

Linear IC and Module Circuits (cont'd)

ECG1266 16-Pin DIP See Fig. L111
 Chroma Processor, VCR, $V_{CC} = 12\text{ V Typ}$

| | | | |
|---------------|---|----|----------------|
| HORIZ SYNC IN | 1 | 16 | BYPASS |
| VCC | 2 | 15 | BURST IN |
| MOD INPUT | 3 | 14 | AGC DET |
| BYPASS | 4 | 13 | AGC AMP IN |
| 4.34 MHZ IN | 5 | 12 | GROUND |
| KILLER | 6 | 11 | AGC AMP OUTPUT |
| MOD OUTPUT | 7 | 10 | OUTPUT |
| LEVEL CONTROL | 8 | 9 | KILLER AMP IN |

ECG1267 16-Pin DIP See Fig. L111
 Dropout Compensator, VCR, $V_{CC} = 12\text{ V Typ}$

| | | | |
|------------------|---|----|----------------------|
| CHROMA OUTPUT | 1 | 16 | VCC |
| INPUT | 2 | 15 | SQUELCH OUTPUT |
| HI PASS FILTER | 3 | 14 | INTER STAGE COUPLING |
| PREMAP OUTPUT | 4 | 13 | FILTER |
| COLOR/B&W SWITCH | 5 | 12 | INTER STAGE COUPLING |
| GROUND | 6 | 11 | DET INPUT |
| DELAY LINE | 7 | 10 | FILTER |
| BYPASS | 8 | 9 | LIMITER OUTPUT |

ECG1268 28-Pin DIP See Fig. L124
 DC Servo Control, VCR, $V_{CC} = 12\text{ V Typ}$

| | | | |
|-----------------------|----|----|------------------------|
| RIPPLE FILTER | 1 | 28 | DET 1 IN |
| DET 2 IN | 2 | 27 | DET 1 TC |
| DET 2 TC | 3 | 26 | DET 1 OUT |
| FG AMP IN | 4 | 25 | DET FF IN |
| VCC | 5 | 24 | GROUND |
| FG OUT | 6 | 23 | TO HEAD SW |
| GATE IN | 7 | 22 | MM IN |
| GATE TC | 8 | 21 | MM TC |
| 9 | 20 | | |
| MOTOR SPEED SIG OUT | 10 | 19 | GROUND |
| RIPPLE FILTER SIG OUT | 11 | 18 | MM OUT |
| MOTOR PHASE SIG OUT | 12 | 17 | TRAPEZOID RC CONSTANTS |
| BYPASS | 13 | 16 | |
| S & H IN | 14 | 15 | TIMING REF SIG IN |

ECG1269 28-Pin DIP See Fig. L124
 Color Processor, VCR

| | | | |
|-----------------|----|----|----------------------|
| VCC | 1 | 28 | HORIZ SYNC SEPARATOR |
| VIDEO INPUT | 2 | 27 | NC |
| TO COLOR PROC | 3 | 26 | VCO FREQ ADJ |
| BYPASS | 4 | 25 | VCO TIME CONSTANT |
| PHASE COMP | 5 | 24 | VCO DECOUPLED |
| COMPARATOR | 6 | 23 | |
| FROM COLOR PROC | 7 | 22 | VCC |
| XTAL | 8 | 21 | NC |
| 9 | 20 | 19 | GROUND |
| 3.58 MHZ OUTPUT | 10 | 18 | AFC INPUT |
| NC | 11 | 17 | VCO OUTPUT |
| BANDPASS FILTER | 12 | 16 | VOLT REG OUTPUT |
| GROUND | 13 | 15 | 3.58 MHZ INPUT |
| 630 KHZ INPUT | 14 | | |

ECG1270 24-Pin DIP See Fig. L122A
 VCR Motor Drive

| | | | |
|---------------|----|----|--------------|
| DRIVE OUTPUT | 1 | 24 | DRIVE OUTPUT |
| 2 | 23 | | |
| 3 | 22 | | |
| +12 V | 4 | 21 | FEEDBACK |
| SPEED CTRL | 5 | 20 | BYPASS |
| GAIN FEEDBACK | 6 | 19 | VCC |
| NC | 7 | 18 | OSC OUTPUT |
| GROUND | 8 | 17 | COMMON |
| NC | 9 | 16 | GROUND |
| FILTER | 10 | 15 | FEEDBACK-1 |
| FEEDBACK-3 | 11 | 14 | FILTER CAP |
| FILTER | 12 | 13 | FEEDBACK-2 |

ECG1271 8-Pin SIP-HS See Fig. L77
 Control Voltage Generator

| | |
|----------|---|
| VOUT (0) | 1 |
| VIN | 2 |
| VREF | 3 |
| GROUND | 4 |
| CONTROL | 5 |
| VOUT (1) | 6 |
| NC | 7 |
| VOUT (2) | 8 |

ECG1272 16-Pin DIP See Fig. L111
 PLL Freq Synthesizer

| | | | |
|-----|---|----|-----|
| VDD | 1 | 16 | VSS |
| Q1N | 2 | 15 | P0 |
| LD1 | 3 | 14 | P1 |
| LD2 | 4 | 13 | P2 |
| LD3 | 5 | 12 | P3 |
| DO | 6 | 11 | P4 |
| T/R | 7 | 10 | P5 |
| FIN | 8 | 9 | P6 |

ECG1273 20 Pin DIP See Fig. L119
 Dual Channel Audio Pwr Amp, 5 W/Channel, 15 W (BTL), $V_{CC} = 13.2\text{ V Typ}$

| | | | |
|----------------|----|----|----------------|
| DECOUPLING 1 | 1 | 20 | DECOUPLING 2 |
| INPUT 1 | 2 | 19 | INPUT 2 |
| FEEDBACK 1 | 3 | 18 | FEEDBACK 2 |
| HI-FREQ COMP 1 | 4 | 17 | HI-FREQ COMP 2 |
| BOOTSTRAP 1 | 5 | 16 | GROUND |
| HI-FREQ COMP 1 | 6 | 15 | BOOTSTRAP 2 |
| PHASE COMP 1 | 7 | 14 | HI-FREQ COMP 2 |
| GROUND | 8 | 13 | PHASE COMP 2 |
| OUTPUT 1 | 9 | 12 | GROUND |
| VCC | 10 | 11 | OUTPUT 2 |

ECG1275 10-Pin SIP-HS See Fig. L90
 AF Pwr Amp, 5.8 W

| | |
|--------------|----|
| VCC | 1 |
| PHASE COMP | 2 |
| PHASE COMP | 3 |
| AF SIG INPUT | 4 |
| FEEDBACK | 5 |
| BYPASS | 6 |
| PHASE COMP | 7 |
| GROUND | 8 |
| BOOTSTRAP | 9 |
| AF OUTPUT | 10 |

ECG1278 10-Pin SIP-HS See Fig. L85
 AF PO, 5.8 W

| | |
|----------------|----|
| VCC | 1 |
| RIPPLE REJECT | 2 |
| MUTING CONTROL | 3 |
| AF SIG INPUT | 4 |
| FB FILTER | 5 |
| GAIN ADJUST | 6 |
| GROUND | 7 |
| AF OUTPUT | 9 |
| BOOTSTRAP | 10 |

ECG1279 10-Pin SIP-M See Fig. L64
 AF PO, 50 W, $V_{CC} = \pm 36\text{ V Typ}$
ECG1280, ECG1282
 AF PO, 35 W, $V_{CC} = \pm 31\text{ V Typ}$

| | |
|--------|----|
| INPUT | 1 |
| -VCC | 2 |
| OUTPUT | 3 |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| OUTPUT | 8 |
| +VCC | 9 |
| INPUT | 10 |

ECG1281 10-Pin SIP-M See Fig. L64
 AF PO, 50 W, $V_{CC} = \pm 36\text{ V Typ}$

| | |
|---------|----|
| INPUT + | 1 |
| VCC - | 2 |
| OUTPUT | 3 |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| OUTPUT | 8 |
| VCC + | 9 |
| INPUT - | 10 |