

Product Change Note (PCN)

EAC00462 / EAC00470



The Art of Embedded Systems Development – **made Easy™**

To Our Valued Customers,

This PCN affects our iMX93 uCOM board (product number: EAC00462 and EAC00470).

Four I2C-GPIOs have changed to push-pull output-only on rev A boards. See table below for details.

Affected pin		iMX93 uCOM, rev PA1	iMX93 uCOM, rev A
JC pin 15	I2C-GPIO#19, connected to I2C2 GPIO-expander, pin IO2_3	A bidirectional 1.8V signal, created from a 3.3V signal via a 15K/18Kohm voltage divider. An input signal would see 18Kohm input impedance to ground. An output signal would have 8Kohm output impedance.	This is a 1.8V push-pull output-only signal.
JC pin 17	I2C-GPIO#18, connected to I2C2 GPIO-expander, pin IO2_2	A bidirectional 1.8V signal (via voltage translator). The signal has a 10Kohm pull-up resistor to 1.8V.	This is a 1.8V push-pull output-only signal.
JC pin 23	I2C-GPIO#20, connected to I2C2 GPIO-expander, pin IO2_4	A bidirectional 1.8V signal, created from a 3.3V signal via a 15K/18Kohm voltage divider. An input signal would see 18Kohm input impedance to ground. An output signal would have 8Kohm output impedance.	This is a 1.8V push-pull output-only signal.
JC pin 25	I2C-GPIO#12, connected to I2C2 GPIO-expander, pin IO1_4	A bidirectional 1.8V signal (via voltage translator). The signal has a 10Kohm pull-up resistor to 1.8V.	This is a 1.8V push-pull output-only signal.

Product Change Note (PCN)

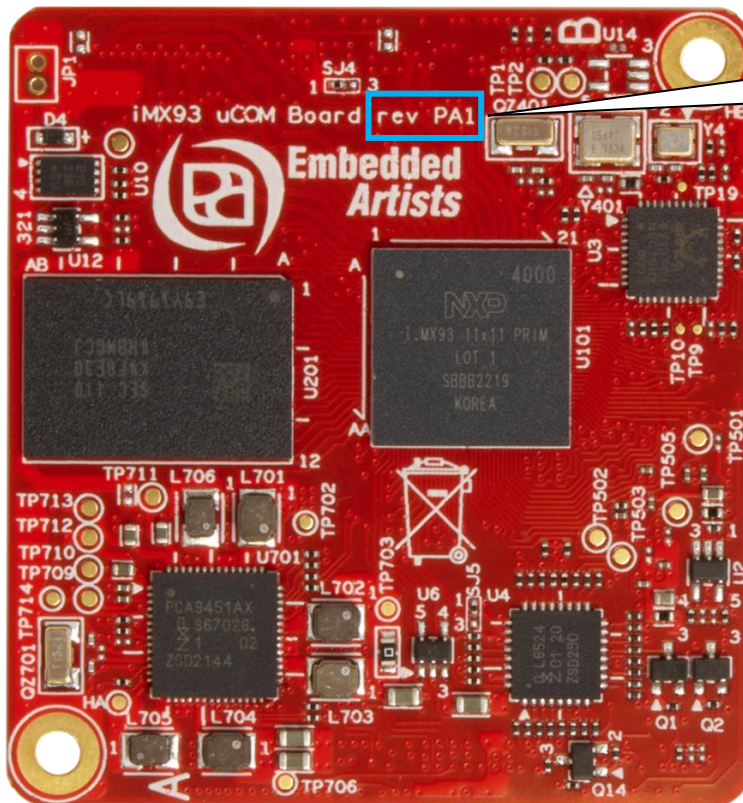
EAC00462 / EAC00470



The Art of Embedded Systems Development – **made Easy™**

Identification

All boards have a revision test on the top side. Below is a picture of the old “rev PA1” board. On newer boards, with changed I2C-GPIOs, the board revision would be “rev A”, or later. Rev A boards are first produced in April 2025.



Marking on top side. The board revision (rev PA1 in this case).

Kind Regards,
Embedded Artists AB
March 5th, 2025