



Adapter for Arduino HBI0289 PCB Constraints

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Abstract

Board: **HBI-0289A**

This document defines the PCB layer stack-up and board finish for the ARM HPI-0289A Adapter for Arduino board for the MPS2+ platform.

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1 PCB INFORMATION AND REQUIREMENTS

This section defines the physical and electrical design of the Printed Circuit Board. These should be defined with the PCB Vendor prior to manufacture.

1.1 Layers and Traces

Stack-up type:	Standard
Number of Layers:	4
Signals:	2
Planes:	2
Minimum Track/Gap:	6/6thou
Copper weight:	1 oz

1.2 Finished Board

Surface finish:	Nickel Gold
Resist Colour:	GREEN
Text Colour:	White

1.3 Dimensions

X	138 mm
Y	60 mm
Board Thickness	1.6 mm

1.4 Trace Impedance

Impedance controlled traces on board?	YES
Details:	50 Ohm single ended (L2/L3)

1.5 Minimum Drill and Via sizes

Standard Through	Drill: 10 thou Pad: 19 thou
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1.6 Layer Stack-up

1.6.1 Vendor's manufacturing stack-up

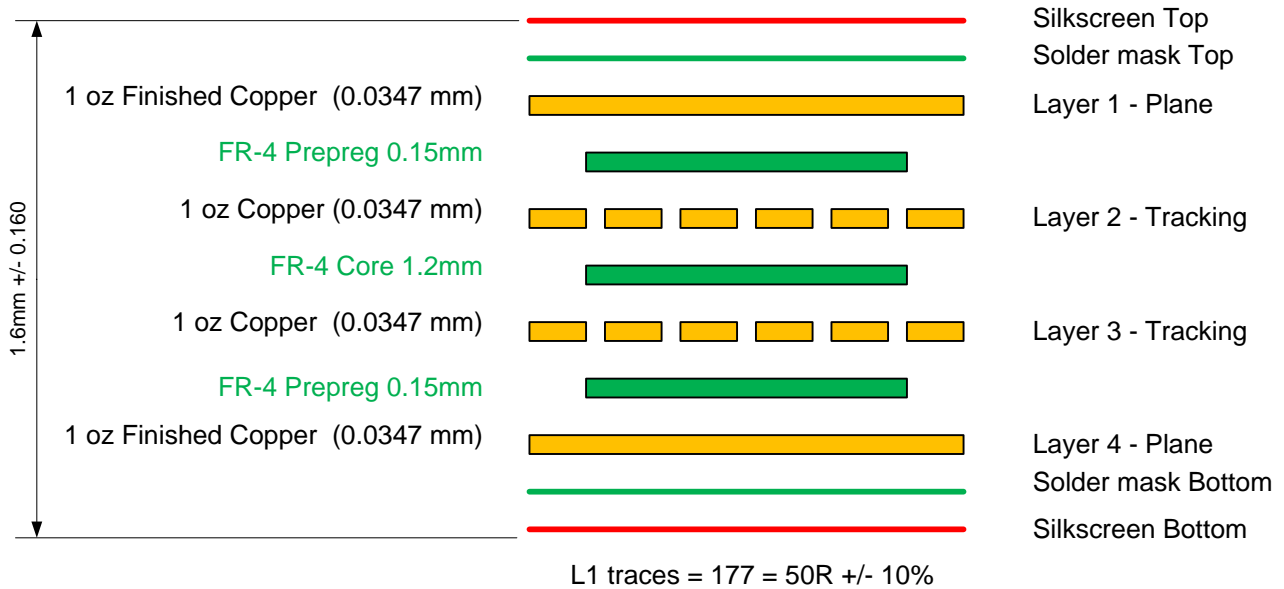


Figure 1-1, PCB stack diagram