



Product Change Notification

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REV NO.	REV. DATE	CONTENTS	REMARKS
1.0	2024-05-06	First Release	

Notification

This notice is to inform our customers of an update to the touch controller due to the EOL of FT5446DQS.

The new touch controller FT5446U is validated and proven to be a compatible replacement for FT5446DQS.

The change will not affect the customer’s hardware on end-customer’s application.

However, please be aware that the chip ID is different between 2 ICs, which may require software configuration depending on final application requirement.

All new modules will be fully compatible as to the interface connection and touch performance.

PN of the module will remain unchanged, we’ll be implementing internal tracking system for the touch panel revision.

NO	Affected PNs	Note
1	Standard 4.3” RGB, TN, CTP	https://riverdi.com/product-category/rgb-lvds-mipi-dsi-lcd-displays/standard-brightness-displays?_sft_pa_size-inch=4-3&_sft_pa_interfaces=rgb&_sft_pa_touch-screen-shape=uxtouch,atouch
2	Standard 4.3” FT80x (EVE1), TN, CTP	https://riverdi.com/product-category/intelligent-displays/ft80x?_sft_pa_size-inch=4-3&_sft_pa_touch-screen=projected-capacitive-touch-panel
3	Standard 4.3” BT81x (EVE3), TN, CTP	https://riverdi.com/product-category/intelligent-displays/bt81x?_sft_pa_size-inch=4-3&_sft_pa_touch-screen=projected-capacitive-touch-panel
4	Standard 4.3”SSD1963, TN, CTP	https://riverdi.com/product-category/intelligent-displays/ssd1963-modules?_sft_pa_size-inch=4-3&_sft_pa_touch-screen=projected-capacitive-touch-panel



Detailed change description:

The table below describes the differences in detail between 2 touch ICs.

Model		FT5446DQS (Old version)	FT5446U (New version)
No. Item			
Supplier chip ID		0x5422	0x5456
Power consumption	Normal operation mode ⁽¹⁾	typ. 11 mA	typ. 9.8 mA
	Monitor mode ⁽¹⁾	typ. 0.34 mA	typ. 0.5 mA
	Sleep mode ⁽¹⁾	typ. 42 μ A	typ. 75 μ A
Resolution		1280*768	
Channels		The same for both versions: TX12*RX20	
IIC address		The same for both versions: 0x70 default	
Memory		The same for both version: 64KB	
Timing characteristics		The same for both versions: Please refer to the datasheet for more detail.	

⁽¹⁾Measurements conditions: VDD3 = 3V, Ta=25°C,

