

LINEAR INTEGRATED CIRCUITS

NTE873 28-Lead DIP, See Diag. 253

Luminance Chroma Processor/Demod,
V_{CC} = 15V

Sharpness Control	1	VCO "C" Input	28
Luma "R" Input	2	Noise Processing Sw	27
Auto Beam Limiter	3	VCO "R" Input	26
Luma "L" Input	4	Tint Control	25
Picture Control	5	VCO Output	24
Luma "C" Control	6	AFC Filter	23
Clamp Filter	7	V _{CC}	22
GND	8	Red Output	21
Brightness Control	9	Green Output	20
Chroma Amp In 1	10	Blue Output	19
ACC Filter	11	Demod Input	18
Chroma Amp Out 1	12	Auto Color Switch	17
Color Level Control	13	Chroma Amp Out 2	16
Chroma Amp In 2	14	Sandcastle Input	15

NTE874 28-Lead DIP, See Diag. 253

Horizontal/Vertical Countdown/Driver,
V_{CC} = 15V

Integrated Vert Input	1	Sync Output	28
Mode Select	2	Composite Video Input	27
Horiz Output	3	Sync Sep Filter	26
Horiz Sawtooth Input	4	OSC Tank	25
Horiz Drive Output	5	OSC Tank Lag Input	24
B+ Adjust Ref	6	OSC tank Lead Input	23
V _{CC}	7	GND	22
Beam Current Feedback Ref	8	APC Filter	21
AGC Gate Output	9	Flyback Sawtooth Ramp	20
Shunt Reg	10	Flyback Sawtooth Filter	19
Vert Ramp Shape	11	Flyback Input 1	18
Vert Height Adjust	12	Flyback Input 2	17
Vert Feedback	13	Sandcastle Output	16
Vert Output	14	Vert GND	15

NTE875 28-Lead DIP, See Diag. 253

Video IF Amp/PLL Detector System,
V_{CC} = 12V

IF Output	1	Det Input	28
V _{CC}	2	AFC Output	27
IF Gain Adjust	3	AFC Tank	26
IF Gain Adjust	4	Limiter Tank	25
IF Supply	5	Limiter Tank	24
IF Decouple	6	AFC Tank	23
IF Input	7	Detector Phase Adjust	22
IF Input	8	Substrate GND	21
IF Decouple	9	VCO Tank	20
GND	10	VCO Tank	19
RF AGC Output	11	PLL Filter	18
RF AGC Takeover Adjust	12	Input to AGC Comparator	17
AGC Filter	13	Video Output	16
AGC Gate Gen Time Constant	14	Supply Decouple	15

NTE876 8-Lead DIP, See Diag. 246

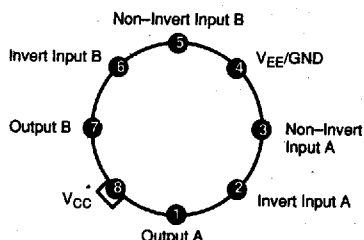
LED Flasher/OSC,
V_{CC} = 6V Max

3K Fast RC	1	9K Slow RC	8
Output	2	N.C.	7
N.C.	3	R _L	6
V (-)	4	V (+)	5

NTE877 8-Lead Metal Can, See Diag. 200

Dual, Low Power OP Amp,
V_{CC} = 36V or ±18V

Top View



NTE878 28-Lead DIP, See Diag. 253

Video IF Amp/PLL Detector System

IF Amp Output	1	Detector Input	28
V _{CC}	2	AFC Detector Output	27
IF Gain Adjust	3	AFC Tank	26
IF Gain Adjust	4	Limiter Tank	25
IF Supply	5	Limiter Tank	24
IF Decouple	6	AFC Tank	23
IF Input	7	Video Detector Phase Adjust	22
IF Input	8	Substrate GND	21
IF Decouple	9	VCO Tank	20
IF GND	10	VCO Tank	19
AGC Output	11	APC Filter	18
AGC Delay	12	Video Output	17
Primary Filter	13	Noise Invert	16
AGC Gate Input	14	Video Output	15

NTE879 20-Lead DIP, See Diag. 339

RGB to PAL/NTSC Encoder for Color TV,
V_{CC} = 12V Typ

Ramp Generator In	1	PAL/NTSC Select	20
Sync Input	2	Decoupling	19
Red Input	3	X'tal OSC	18
Green Input	4	X'tal OSC	17
Blue Input	5	V _{ref} (8.2V)	16
Luminance Output	6	GND	15
Decoupling	7	V _{CC}	14
Luminance Input	8	Chroma Output	13
Composite Output	9	Decoupling	12
Chroma Input	10	Decoupling	11

NTE880 20-Lead DIP, See Diag. 490

TV Color Processor,
V_{CC} = 12V

Blue Filter	1	Timing Input	20
Blue Sample	2	Timing Output	19
Blue Output	3	Blue Teletext Input	18
Green Filter	4	Blue Video Input	17
Green Sample	5	Green Teletext Input	16
Green Output	6	Green Video Input	15
Red Filter	7	Red Teletext Input	14
Red Sample	8	Red Video Input	13
Red Output	9	Video Switch	12
V _{CC}	10	GND	11

NTE887M 8-Lead DIP, See Diag. 245

Low Power, JFET OP Amp,
V_{CC} = ±18V Max

Offset Null 1	1	N.C.	8
Invert Input 1	2	V _{CC} (+)	7
Non-Invert Input 1	3	Output	6
V _{CC} (-)	4	Offset Null 2	5

NTE890 8-Lead DIP, See Diag. 245

Voltage to Frequency Converter,
V_{CC} = 15V Typ

Current Source	1	V _{CC}	8
Scale Factor	2	Input Voltage	7
Logic Output	3	Threshold	6
GND	4	One-Shot R, C	5

NTE888M 8-Lead DIP, See Diag. 245

Low Power, Programmable OP Amp,
V_{CC} = ±18V Max

Offset Null 1	1	ISET	8
Invert Input	2	V _{CC} (+)	7
Non-Invert Input	3	Output	6
V _{CC} (-)	4	Offset Null 2	5

NTE889M 8-Lead DIP, See Diag. 245

Dual, Low Power, JFET OP Amp,
V_{CC} = ±18V

Output 1	1	V _{CC} (+)	8
Invert Input 1	2	Output 2	7
Non-Invert Input 1	3	Invert Input 2	6
V _{CC} (-)	4	Non-Invert Input 2	5

NTE891M 8-Lead DIP, See Diag. 246

NTE891SM (Surface Mount) SOIC-8, See Diag. 550
Dual, Audio OP Amp,
V_{CC} = 15V Typ

Output 1	1	V _{CC} (+)	8
Invert Input 1	2	Output 2	7
Non-Invert Input 1	3	Invert Input 2	6
VEE (-)	4	Non-Invert Input 2	5

See Diagrams, beginning on Page 1-227