

TATA-340-PP40 MCU ORDERING STEPS AND FILES

Note : This document contains MCU ordering procedure with PCB POWER

AARTECH SOLONICS LIMITED



Document V.0.1

DATE : 15-07-2024

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ASL-240

Step 1 : Open PCB POWER & login with credentials

Link : www.pcbpower.com

Step 2 : Go to Get Quote

Link : <https://www.pcbpower.com/page/pcb-fabrication>

Step 3 : Fill the details

PCB Name : TATA-MCU-V.0.3-PROD

PCB Assembly : Yes

Dispatch Unit : Single Board

Board Size : 80 x 80 mm

PCB Qty : 9

Material : FR4

Layer : 2 Layer

Board Thickness : 1.6mm

Surface Finish : HAL (Sn-Pb)

Temperature Gradient : Middle Tg (150 C)

The screenshot shows the 'Get Quote' form on the PCB POWER website. The form is organized into several sections with labels and input fields. The 'PCB Name' field contains 'TATA-MCU-V.0.3-PROD'. The 'PCB Assembly' section has 'Yes' selected. The 'Dispatch Unit' section has 'Single Board' selected. The 'Board Size' section shows '80' x '80' mm. The 'PCB Qty' field contains '9'. The 'Material' dropdown is set to 'FR4'. The 'Layer' dropdown is set to '2 Layer'. The 'Board Thickness' dropdown is set to '0.063"/1.6mm'. The 'Surface Finish' dropdown is set to 'HAL'. The 'Temperature Gradient' section has three buttons: 'Std. Tg (130-140 °)', 'Middle Tg (150 °)' (which is highlighted in green), and 'High Tg (>= 170 °)'.

PCB Name: * ⓘ TATA-MCU-V.0.3-PROD

PCB Assembly: * Yes No

Dispatch Unit: * ⓘ Single Board Panel

Board Size: * ⓘ 80 X 80 mm

PCB Qty: * 9

Material: * ⓘ FR4

Layer: * ⓘ 2 Layer

Board Thickness: * 0.063"/1.6mm

Surface Finish: * HAL

Temperature Gradient: Std. Tg (130-140 °) Middle Tg (150 °) High Tg (>= 170 °)

Technology :

Finish Cu Thickness : 90.00(u)/3oz

Leave other unchanged

Solder Mask Top : Green

Solder Mask Bottom : Green

Legend Top : White

Legend Bottom : White

Peel Off : No

Countersunk : No

Impedance Control : No

Via Fill : No

Technology

Finish Cu Thickness:

35.00(μ)/1oz

60.00(μ)/2oz

90.00(μ)/3oz

130.00μ/4oz

Inner Cu Thickness:

0

Solder Mask Top:

Green

Solder Mask Bottom:

Green

Legend Top:

No Legend

White

Black

Legend Bottom:

No Legend

White

Black

Peel Off:

No

Bottom side

Top side

Both side

Counter Sunk:

PTH countersunk

NPTH countersunk

No

Impedance Control:

No

Yes

Via Fill:

No

Yes

Additional Options : Leave this section unchanged

Additional Options

Carbon Contacts:

No

Bottom side

Top side

Both side

Hard Gold:

−

0

+

Manufacturer's Logo: ⓘ

No

Yes

Serialization For PCB:

No

Yes

Round Edge Plating:

No

Yes

Bevelling:

No

Yes

UL Sign:

No

Yes

Date Code:

No

Yes

Data Approval: ⓘ

No

Yes

ET Symbol:

No

Yes

Microsection Report:

No

Yes

Quality Standard:

IPC-600A-CLASS-II

▼

Assembly Options :

Component Sourcing : Consigned (You supply parts)

Assembly Qty (PCB) : 9

Nr of Through Hole Component / PCB : 11

Nr of SMD Components / PCB: 46

Conformal Coating : No

Nr of BGA/QFN/LGA Components / PCB : 0

Assembly Side : Both

Stencil Side : Both

Assembly Options

Component Sourcing:

Opt for Turnkey or Combo mode & experience added value with our complimentary generic components! Refer to the BOM upload section for more details.

Turnkey
PCB Power supply parts

Combo
You supply some parts we do the rest

Consigned
You supply parts

Assembly Qty(PCB):
9

Nr of Thorough Hole Component / PCB: *
11

Nr of SMD Components / PCB: *
46

Nr of BGA/QFN/LGA Components / PCB: *
0

Total Nr of Components / PCB:
57

Conformal Coating:

No

Yes

Assembly Side :

Top

Bottom

Both

Stencil Side: *

Top

Bottom

Top & Bottom

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PCB Production Lead Time : 3-Working Days

PCB Assembly Lead Time : 3-Working Days

Add files from Fabrication folder

File Link :

<https://trello.com/c/1pVZgULd/109-mcu-card#comment-6694d4ca4ae714e68615804d>

Gerber Data : Add zip file from the folder consist of Gerber and Drill data

BOM : Add BOM file shared in xls or csv format

Pick & Place : Add in csv format

Name	Date modified	Type	Size
Today			
Gerber & Drill.zip	15-07-2024 01:43 PM	Compressed (zipp...	123 KB
BOM	15-07-2024 01:42 PM	File folder	
pick & place	15-07-2024 01:42 PM	File folder	

PCB Production Lead Time:
3 Working Days

PCB Assembly Lead Time:
3 Working Days

Gerber Data: *

ZIP

Add To cart

Bill of Material: *

XLSX

Download a Sample File [From Here](#)

Supercharge your assembly at no extra cost! Opt for Turnkey or Combo component sourcing to get our complimentary generic components.

Generate offer

Pick & Place: *

CSV

Download a Sample File [From Here](#)

Note :

1. In case of any doubt please contact your RH.
2. This document is prepared on 15-07-2024, if pcb power updates the website please discuss with the designer for order placement.
3. Please re-check every information/detail filled in the above document, They may be different in your case.
4. In case of any exception, Please contact the designer or handle them after discussing with PCB power.
5. Exception Examples :
 - a. Via on pads, There are some vias placed in pads. In case of this exception confirm PCB power to go with the fabrication.