IC CARD INTERFACE

Manufacturer:	NXP Semiconductor
Package/Case:	SOP28
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free [RoHS]
Lifecycle:	Obsolete

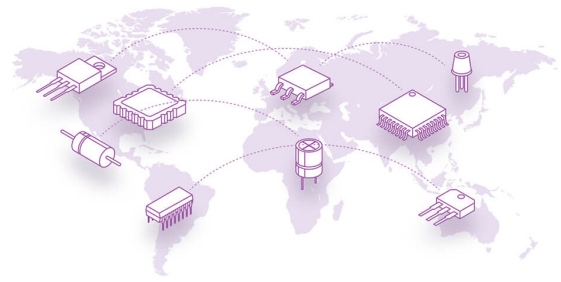TDA8004T/C1 Image

Images are for reference only

Inquiry

General Description

Key Features

■3 V or 5 V supply for the IC (GND and VDD)

■ Step-up converter for VCC generation (separately powered with a 5 V ± 10 % supply, VDDP and PGND)

■ 3 specific protected half duplex bidirectional buffered I/O lines (C4, C7 and C8)

■ VCC regulation 5 V ± 5 % on 2 × 100 nF or 1 × 100 nF and 1 × 220 nF multilayer ceramic capacitors with low Equivalent Series Resistance (ESR), ICC < 65 mA at 4.5 V < VDDP < 6.5 V, current spikes of 40 nAs up to 20 MHz, with controlled rise and fall times, filtered overload detection approximately 90 mA)

■ Thermal and short-circuit protections on all card contacts

■ Automatic activation and deactivation sequences (initiated by software or by hardware in the event of a short-circuit, card take-off, overheating or supply drop-out)

■ Enhanced ElectroStatic Discharge (ESD) protection on card side (> 6 kV)

■ 26 MHz integrated crystal oscillator

■ Clock generation for the card up to 20 MHz (divided by 1, 2, 4 or 8 through CLKDIV1 and CLKDIV2 signals)

■ Non-inverted control of RST via pin RSTIN

■ ISO 7816, GSM11.11 and EMV (payment systems) compatibility

■ Supply supervisor for spikes killing during power-on and power-off

■ One multiplexed status signal OFF

Application

■ IC card readers for banking

■ Electronic payment

■ Identification

■ Pay TV

Recommended For You

TDA8024AT/C1	**TDA8024AT**	**TDA8004T**
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
SOP28	SOP28	SOP28
TDA8029HL	**TDA8023TT**	**TDA8024TT**
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
LQFP32	TSSOP28	TSSOP28
TDA8024T/C1	**TDA8005AG**	**TDA8007BHLBE**
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
SOP28	QFP	BGA
TDA8005H	**TDA8004TD**	**TDA8006AH/C325**
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
QFP	SOP	QFP-44
TDA8004AT/C1	**TDA8002AT/3/C2**	**TDA8002G/3/C2**
NXP Semiconductor	NXP Semiconductor	NXP Semiconductor
SOP28	SOP	BGA