



Azoteq Product Change Notice: IQS550, IQS572, IQS525

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1 Azoteq change notification policy

Azoteq appreciates that our customers often have long product life cycles. As Azoteq values our customers' needs, we try to keep our products in production for as long as possible. There are, however, legal, environmental or performance requirements that will sometimes necessitate the need for a running change to a part. We weigh this very carefully against the inconvenience caused to customers already in production.

This specific change, however, does not affect the product application in any way. It is just an ordering and labelling adjustment. The ordering part number and the change in the product labelling must simply be brought to the customers' attention.

2 Detailed description of changes

Azoteq have changed the part numbers of the IQS5xx devices from 'A000' to 'BL'. This is to distance the touch controller purchased from any specific product firmware release, such as the IQS5xx-A000 or IQS5xx-B000. The 'BL' indicates that the device is pre-programmed with an I²C bootloader (BL). The application firmware is then programmed by the end customer during product testing and manufacturing, making the part number and controller more generic for any future application firmware.

On the IQS5xx-B000 (the latest Azoteq trackpad controller platform), the customer already creates a custom HEX file, including the required setup and tuning parameters for that specific hardware. This then needs to be programmed onto the device, negating any application firmware that is already pre-programmed on the controller. For more details see http://www.azoteq.com/images/stories/pdf/iqs5xx-b000_trackpad_datasheet.pdf.

Part number update

Here is a table showing the part number change for all three controllers in the IQS5xx family.

Table 2.1 Part Number Change

Old part	New part
IQS525A000QNR	IQS525BLQNR
IQS572A000QNR	IQS572BLQNR
IQS550A000QNR	IQS550BLQNR

2.2 Software changes



There are no software changes.

The 'BL' product ships with the bootloader, and also with the older 'A000' trackpad firmware, exactly as the 'A000' product currently does. So the 'BL' is identical to the 'A000' in all aspects. Customers using other firmware (such as the preferred 'B000' platform) will simply bootload program this onto the flash device.

2.3 Internal hardware changes

There are no hardware changes.

2.4 External hardware (mechanical) changes

2.4.1 Chip marking

There is no change to chip marking

2.4.2 Labelling

The label on the reel and also on the vacuum sealed bag, have changed as shown in the picture below:



Figure 2.2 New IQS550 label

This is an example of the IQS550 label, with the IQS572 and IQS525 being similar with their relevant IQS5xxBLQNR part numbers updated.

3 Impact on customer products

There will be no impact on customer products, since this is just re-branding of the exact same device currently being used.

4 Recommended action

4.1 Incoming inspection

The customer will need to be aware of the part number change, and any incoming inspection on the parts will need to be updated with the new label details that would be observed on both the reel and the vacuum seal packaging.

4.2 Ordering / PO details

Future purchasing details must be updated to reflect the new part number for the required IQS5xx device, using the codes from Table 2.1.

5 Reference documents/attachments

http://www.azoteq.com/images/stories/pdf/iqs5xx-b000_trackpad_datasheet.pdf



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