

B. VCR Only

Application	Device	Package	Circuit Function
REC/PB-AMP	KA8112	22 DIP SH	Current amp, Pre-amp, HD SW amp (REC/PB)
	††KA8116	20 SOP	2ch REC amp, 4ch PB amp, HD SW amp (REC/PB), REC amp gain CTL SW, envelope det.
Luminance Processor	KA8113	30 DIP SH	AGC, SYNC sep, Detail enhancer, Main emphasis, Non-linear empha, 75Ω driver, FM AGC, DOC, Line noise can, Noise can, Picture control
Chrominance	KA8104	30 DIP SH	320f _H /321f _H VCO, REC LPF, Edit CTL, 2f _{sc} , PB input level compensator, Field start inhibit, High speed APC circuit, APC Ref CTL
	†KA8114	30 DIP SH	Rec sync gate, Limiter, PB sync gate, Timing gen. doubler
	††KA8115	24 DIP SH	PB amp, De-empha, Killer, 4.43M VXO/XO, 2 f _{sc} 320/321 f _H VCO, PB APC, REC AFC, REC APC, Side lock det, ACC det/amp, BGP, 6dB amp, N/P/S det, 3rd lock protect
	††KA8117		KA8114 + Filters
Y/C 1 Chip	††KA8120	36 DIP SH	YNR, Y/C Comb, 3MLPF, Clamp, FBC, Detail enhancer, NL-empha, Main-empha, W/D clip, FM MOD (Demod), SYNC sep, AGC, FM AGC, D.O.C. double limiter, Main de-empha, NL de-empha, Double HPF noise canceller, Picture CTL, Y/C MIX REC killer, IMLPF, ACC DET/AMP, Burst empha (De-empha), 3.58M BPF, PB killer, 4.21M BPF, REC APC, PB APC, REC AFC, 320/321f _H VCO, VXO/XO, BGP
Audio Processor	KA2983	18 DIP	REC/PB Pre-amp, Line amp, ALC, Analog SW, Mute CTL, REC amp
	KA8401	24 ZIP SH	SP/EP SW, REC/PB SW, PB/EE SW, REC/EE SW, Mute CTL, REC amp
	††KA8406	80 QFP	Hi-Fi 1 Chip
Servo Controller	KA8316	56 DIP SH	Speed/Phase servo for drum & capstan motor, 70-search speed, Fine slow, QV position, VISS code W/R
	KA8319	56 DIP SH	KA8316 + D-PG/D-FG amp
	†KA8320	60 QFP	KA8319 + HD logic select
C-FG & CTL Amp	KA8302	12 SIP	CTL amp, FG amp, Doubler, Schmitt trigger
Motor Driver	KA8301	10 SIP H/S	Pre amp, Driver, Logic circuit
	KA8304	12 SIP H/S 12 ZIP H/S	Control amp, CW/CCW, Hall amp, 2-phase motor driver
	KA8306	10 SIP H/S	CTL circuit, Protect circuit, Dual motor driver
	KA8310	20 ZIP	2 Phase DC brushless hall motor driver, CTL amp, Hall amp, CW/CCW, Driver, TSD
	KA8311	30 DIP SH H/S	3 phase DD Motor driver
RF Modulator	KA2981	16 DIP	Video clamp, White clip, AM modulator, Sound FM modulator, Carrier OSC with SAW channel select SW, 6.2V
	†KA2990D	16 SOP	Video clamp, White clip, AM mod, Sound FM mod, 5.0V Switcher
	†KA2982D	20 SOP	Video clamp, White clip, AM/FM mod, Sound AM/FM mod, 5.0V

† New Product †† Under Development