



Video Processing



Typenumber	Description	Package	Application	Operating Temperature in °C
SAA6734AHL	TFT-LCD panel controller	LQFP100	LCD Monitor	0 - 70



Related literature

Title

SAA6734AHL, TFT-LCD panel controller

Order code

9397 750 13197

Features

- * 165 MHz TFT-LCD Controller
- * Up to SXGA output resolution (1280 x 1024 pixels)
- * Integrated ADCs (165 MHz for VGA interface)
- * Philips' picture quality and contrast enhancements
- * Advanced color processing for sRGB support
- * Programmable horizontal/vertical up-scaling and down-scaling
- * 10-bit gamma correction
- * Robust OSD features included enhanced character OSD, rotation, flipping and more
- * Standard I²C-bus interface
- * Standard LQFP100 package for easy design in
- * Complete reference design kit available

DIGITAL VIDEO ENCODERS

Typenumber	Description	Package	Application	Operating Temperature in °C
SAA7128H	Digital Video Encoders	SOT307 (QFP44)	Photo Printer	0 -70
SAA7129H	Digital Video Encoders	SOT307 (QFP44)	Photo Printer	0 -70
SAA7102E	Digital Video Encoders	SOT472 (BGA156)	PC video out	0 -70
SAA7103E	Digital Video Encoders	SOT472 (BGA156)	PC video out	0 -70
SAA7120H	Digital Video Encoders	SOT307 (GFP44)	PC video out	0 -70
SAA7121H	Digital Video Encoders	SOT307 (GFP44)	PC video out	0 -70
SAA7104E	Digital Video Encoders	SOT472 (BGA156)	PC video out	0 -70
SAA7105E	Digital Video Encoders	SOT472 (BGA156)	PC video out	0 -70
SAA7102H	Digital Video Encoders	SOT307 (QFP44)	PC video out	0 -70
SAA7103H	Digital Video Encoders	SOT307 (QFP44)	PC video out	0 -70
SAA7104H	Digital Video Encoders	SOT307 (QFP44)	PC video out	0 -70
SAA7105H	Digital Video Encoders	SOT393 (QFP64)	PC video out	0 -70



Related literature

Title

Digital Video Encoders.
Your digital gateway to the analog world
(SAA7128/SAA7129; SAA7102/SAA7103;
SAA7120/SAA7121; SAA7128A/SAA7129A;
SAA7104/SAA7105)

Order code

9397 750 13122

DIGITAL VIDEO DECODERS

Typenumber	Description	Package	Application	Operating Temperature in °C
SAA7110A	Digital Video Decoders	SOT188 (PLCC68)	PC Video	
SAA7111AH	Digital Video Decoders	SOT393 (QFP64)	PC Video	
SAA7114H	Digital Video Decoders	SOT407 (QFP100)	PC Video & LCD TV	0 - 70
SAA7113H	Digital Video Decoders	SOT307 (QFP44)	PC Video & LCD TV	0 - 70
SAA7115H	Digital Video Decoders	SOT407 (QFP100)	PC Video & LCD TV	0 - 70
SAA7118H	Digital Video Decoders	SOT322 (QFP160)	PC Video & LCD TV	0 - 70
SAA7154H	Digital Video Decoders	SOT322 (QFP160)	LCD TV	0 - 70
SAA7144H	Digital Video Decoders	SOT425 (LQFP128)	LCD TV	0 - 70
SAA7117H	Digital Video Decoders	SOT322 (QFP160)	LCD TV	0 - 70
SAA7119H	Digital Video Decoders	SOT322 (QFP160)	LCD TV	0 - 70
SAA7114E	Digital Video Decoders	SOT472 (BGA156)	PC Video	0 - 70
SAA7117AE	Digital Video Decoders	SOT472 (BGA156)	LCD TV	0 - 70
SAA7118E	Digital Video Decoders	SOT472 (BGA156)	PC Video & LCD TV	0 - 70
SAA7119E	Digital Video Decoders	SOT472 (BGA156)	LCD TV	0 - 70



Related literature

Title

Digital Video Decoders.
Your digital gateway to the analog world
(SAA7110A, SAA 7111A, SAA7112, SAA7114,
SAA7113, SAA7115, SAA7118)
SAA7154 PAL/NTSC/SECAM 10-bit video decoder

Order code

9397 750 11987

9397 750 12984

PCI Digital A/V Decoders

PCI DIGITAL AUDIO/VIDEO DECODERS

Typenumber	Description	Package	Application	Operating Temperature in °C
SAA7130H	PCI Digital Audio/Video Decoders	SOT425 (LQFP128)	PC TV Card	0 - 70
SAA7134H	PCI Digital Audio/Video Decoders	SOT425 (LQFP128)	PC TV Card	0 - 70
SAA7133H	PCI Digital Audio/Video Decoders	SOT425 (LQFP128)	PC TV Card	0 - 70
SAA7135H	PCI Digital Audio/Video Decoders	SOT425 (LQFP128)	PC TV Card	0 - 70
SAA7131E	PCI Digital Audio/Video Decoders	SOT811 (BGA256)	PC TV Card	0 - 70
SAA7136E	PCI Digital Audio/Video Decoders	SOT811-1 (BGA256)	PC TV Card	0 - 70
SAA7136HS	PCI Digital Audio/Video Decoders	SOT811 (SQFP208)	PC TV Card	0 - 70



Related literature

Title

PCI Digital Audio/Video Decoders
(SAA7130, SAA7134, SAA7133, SAA7135)

Order code

9397 750 10471

Features

- * Broad range family of PCI-TV solutions
- * LQFP128 pin compatible family allows single PCB design
- * High quality worldwide video digitizing and decoding
- * World-wide stereo decoding
- * Audio enhancements
- * Audio bus mastering and analog loopback
- * Dual low-noise video and stereo AD converters