

1984

HITACHI QUICK REFERENCE GUIDE TO INTEGRATED CIRCUITS AND DISCRETE SEMICONDUCTOR DEVICES

PREFERRED EUROPEAN TYPE-SELECTION

PROMILEC

P.O. Box 56310, Pinegowrie
2123

Tel. 789-1400

 **HITACHI**

■ Power ICs

Type No.	Outline	Max. Ratings		Electrical Characteristics			Recommended Application				Remarks
		P_T (W)	V_{CC} (V)	P_{out} (W)	R_L (Ω)	V_{CC} (V)	Hi-Fi Amp.	Car Use	Cassette Tape Recorder	Home Stereo	
HA1377	SP-12T	15	18	5.8x2	4	13.2		●	○		2-channel built-in
HA1384	SP-12T	15	26	20	4	13.2		●		○	BTL
HA1388	SP-12T	15	18	18	4	13.2		●		○	BTL
HA1392	SP-12T	15	20	6.8	4	15		●	●		2-channel built-in, with Mute Terminal
				4.3	4	12					
HA1393	SP-12T	15	26	20	4	13.2		●		○	BTL
HA1394	SP-12T	15	35	8.2x2	8	25			○	●	2-channel built-in
HA1396	SP-12T	15	26	20	4	13.2		●		○	BTL with Mute
HA1397	SP-12T	30	±30	20	8	±22	●			○	2 supplies system
HA13001	SP-12T	15	26	5.5x2	4	13.2		●			2 channel built-in
				17.5							
HA13102	SP-12T	15	18	5.5x2	4	13.2		●	○		2 channel built-in
TBA800	QP-12TA	5	30	5.0	16	24			○	●	Cassette Tape Deck Applications
				3.4	8	16					
TBA810AS	QP-12TA	5	20	7	4	16			○	●	Type No.
TBA810SH	QP-12T										

■ PCM and DAD Applications

Use	Type	Function	Contents	Outline	Use	Type	Function	Contents	Outline
P C M	HD440361	Playback	<ul style="list-style-type: none"> ● Conversion of sample data from in-series to in-alternating ● Detection of error data ● Detection and protection of control block ● RAM control and data processing ● Mute function 	FP-60	D A D	HA12049A	Interface	<ul style="list-style-type: none"> ● Input Signal Processing 	DP-28
			<ul style="list-style-type: none"> ● Detection and protection of synchronizing signal ● RAM address control ● Deinterleave 			HA12053	Interface	<ul style="list-style-type: none"> ● Sample & Hold 	DP-16
	HD440362	Error correction	<ul style="list-style-type: none"> ● RAM I/O ● Error correction ● Check and latch of control block ● D/A output latch and buffer 			HA16633	D/A Converter	<ul style="list-style-type: none"> ● 16-bit D/A Converter ● High-speed settling (1.5μs) 	DP-42
	HD44037		<ul style="list-style-type: none"> ● Parity word generation (P, Q) ● RAM address control 			HD61901H	Error Correction	<ul style="list-style-type: none"> ● EFM Signal Demod. ● Error Correction 	FP-60
	HD440381		Recording			<ul style="list-style-type: none"> ● Conversion of output data from in-alternating to in-series ● Synchronizing signal generation ● CRCC generation ● RAM address control ● Interleave 	HD61902H	Output Control	<ul style="list-style-type: none"> ● External RAM Address Control ● Output Control ● Digital Servo
HD440382									

■ Other Applications

Type No.	Outline	Functions	Remarks
HA12002	SP-8	Protection of Speaker and Power Amp.	with Relay Driver
HA12022	DP-16-2	Voltage Controlled Amp.	
HA12032	DP-18	Motor Controller for Quartz-lock Player	except Motor Driver
HA12039	DP-16-2	Automatic Volume Control (AVC)	Adjustment of the volume by detecting the indoor noise of a car
HA12043	DP-18	CX NR System for MCA System	NR Effects 14dB
HA12044	DP-18	CX NR System	NR Effects 20dB
HA12429/MP	DP-18 MP-18	AM Noise Canceller	
HA13003	DP-14T	Modulator for PWM Amplifier	Small Channel Crosstalk

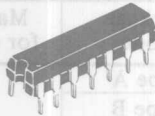
PACKAGE OUTLINE

● Plastic DIP

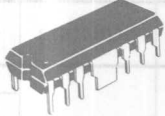
DP-8



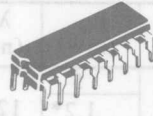
DP-14



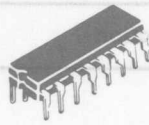
DP-14T



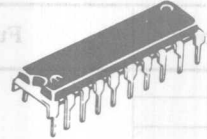
DP-16



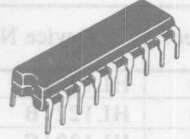
DP-16A



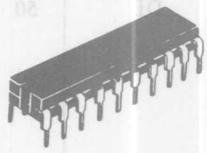
DP-16-2



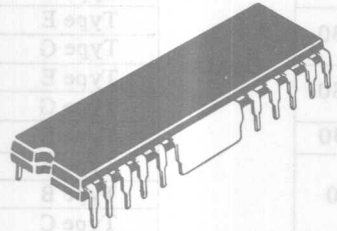
DP-18



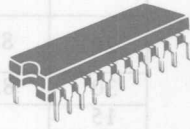
DP-20



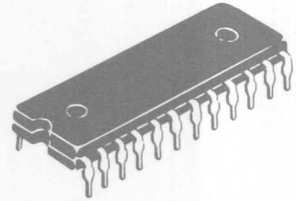
DP-20T



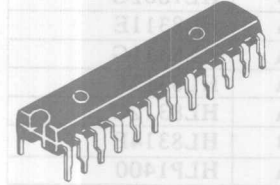
DP-22



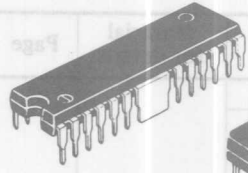
DP-24



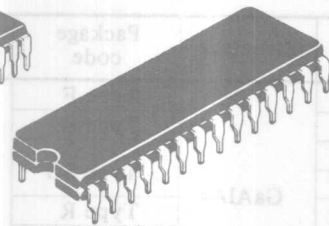
DP-24A



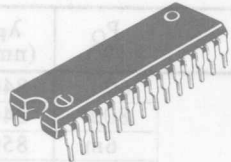
DP-24T



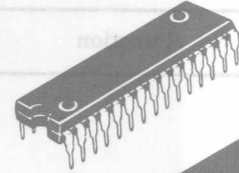
DP-28



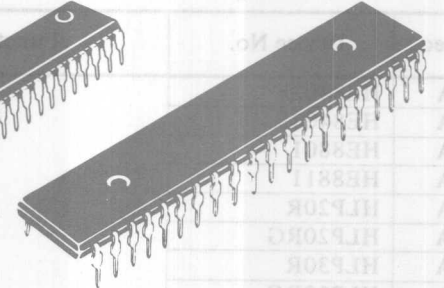
DP-28S



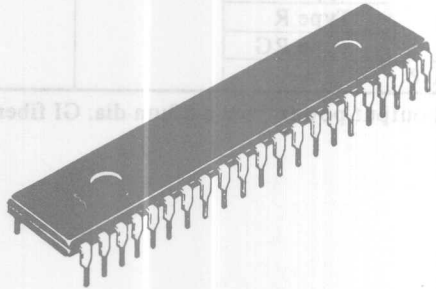
DP-30S



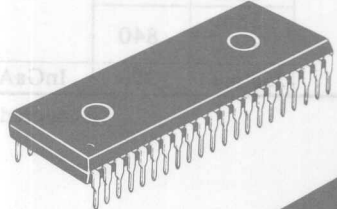
DP-40



DP-42



DP-42S



DP-64S

