

Quick Guide DA914x Evaluation Board

1 Quick Start

This guide helps to get started with the DA914x Customer Evaluation Board (EVB).

Before using the EVB it is recommended to verify that the four banana plugs are properly tightened (150N.cm max. recommended), as they can come loose during shipping.

The floor plan of the EVB in [Figure 1](#) helps to locate the input and output plugs as well as the jumper default positions.

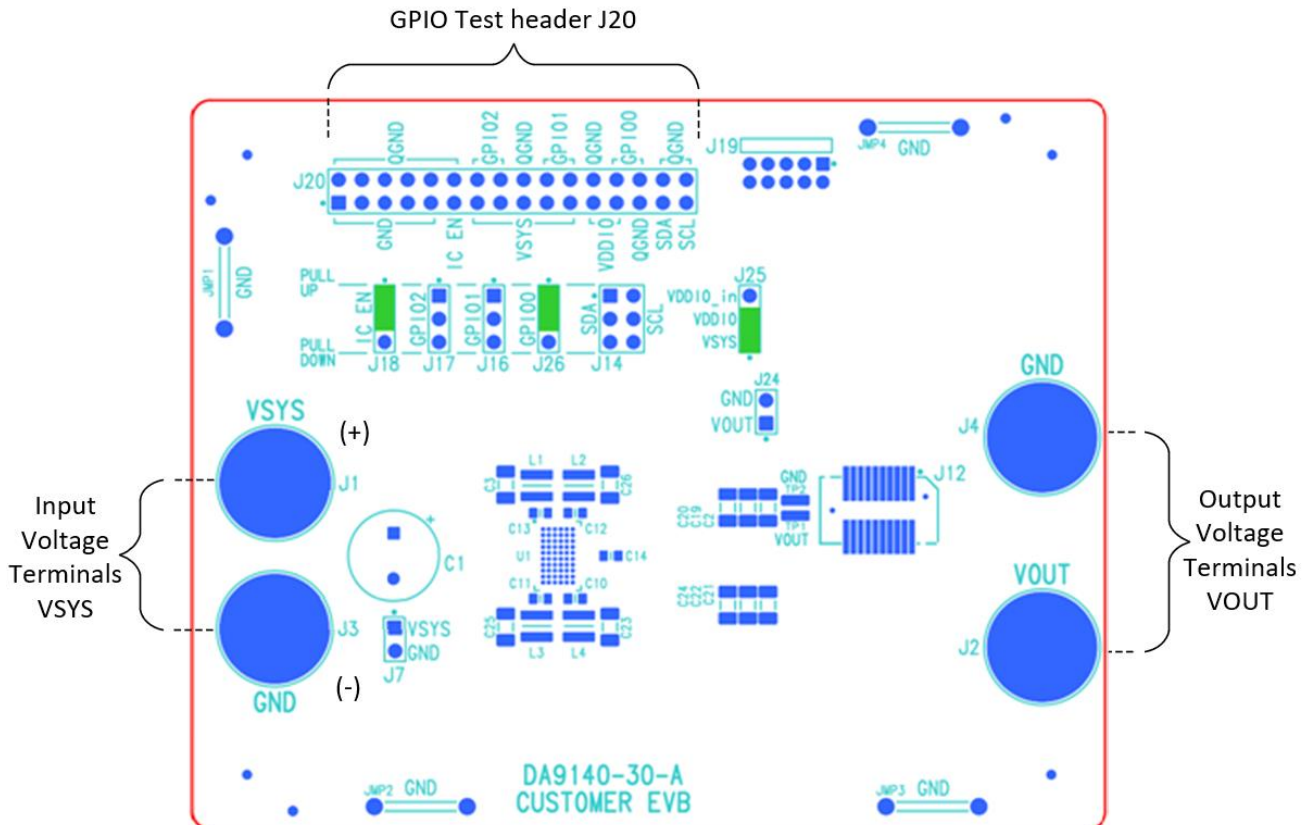


Figure 1: DA914x-30 Jumpers and Headers Location

The default jumper positions from the table below are highlighted green in [Figure 1](#) above.

Table 1: Jumpers and Headers Overview

Connection	Description	Information	Location
J18	IC_EN	Jumper fitted to pull-up position	Left of EVB
J25	VSYS - VDDIO	Jumper fitted to VDDIO - VSYS position	Right of EVB
J1	VSYS	Supply from PSU, 3.3V - 20A recommended	Left of EVB
J3	GND		
J7	VSYS sense	PSU remote sensing	Left of EVB
J2	VOUT	Buck converter output	Right of EVB
J4	GND		
J24	VOUT sensing	For probing or eLoad remote sensing	Middle of EVB

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1.1 Instruction

The recommended jumper configuration is depicted in [Table 1](#). IC_EN needs to be on pull-up position and VDDIO connected to VSYS. A power supply can be connected to VSYS (J2, positive) and GND (J3, return). The supply voltage should be set to 3.3V. The current capability should be at least 10A. A PSU with kelvin sensing capability is preferred in case a load is connected to the buck output. The sense wires of the PSU can be connected to terminal J7. The output voltage can be measured between VOUT (J2) and GND (J4).

Fit the heatsink to the device if supplied with the package.

Further information can be found on the web site [general-purpose-power-management-ics-pmics](https://www.renesas.com/en/general-purpose-power-management-ics-pmics)

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