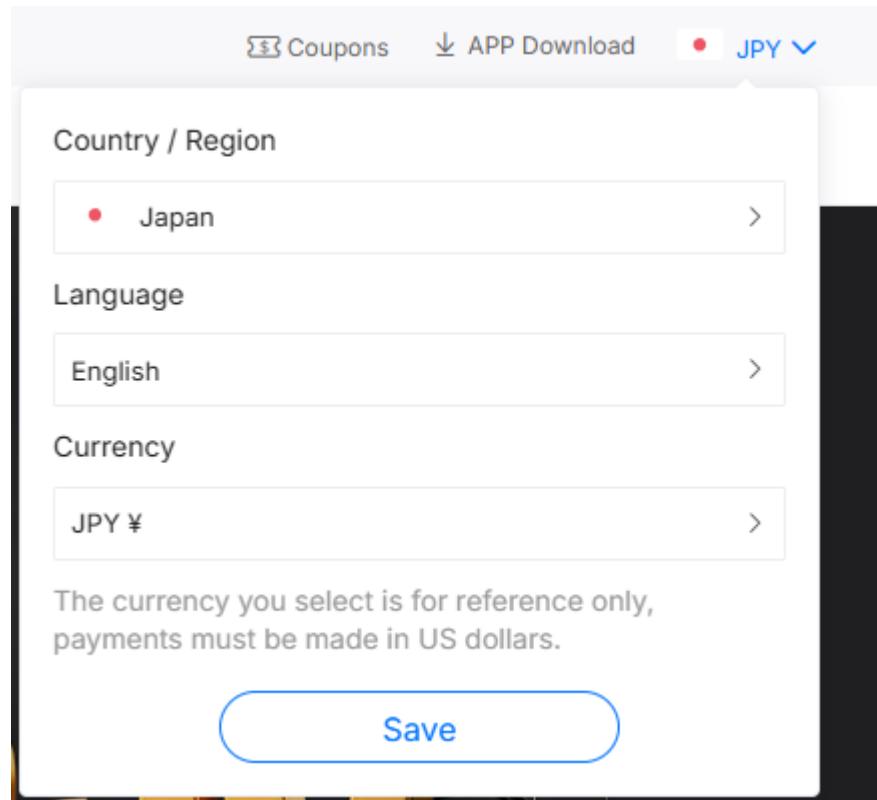


SiliCaの発注手順

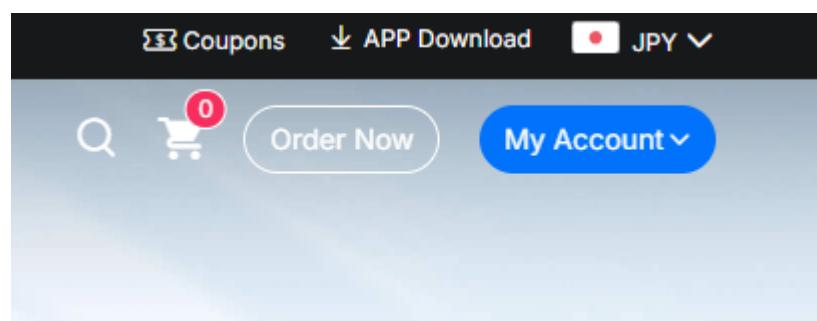
JLCPCBでアカウントを作ります

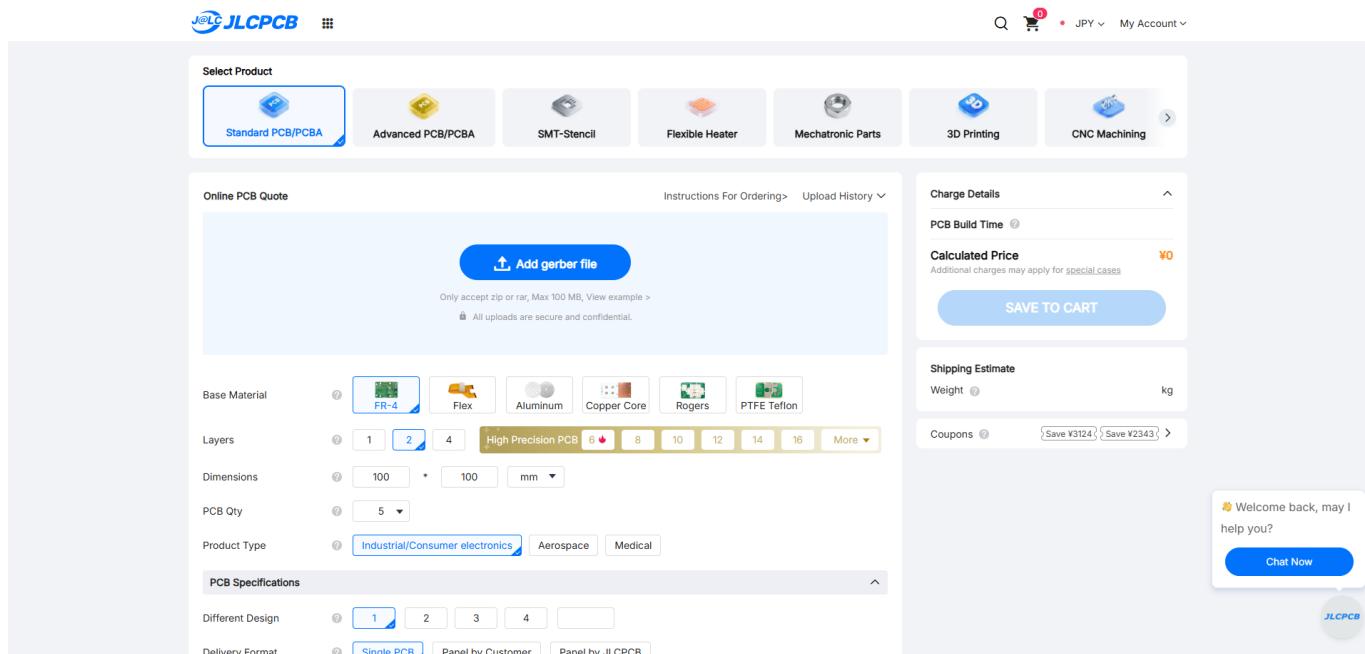
<https://jlpcpcb.com/>

日本語訳は不正確な場合があるため、この設定を推奨

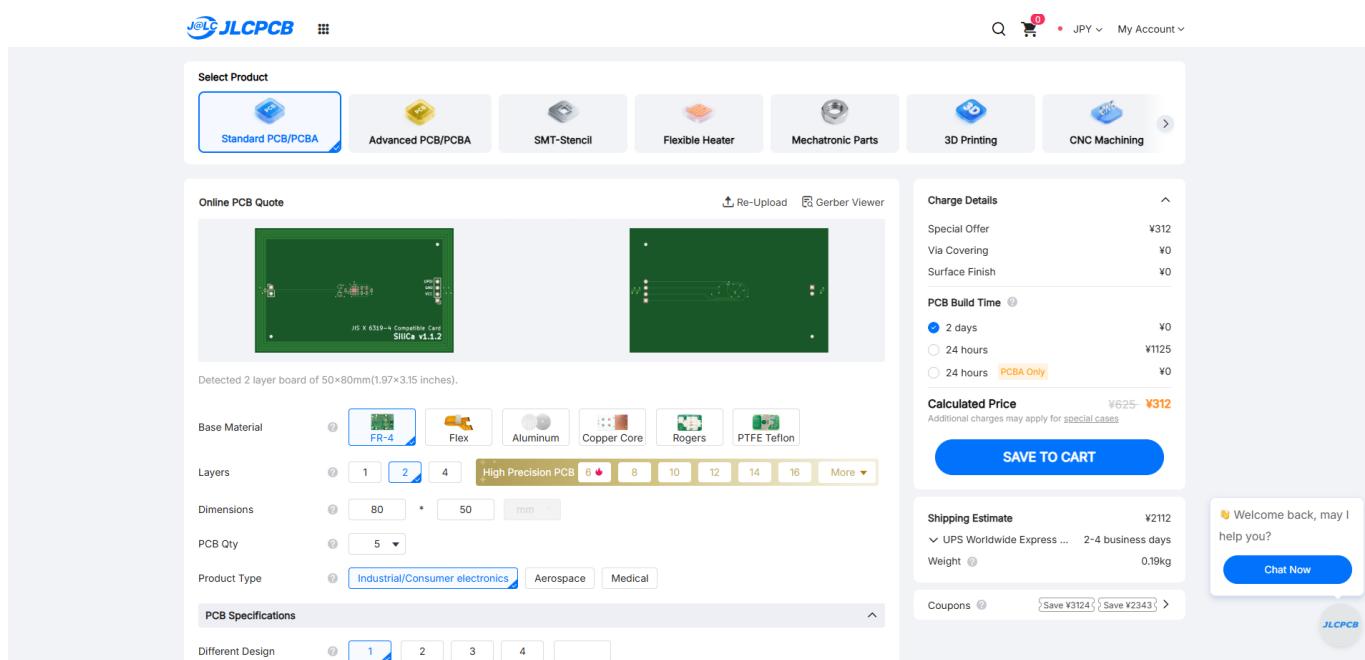


Order Nowから発注





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

Layers

Dimensions

PCB Qty

Product Type

PCB Specifications

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

Material Type

Surface Finish

PCB Specifications

1	2	3	4			
Single PCB	Panel by Customer	Panel by JLCPCB				
0.4mm	0.6mm	0.8mm	1.0mm	1.2mm	1.6mm	2.0mm
Green	Purple	Red	Yellow	Blue	White	Black
White						
FR4 TG135	KB6164 - TG135					
HASL(with lead)	LeadFree HASL	ENIG				

厚みは1mm、色は黒

PCB Specifications

Different Design

Delivery Format

PCB Thickness

PCB Color

Silkscreen

Material Type

Surface Finish

変更不要

High-spec Options

Outer Copper Weight	<input type="radio"/> 1 oz	<input type="radio"/> 2 oz			
Via Covering	<input type="radio"/> Tented	<input type="radio"/> Untented	<input type="radio"/> Plugged	<input type="radio"/> Epoxy Filled & Capped	<input type="radio"/> Copper paste Filled & Capped
Min via hole size/diameter	<input type="radio"/> 0.3mm/(0.4/0.45mm)	<input type="radio"/> 0.25mm/(0.35/0.4mm)	<input type="radio"/> 0.2mm/(0.3/0.35mm)	<input type="radio"/> 0.15mm/(0.25/0.3mm)	
Board Outline Tolerance	<input type="radio"/> ±0.2mm(Regular)	<input type="radio"/> ±0.1mm(Precision)			
Confirm Production file	<input type="radio"/> No	<input type="radio"/> Yes			
Mark on PCB	<input type="radio"/> Remove Mark	<input type="radio"/> Order Number(Specify Position)	<input type="radio"/> 2D barcode (Serial Number)	<input type="radio"/> Order Number	
Electrical Test	<input type="radio"/> Flying Probe Fully Test				
Gold Fingers	<input type="radio"/> No	<input type="radio"/> Yes			
Castellated Holes	<input type="radio"/> No	<input type="radio"/> Yes			
Edge Plating	<input type="radio"/> No	<input type="radio"/> Yes			
Blind Slots	<input type="radio"/> No	<input type="radio"/> Yes			
UL Marking	<input type="radio"/> No	<input type="radio"/> Yes (Any Position)	<input type="radio"/> Yes (Specify Position)		
Via Plating Method	<input type="radio"/> Not Specified	<input type="radio"/> Conductive Adhesive	<input type="radio"/> Horizontal Electroless Copper Plating		

PCB Assemblyをチェック

Electrical Test	<input type="radio"/> Flying Probe Fully Test		
Gold Fingers	<input type="radio"/> No	<input type="radio"/> Yes	
Castellated Holes	<input type="radio"/> No	<input type="radio"/> Yes	
Edge Plating	<input type="radio"/> No	<input type="radio"/> Yes	
Blind Slots	<input type="radio"/> No	<input type="radio"/> Yes	
UL Marking	<input type="radio"/> No	<input type="radio"/> Yes (Any Position)	<input type="radio"/> Yes (Specify Position)
Via Plating Method	<input type="radio"/> Not Specified	<input type="radio"/> Conductive Adhesive	<input type="radio"/> Horizontal Electroless Copper Plating

Advanced Options

PCB Remark

PCB Assembly  Assembly cost starting from \$0 with coupon>

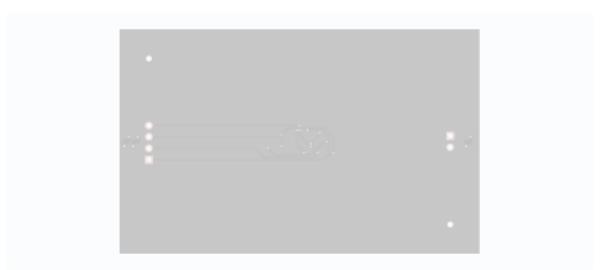
Stencil  Order together with PCB Stencil Order Guide>

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

COUPON Assembly cost starting from \$0 with coupon>

Assemble top side Assemble bottom side

PCBA Type	<input type="radio"/> Economic <input checked="" type="radio"/> Standard What's the difference?
Assembly Side	<input type="radio"/> Top Side <input checked="" type="radio"/> Bottom Side <input type="radio"/> Both Sides
PCBA Qty	<input type="radio"/> 10 <input checked="" type="radio"/> 100 What's the difference?
Tooling holes	<input type="radio"/> Added by JLPCB <input checked="" type="radio"/> Added by Customer
Confirm Parts Placement	<input type="radio"/> No <input checked="" type="radio"/> Yes
Stencil Storage	<input type="radio"/> No <input checked="" type="radio"/> Yes
Fixture Storage	<input type="radio"/> No <input checked="" type="radio"/> Yes
Parts Selection	<input type="radio"/> By Customer <input checked="" type="radio"/> By JLPCB

よくわからないのでそのまま

Advanced Options

Bake Components	<input type="radio"/> No <input checked="" type="radio"/> Yes	Photo Confirmation	<input type="radio"/> No <input checked="" type="radio"/> Yes
Board Cleaning	<input type="radio"/> No <input checked="" type="radio"/> Yes	Conformal Coating (cleaning included)	<input type="radio"/> No <input checked="" type="radio"/> Yes
Packaging	<input type="radio"/> Antistatic bubble fil <input checked="" type="radio"/> Other	Depanel boards & edge rail before delivery	<input type="radio"/> No <input checked="" type="radio"/> Yes
Solder Paste	<input type="radio"/> High temp. <input checked="" type="radio"/> Low temp.	Flying Probe Test	<input type="radio"/> No <input checked="" type="radio"/> Yes
Add paste for unpopulated pad & step stencil opening	<input type="radio"/> No <input checked="" type="radio"/> Yes	Nitrogen reflow soldering	<input type="radio"/> No <input checked="" type="radio"/> Yes (for Economic)
Function test	<input type="radio"/> No <input checked="" type="radio"/> Yes	PCBA remark	<input type="radio"/> No <input checked="" type="radio"/> Yes

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

次に進むとBOM選択になる

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

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

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 Ceramic...	Q 10	JLCPCB	Basic	¥1.56	<input checked="" type="checkbox"/>	
C2	C	0402	CL05B103KB5NNNC C15195 10nF 50V X7R ±10% 0402 Multilayer Ceramic...	Q 10	JLCPCB	Basic	¥2.19	<input checked="" type="checkbox"/>	
C3	C	0402	0402B102K500NT C1523 1nF 50V X7R ±10% 0402 Multilayer Ceramic ...	Q 20	JLCPCB	Basic	¥3.44	<input checked="" type="checkbox"/>	
C4	C	0402	0402B102K500NT C1523 1nF 50V X7R ±10% 0402 Multilayer Ceramic ...	Q 20	JLCPCB	Basic	¥3.44	<input checked="" type="checkbox"/>	
D1	D_Schottky_Dual_Series_AK...	SOT-523	BAT54ST C2919808 1 Pair Series Connection 1V@100mA 200mA ...	Q 25	JLCPCB	Extended	¥127.69	<input checked="" type="checkbox"/>	
D2	D_Schottky_Dual_Series_AK...	SOT-523	BAT54ST C2919808 1 Pair Series Connection 1V@100mA 200mA ...	Q 25	JLCPCB	Extended	¥127.69	<input checked="" type="checkbox"/>	
R1	R	0402	0402WGF1001TCE C11702 -55°C~+155°C 1kΩ 50V 62.5mW Thick Film ...	Q 20	JLCPCB	Basic	¥1.87	<input checked="" type="checkbox"/>	
R2	R	0402	0402WGF1001TCE C11702 -55°C~+155°C 1kΩ 50V 62.5mW Thick Film ...	Q 20	JLCPCB	Basic	¥1.87	<input checked="" type="checkbox"/>	
R3	R	0402	0402WGF5100TCE C25123 -55°C~+155°C 50V 510Ω 62.5mW Thick Film...	Q 10	JLCPCB	Basic	¥0.94	<input checked="" type="checkbox"/>	
U1	ATTiny1616-M	VOFN-20-1EP_3x3mm_P0.4mm...	ATTINY1616-MNR C507118 1.8V~5.5V 10bit 16KB 18 20MHz 8bit AVR FL...	Q 10	My Parts	Extended		<input checked="" type="checkbox"/>	
Unmatched components									
AE1	Antenna_Loop	PinHeader_1x02_P2.54mm_Ver...	No Part Selected	Search Q	Pre-order				
J1	Conn_01x04_Pin	PinHeader_1x04_P2.54mm_Ver...	No Part Selected	Search Q	Pre-order				

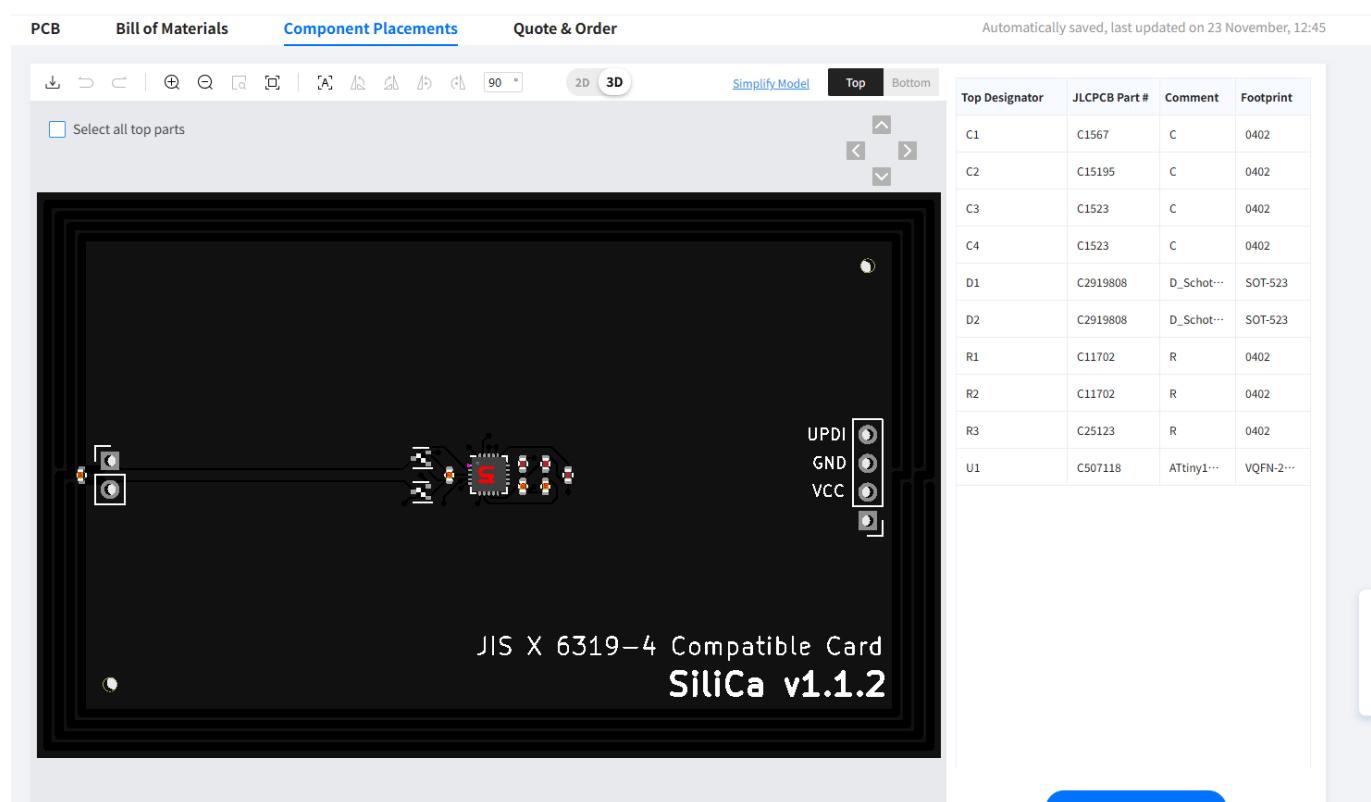
こう出るがピンヘッダが未実装なだけなのでDo not place

ottky_Du ies_AK...	SOT-523	BAT54ST C2919808 1 Pair Series Connection 1V@100mA 200mA ...		25	JLCPCB	Extended	¥127.69	<input checked="" type="checkbox"/>
ottky_Du ies_AK...	SOT-523	BAT54ST C2919808 1 Pair Series Connection 1V@100mA 200mA ...						<input checked="" type="checkbox"/>
	0402	Project has unselected parts Some items have no parts selected yet, please confirm you have selected all the parts you want to assemble. If you don't want to place those parts, just go ahead.						<input checked="" type="checkbox"/>
	0402							<input checked="" type="checkbox"/>
	0402							<input checked="" type="checkbox"/>
I616-M	VQFN-20-1EP_x3mm_P0.4m.							<input checked="" type="checkbox"/>
na_Loop	PinHeader_1x02 _P2.54mm_Ver...	No Part Selected	Search	Pre-order				
01x04_P	PinHeader_1x04 _P2.54mm_Ver...	No Part Selected	Search	Pre-order				

Please carefully check the packages of selected parts before pro...

マイコンの向きが合ってればヨシ

間違ってても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	>	Toys - HS Code 950200

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