

RB5P0070M

Video Interface ICs for TFT-LCDs

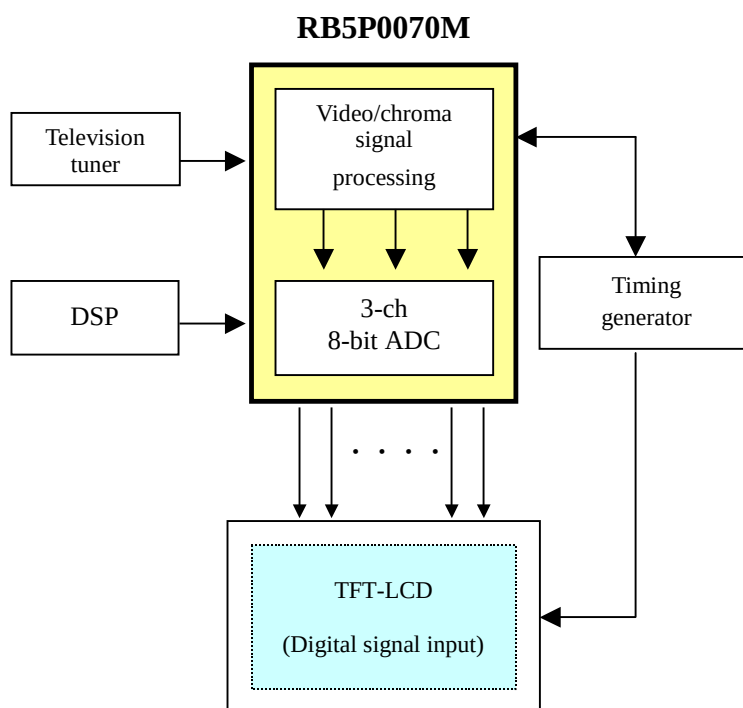
< Outline >

The RB5P0070M is a video interface IC that can be adapted for use with digital TFT color liquid crystal display equipment, and because it can be used with composite video, Y/C, and analog RGB signal input, it is highly suited to systems that display television images, such as car navigation and portable DVD players.

< Main Specifications >

- For digital signal input TFT-LCD panel
- Built-in composite video input signal, Y/C input signal, analog RGB input signal.
- Built-in 8-bit 3ch ADC
- For VGA wide (800 x 480 dot, aspect ratio 16:9)
- 16-bit YUV output mode
- Color decode: NTSC/PAL
- Supply voltage: 2.7 to 3.6 V
6.5 to 8.0 V
- Power consumption: 330 mW(TYP.)
- ADC clock frequency: 36 MHz (MAX.)
- Operating temperature: -30 to 85 °C
- Package: 72QFP(P-QFP072-1010)

< System Configuration Example >



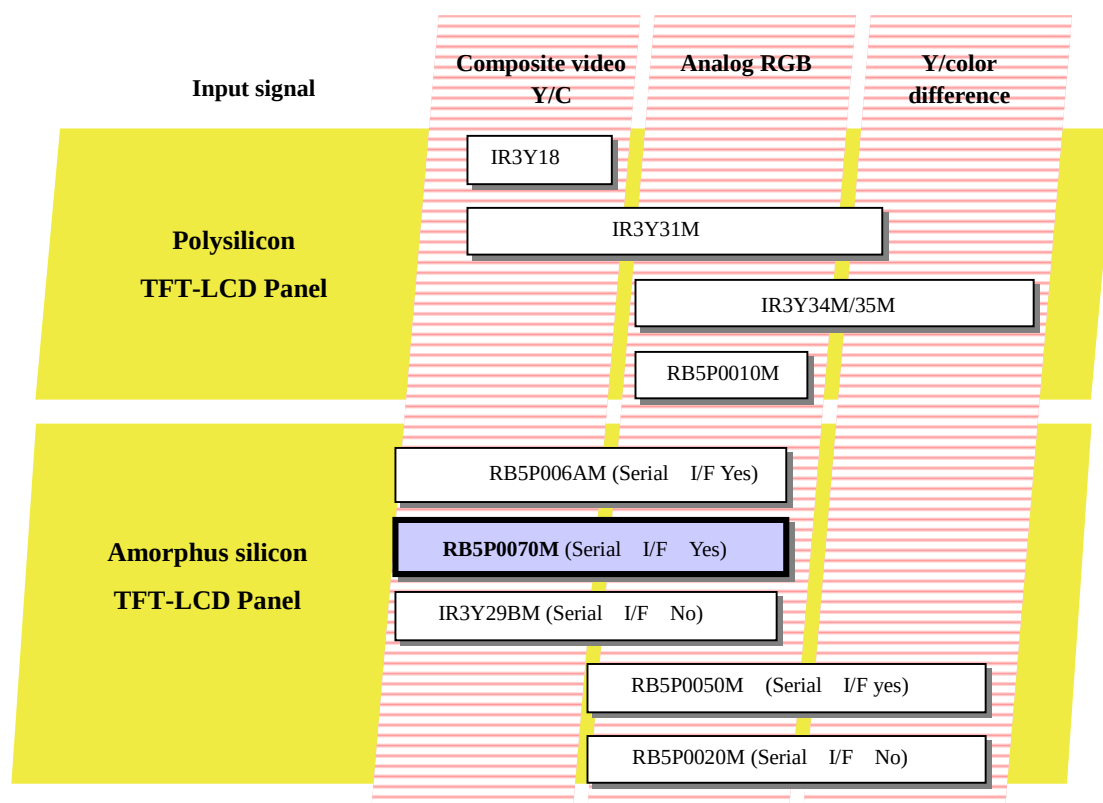
Animation correspondence digital input panel

[SHARP's : LQ042B5DG02 /
LQ065Y5DG01 /
LQ070Y5DR03]

< Product Line-up of Video Interface ICs for TFT-LCDs >

* Under development

Model No.	Input signal			Color decode	Serial data control	Supply voltage (V)	Power consumption (mW)TYP.	Package
	Composite video	Y/C	Analog RGB					
IR3Y29AM/ IR3Y29BM	O	O	O	NTSC /PAL	-	5/7.5	190	P-QFP048-0707
RB5P006AM	O	O	O		O	3/5/13	120	P-QFP048-1010
* RB5P0070M	O	O	O		O	3/7	330	P-QFP072-1010

< Input Signal/ Adaptive LCD Panel >


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