

Linear IC and Module Circuits (cont'd)

ECG1593 16-Pin DIP See Fig. L111
VIR Signal Processor, $V_{CC} = 12\text{ V Typ}$

| | | | |
|----------------|---|----|--------------------|
| VCC | 1 | 16 | VERT SYNC IN |
| +Y/B-Y IN | 2 | 15 | HORIZ FLYBACK IN |
| COLOR/HOLD | 3 | 14 | CHROMA PW ADJ |
| REF/HOLD | 4 | 13 | COMPOSITE VIDEO IN |
| COLOR CTRL OUT | 5 | 12 | COMPOSITE VIDEO IN |
| TINT CTRL OUT | 6 | 11 | LED INDICATOR |
| GROUND | 7 | 10 | TINT/HOLD |
| R-Y IN | 8 | 9 | |

ECG1594 24-Pin DIP-ET See Fig. L153
VCR Playback/Chroma/Burst Amp/Det/Killer, $V_{CC} = 12\text{ V Typ}$

| | | | |
|---------------|----|----|----------------|
| BPF | 1 | 24 | CARRIER IN |
| VCC2 | 2 | 23 | CONVERTER IN |
| BPF | 3 | 22 | BURST GATE IN |
| COMB FILTER | 4 | 21 | TIME CONSTANT |
| DECOUPLE | 5 | 20 | CRYSTAL FILTER |
| COMB FILTER | 6 | 19 | TIME CONSTANT |
| RF SWITCH IN | 7 | 18 | CRYSTAL FILTER |
| CHROMA OUTPUT | 8 | 17 | DECOUPLE |
| KILLER OUTPUT | 9 | 16 | DECOUPLE |
| TIME CONSTANT | 10 | 15 | CHROMA IN |
| ACC OUTPUT | 11 | 14 | GROUND |
| | 12 | 13 | VCC |

ECG1595 20-Pin DIP See Fig. L118
VCR FM Limiter Demod/Sync Sep/Video Amp, $V_{CC} = 12\text{ V Typ}$

| | | | |
|---------------|----|----|----------------|
| SYNC OUT | 1 | 20 | VIDEO OUT |
| SYNC SEP IN | 2 | 19 | BYPASS |
| BIAS | 3 | 18 | VIDEO AMP IN |
| FM INPUT | 4 | 17 | EE AMP IN |
| VCC | 5 | 16 | SW OUT |
| FILTER | 6 | 15 | COLOR MIX CTRL |
| BIAS | 7 | 14 | SUBTRACTOR IN |
| COLLECTOR OUT | 8 | 13 | LIMITER OUT |
| GROUND | 9 | 12 | LIMITER IN |
| GROUND | 10 | 11 | |

ECG1596 24-Pin DIP-ET See Fig. L153
VCR Freq Demod/Noise Cancel/Video Chroma Amp, $V_{CC} = 12\text{ V Typ}$

| | | | |
|----------------------|----|----|--------------------|
| FM INPUT | 1 | 24 | COUPLING CAPACITOR |
| RF GROUND | 2 | 23 | RF VCC |
| VIDEO AMP/VCC | 3 | 22 | DEMOD OUTPUT |
| OUTPUT 1 | 4 | 21 | BIAS |
| OUTPUT 2 | 5 | 20 | VIDEO INPUT |
| VIDEO GROUND | 6 | 19 | NOISE CANCEL VCC |
| EE INPUT | 7 | 18 | GAIN CONTROL |
| MUTING VOLT INPUT | 8 | 17 | HFP |
| CHROMA INPUT | 9 | 16 | HFP |
| EE/PB SWITCH VOLTAGE | 10 | 15 | VIDEO OUTPUT |
| VIDEO AMP INPUT | 11 | 14 | LIMITER ADJUST |
| | 12 | 13 | |

ECG1597 16+2-Pin DIP-ET See Fig. L114
Chroma Amp/VCO/Burst/Buffer Amp, $V_{CC} = 14\text{ V Max}$

| | | | |
|-----------------------|----|----|-------------------|
| VCC | 17 | 16 | VCO OUTPUT |
| F0 ADJUST | 1 | 15 | VCO INPUT |
| KILLER DET OUTPUT | 2 | 14 | 3.58 MHz PB INPUT |
| ID PULSE INPUT | 3 | 13 | SYNC INPUT |
| ID PULSE OUTPUT | 4 | 12 | 3.58 MHz PB INPUT |
| COLOR KILLER OUTPUT | 5 | 11 | FF OUTPUT |
| BURST EMPHASIS IN | 6 | 10 | BUFFER AMP INPUT |
| BURST EMPHASIS OUTPUT | 7 | 9 | BASE INPUT |
| BURST SIGNAL INPUT | 8 | | |
| GROUND | 18 | | |

ECG1598 24-Pin DIP-ET See Fig. L153
VCR Head Amp/Limiter/Dropout Comp, $V_{CC} = 12\text{ V Typ}$

| | | | |
|----------------|----|----|----------------|
| BYPASS | 1 | 24 | RF INPUT |
| NC | 2 | 23 | RF INPUT |
| DROPOUT SET | 3 | 22 | EQUALIZER |
| LIMITER OUTPUT | 4 | 21 | EQUALIZER |
| FILTER | 5 | 20 | VCC |
| SENSING | 6 | 19 | HEAD SW |
| TIME CONSTANT | 7 | 18 | RF OUTPUT |
| GROUND | 8 | 17 | RF OUTPUT |
| BIAS | 9 | 16 | Y SIGNAL INPUT |
| BIAS COIL | 10 | 15 | Y SIGNAL INPUT |
| VCC | 11 | 14 | BYPASS |
| MONO/COLOR SW | 12 | 13 | |

ECG1599 18-Pin DIP-ET See Fig. L152
VCR Chroma Processor and 688 kHz Modulator, $V_{CC} = 12\text{ V Typ}$

| | | | |
|-----------------|---|----|-----------------|
| KILLER VOLT OUT | 1 | 18 | CHROMA SIG OUT |
| DETECTOR | 2 | 17 | GROUND |
| VCC | 3 | 16 | CARRIER IN |
| ACC SETTING | 4 | 15 | 688 KHZ SIG OUT |
| DETECTOR | 5 | 14 | DECOUPLING |
| 3.58 MHZ CW IN | 6 | 13 | CHROMA SIG IN |
| GROUND | 7 | 12 | DECOUPLING |
| BURST OUT | 8 | 11 | VCC |
| GROUND | 9 | 10 | BURST IN |

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