

# NJRC's Video IC for TFT Monitor Featuring the NJM2527

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NEWS

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**NJM2527**

## NJRC Video IC series for TFT Monitor

This newsletter talks about NJRC'S Video IC for TFT Monitor: **NJM2527**.

### FEATURES

- **NTSC/PAL matching**  
(Resemble PAL de-modulation system)
- **Internal T/C separate circuit**
- **Input mode:** Composite video signal  
Y/C separate signal  
External RGB signal
- **Internal synchronous separate circuit**  
(Liquid crystal panel PLL use)
- **Internal Gamma 2-point correction circuit**
- **Bipolar Technology**
- **Package Outline: QFP48-R2**

### APPLICATIONS:

For Car Equipment,  
(Navigation, Rear Monitor etc)  
Portable DVD Player and  
Security System

Suitable for  
2 to 9 inch TFT Monitor

### Competitor

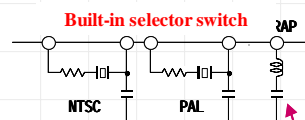
SHARP: IR3Y29B / IR3Y31

**NJM2527 is "high performance"  
compatible.**

### FUNCTION COMPARISON

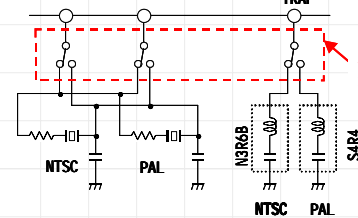
P/N	<b>NJM2527</b>	IR3Y31	IR3Y29B
Input Signal	Composite, Y/C separate Analog RGB: 1-ch	Composite, Y/C separate Analog RGB: 1-ch	Composite, Y/C separate Analog RGB: 1-ch
Chroma decoder	x (NTSC/PAL)	x (NTSC/PAL)	x (NTSC/PAL)
Power supply for RGB Output	5.0V	12.0V	7.5V
X'tal selector SW	x		
External TRAP	C: 1pcs, L: 1pcs sharable NTSC/PAL	Use exclusive TRAP: 2pcs (NTSC/PAL) different in NTSC and PAL	Use exclusive TRAP: 2pcs (NTSC/PAL) different in NTSC and PAL
Synchronous processing method	PLL by TimingController	PLL by TimingController	PLL by TimingController
Sync signal input	1-ch	1-ch	1-ch
Side black control	x	x	
Common electrode amplifier			x
The gamma correction method	2-point correction ( $\gamma_1, \gamma_2$ )	2-point correction ( $\gamma_1, \gamma_2$ )	2-point correction ( $\gamma_1, \gamma_2$ )
Package	48pin (0.5mm Pitch)	48pin (0.5mm Pitch)	48pin (0.5mm Pitch)

【NJM2527】



Shareable among NTSC/PAL

【Competitor】



A selector SW is necessary.

Exclusive use TRAP



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