

# AN5163K

## NTSC Color-TV Signal Processor IC

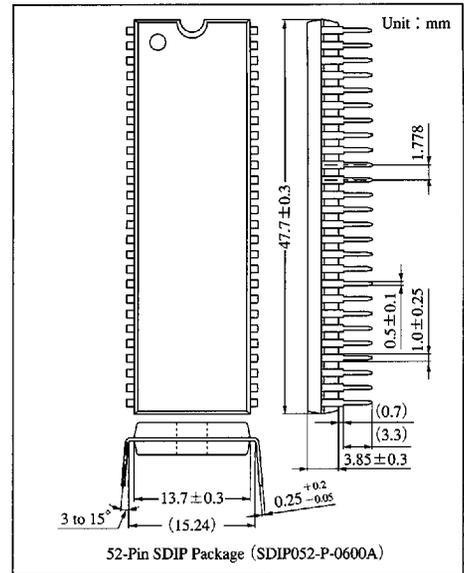
### Overview

The AN5163K is a single-chip IC which incorporates all functions needed for NTSC color-TV signal processing.

And sets production line will be rationalized by built-in I<sup>2</sup>C bus interface.

### Features

- Built-in VIF, SIF, video signal processing, chroma signal processing, and synchronization signal processing circuits
- Built-in an I<sup>2</sup>C bus interface circuit



### Pin Descriptions

Pin No.	Pin name	Pin No.	Pin name
1	ABL/Neck protection	27	EXT.Video input
2	Pedestal clamp	28	NC
3	ACL/Service switch	29	SIF In/RF AGC delay
4	R input	30	V <sub>CC1</sub> (2) VIF/SIF system
5	G input	31	Video output
6	B input	32	AFT coil
7	YS input	33	Int.Video input
8	Black Det. /Blank off/Sub Color	34	VIF detection output
9	R output	35	APC (VIF)
10	G output	36	VCO coil (1)
11	B output	37	VCO coil (2)
12	V <sub>CC1</sub> (1) video/chroma system	38	V <sub>CC3</sub> (1) video/jungle system
13	Chroma VCO	39	Y input
14	Lock detection	40	Ver. peak clamp
15	SDA	41	GND (1) video/chroma/jungle system
16	SCL	42	Chroma In/Black Level Start
17	V <sub>CC3</sub> (2) VIF/SIF system	43	Sync. input
18	VIF input (1)	44	FBP input
19	VIF input (2)	45	V <sub>CC2</sub> jungle system
20	GND (1) VIF/SIF system	46	Saw Tooth
21	Ext. Audio input	47	Hor. AFC
22	RF AGC output	48	Hor. OSC
23	Audio output	49	X-ray protection
24	IF AGC	50	Hor. output
25	SIF detection	51	Hold Down Ref.
26	AFT output	52	Ver. output

