcode (Serial Number)

Order Number

Electrical Test

Flying Probe Fully Test

Gold Fingers

No

Yes

Castellated Holes

No

Yes

Edge Plating

No

Yes

Blind Slots

No

Yes

UL Marking

No

Yes (Any Position)

Yes (Specify Position)

Via Plating Method

Not Specified

Conductive Adhesive

Horizontal Electroless Copper Plating

PCB Assemblyをチェック

Electrical Test

Flying Probe Fully Test

Gold Fingers

No

Yes

Castellated Holes

No

Yes

Edge Plating

No

Yes

Blind Slots

No

Yes

UL Marking

No

Yes (Any Position)

Yes (Specify Position)

Via Plating Method

Not Specified

Conductive Adhesive

Horizontal Electroless Copper Plating

Advanced Options ^

PCB Remark

PCB Assembly

Coupon


Assembly cost starting from \$0 with coupon>

Stencil


Order together with PCB Stencil Order Guide>

タイプがEconomicになっているか確認

Tooling holeはAdded by Customerを選択



PCB Assembly



☒ Assemble top side

☐ Assemble bottom side

PCBA Type

?

Economic

Standard

[What's the difference?](#)

Assembly Side

?

Top Side

Bottom Side

Both Sides

PCBA Qty

?

10

Tooling holes

?

Added by JLCPCB

Added by Customer

Confirm Parts Placement

?

No

Yes

Stencil Storage

?

No

Yes

Fixture Storage

?

No

Yes

Parts Selection

?

By Customer

By JLCPCB

よくわからないのでそのまま

Advanced Options

Bake Components

?

No

▼

Board Cleaning

?

No

▼

Packaging

?

Antistatic bubble fil

▼

Solder Paste

?

High temp.

▼

Add paste for unpopulated pad & step stencil opening

?

No

▼

Function test

?

No

▼

Photo Confirmation

?

No

▼

Conformal Coating (cleaning included)

?

No

▼

Depanel boards & edge rail before delivery

?

No

▼

Flying Probe Test

?

No

▼

Nitrogen reflow soldering

?

Yes (for Economic)

▼

PCBA remark

?

No

▼

☒ I agree to [the Terms and Conditions of JLCPCB assembly Service](#) .

次に進むとBOM選択になる

5 / 8

PCB

Bill of Materials

Component Placements

Quote & Order

Automatically saved, last updated on 23 November, 12:44

⬆️ Add BOM File

Only accept XLS,XLSX,CSV. [View Sample BOM](#)

⬆️ Add CPL File

Pick&Place File, Only accept XLS,XLSX,CSV. [View Sample CPL](#)

Not sure where to start? Check our [SMT FAQs page](#).

Process BOM & CPL

bom.csvとpositions.csvをアップロードする

⬆️ bom.csv

Only accept XLS,XLSX,CSV. [View Sample BOM](#)

⬆️ positions.csv

Pick&Place File, Only accept XLS,XLSX,CSV. [View Sample CPL](#)

Not sure where to start? Check our [SMT FAQs page](#).

Process BOM & CPL

BOMはこんな感じになる

ATtinyがMy Partsなのは自分の在庫から発注しているからなので気にしないで

Top Side

Total 12 parts detected | 10 Parts confirmed | 2 parts not selected

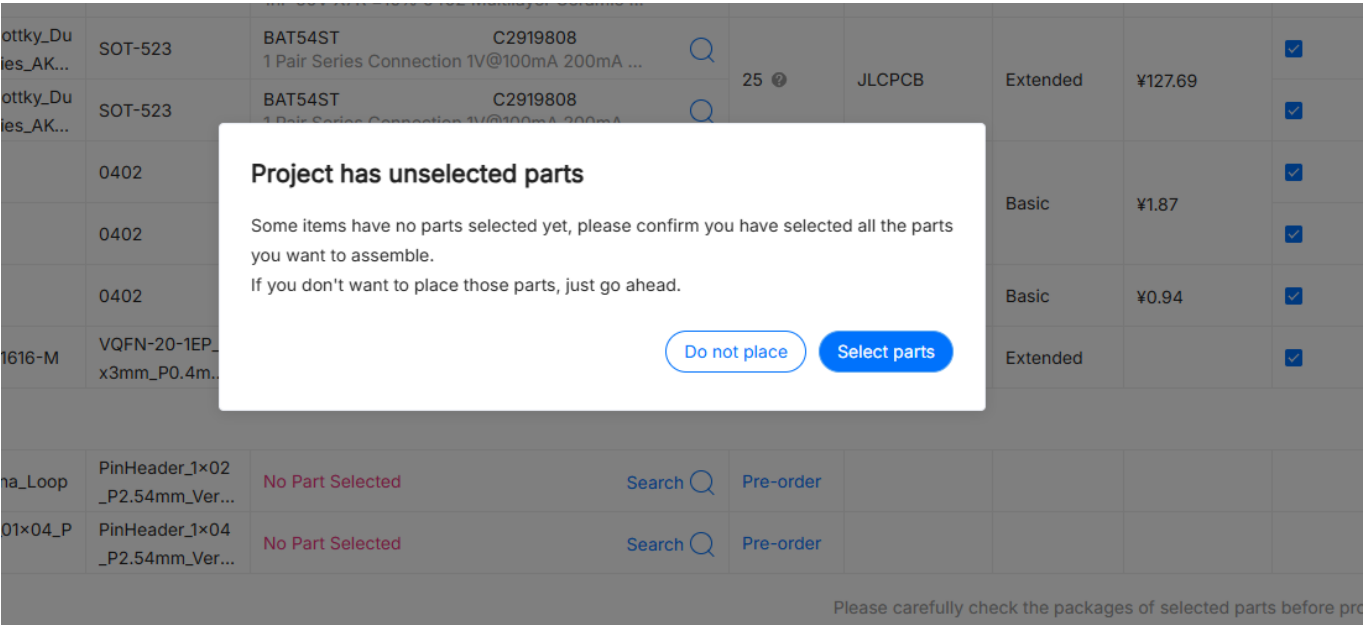
Complete File ▾

[Upload BOM/CPL](#)

⬇️

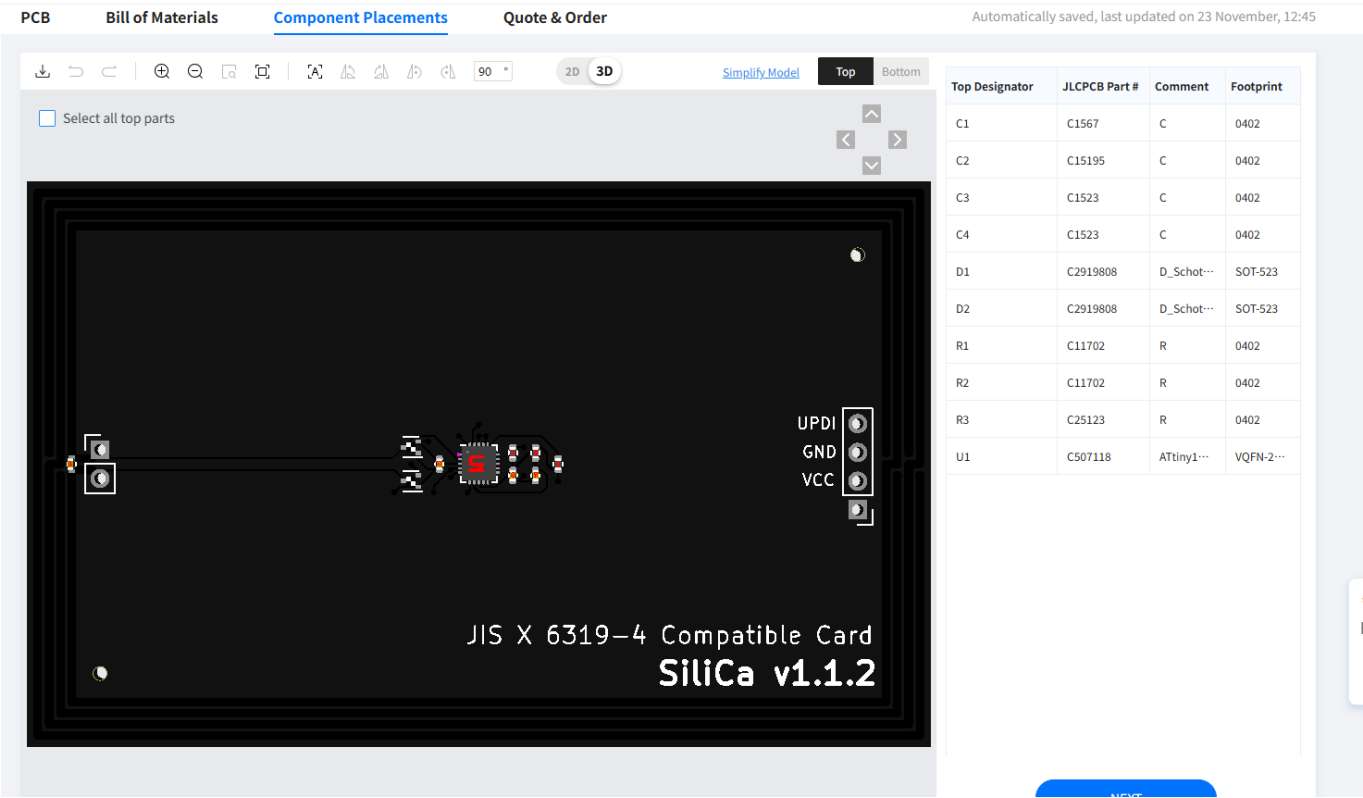
Uploaded BOM Data			Review Matched Parts						
Top Designator	Comment	Footprint	Matched Part Detail	Qty	Source	Lib Type	Total Cost	Select Ⓜ️	
C1	C	0402	0402CG470J500NT C1567 47pF 50V COG ±5% 0402 Multilayer Cerami...	10 Ⓜ️	JLPCPB	Basic	¥1.56	<input checked="" type="checkbox"/>	
C2	C	0402	CL05B103KB5NNNC C15195 10nF 50V X7R ±10% 0402 Multilayer Cerami...	10 Ⓜ️	JLPCPB	Basic	¥2.19	<input checked="" type="checkbox"/>	
C3	C	0402	0402B102K500NT C1523 1nF 50V X7R ±10% 0402 Multilayer Ceramic ...	20 Ⓜ️	JLPCPB	Basic	¥3.44	<input checked="" type="checkbox"/>	
C4	C	0402	0402B102K500NT C1523 1nF 50V X7R ±10% 0402 Multilayer Ceramic ...					<input checked="" type="checkbox"/>	
D1	D_Schottky_Du al_Series_AK...	SOT-523	BAT54ST C2919808 1 Pair Series Connection 1V@100mA 200mA ...	25 Ⓜ️	JLPCPB	Extended	¥127.69	<input checked="" type="checkbox"/>	
D2	D_Schottky_Du al_Series_AK...	SOT-523	BAT54ST C2919808 1 Pair Series Connection 1V@100mA 200mA ...					<input checked="" type="checkbox"/>	
R1	R	0402	0402WGF1001TCE C11702 -55°C~+155°C 1kΩ 50V 62.5mW Thick Film ...	20 Ⓜ️	JLPCPB	Basic	¥1.87	<input checked="" type="checkbox"/>	
R2	R	0402	0402WGF1001TCE C11702 -55°C~+155°C 1kΩ 50V 62.5mW Thick Film ...					<input checked="" type="checkbox"/>	
R3	R	0402	0402WGF5100TCE C25123 -55°C~+155°C 50V 510Ω 62.5mW Thick Film...	10 Ⓜ️	JLPCPB	Basic	¥0.94	<input checked="" type="checkbox"/>	
U1	ATtiny1616-M	VQFN-20-1EP_3 x3mm_P0.4m...	ATTINY1616-MNR C507118 1.8V~5.5V 10bit 16KB 18 20MHz 8bit AVR FL...	10 Ⓜ️	My Parts Ⓜ️	Extended		<input checked="" type="checkbox"/>	
Unmatched components									
AE1	Antenna_Loop	PinHeader_1x02 _P2.54mm_Ver...	No Part Selected	Search 🔍	Pre-order				✎
J1	Conn_01x04_P in	PinHeader_1x04 _P2.54mm_Ver...	No Part Selected	Search 🔍	Pre-order				✎

こう出るがピンヘッダが未実装なのでDo not place



マイコンの向きが合ってればヨシ

間違ってもJLCPCBのエンジニアが直してくれる



商品説明はこれで税関通らなかったことはない

Total Price:

¥3593

Weight ?

602.18g

Product Description ?

Reserch\Education\DIY\Entertainment / D

Sensor\Controller\Precision Instrument >

DIY - HS Code 902300

Office Appliance and Accessories >

✓ **Development Board - HS Code 847330**

Audio and Video Appliance >

Programmable Controller - HS Code 853890

Smart Product and Accessories >

Robot - HS Code 847990

Reserch\Education\DIY\Entertainment >

Video/TV Game Player - HS Code 950450

Household Appliance >

Toy - HS Code 950300

あとは発送業者を選んで支払うだけ

アカウントを登録したてだと豊富にクーポンがあるかもしれないので使っとくのが吉