Supports 3D capabilities in Top-and-Bottom, Side-by-Side (Half) and Frame Packing transmission Repetition of video samples as required by the HDMI standard Insertion of HDMI additional information such as Info Frames Color gamut metadata packet transmission (xvYCC) Downstream availability using Hot Plug Detection (HPD) input and receiver detection (RxSense circuit) Master DDC-bus interface Controllable via l²C-bus Low power dissipation 1.8 V and 3.3 V power supplies

intelligent edge interpolation

Deals with multiple levels of HDCP receivers and repeaters only in TDA9984A Internal SHA-1 calculation only in TDA9984A

Upscaler allows creating a 1080p output from a standard definition input by using

Hard reset Pin-to-pin compatible with TDA9983A/B and TDA9981A/B Software compatible with TDA9983A/B and TDA9981A/B Dark Green package, fully comply to the EU directive 2002/95/EC (RoHS) but in

addition free of Halogens and Antimony

Set-Top Box (STB)

DVD player

Applications

 DVD recorder AV receiver

Power-down mode

- Home theater
- Digital video camera
- Digital still camera Personal video recorder
- Media center PCs, graphic cards Switches

General product disclaimer

- All information on this product information page is subject to the subsequent disclaimers:

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Quality and reliability disclaimer

Parametrics of this product

Type number	Package	package reference code	Output number	HDMI version	video	Max video pixel Rate(GHz)	High Bit Rate Audio	HDCP	CEC	Video Upscale	HDMI 1.4a: 3D	HDMI 1.4a: Adobe RGB	HDMI 1.4a: ARC	I/O	Total power Standby mode typical(mW)	Supply voltage(V)	Total power Operation mode typical(mW)	Application
TDA9984BHW	SOT841-4 (HTQFP80)	HTQFP80	1	1.4a	1080p 50/60 Hz 8-bit color	150	yes	no	no	yes	yes	yes	yes	RGB/YUV	30	3.3 V / 1.8 V	320	STB, BD player

Similar products Parametric search all HDMI transmitters

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Type number	Orderable part number	Ordering code (12NC)	Product status	Package	Packing	Marking	ECCN
TDA9984BHW/C1	TDA9984BHW/C1,518	9352 926 26518	Volume production	SOT841-4 (HTQFP80)	Reel Dry Pack, SMD, 13"	Standard Marking	
TDA9984BHW//C1	TDA9984BHW/C1,551	9352 926 26551	Volume production	SOT841-4 (HTQFP80)	Tray Dry Pack, Bakeable, Single	Standard Marking	
TDA9984BHW//C1	TDA9984BHW/C1,557	9352 926 26557	Volume production	SOT841-4 (HTQFP80)	Tray Dry Pack, Bakeable, Multiple	Standard Marking	

Type number	Orderable part number	Chemical content	RoHS	Leadfree conversion date	RHF	IFR (FIT)	MTBF (hours)	MSL	MSL LF
TDA9984BHW/C1	TDA9984BHW/C1,518	TDA9984BHW//C1	EU/CN ROHE COMPLIANT 🗖 🤒	Always Pb-free	D			3	3
TDA9984BHW/C1	TDA9984BHW/C1,551	TDA9984BHW/C1	EU/CN ROHS COMPLIANT 2 Pb	Always Pb-free	D			3	3
TDA9984BHW//C1	TDA9984BHW/C1,557	TDA9984BHW/C1	EU/CN ROHECOMPLIANT 3 PD	Always Pb-free	D			3	3

Documentation for this product

≜ Format

	Type •	1 Office	Tide •	Date +	
	Leaflet	pdf		2011-06-07	
C	ordering & availa	bility			

Type number	Ordering code(12NC)	Orderable part number	Region	Distributor	ln stock	Order quantity	Inventory date	Buy online	Samples
TDA9984BHW/C1	9352 926 26518	TDA9984BHW/C1,518							not available
TDA9984BHW//C1	9352 926 26551	TDA9984BHW/C1,551	NA	MOUSER ELECTRONICS	687		5/5/2012	Buy	Order samples
			NA	MOUSER ELECTRONICS	687		5/5/2012	Buy	
TDA9984BHW/C1	9352 926 26557	TDA9984BHW/C1,557							not available

Sample

Sample orders normally take 2-4 days for delivery. If you do not have a direct account with NXP our network of global and regional distributors is available and equipped to support you with NXP samples. As a NXP

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