

MT8812 8 x 12 Analog Switch Array with low on-resistance, for VDD =4. 5V to 14.5V

Product Status - Production

The MT8812 is fabricated in ISO-CMOS technology providing low power dissipation and high reliability. The device contains a 8 x 12 array of crosspoint switches along with a 7 to 96 line decoder and latch circuits. Any one of the 96 switches can be addressed by selecting the appropriate seven address bits. The selected switch can be turned on or off by applying a logical one or zero to the DATA input.

Features

- Internal control latches and address decoder
- Short set-up and hold times
- Wide operating voltage: 4.5V to 13.2V
- 12Vpp analog signal capability
- Full CMOS switch for low distortion
- Minimum feedthrough and crosstalk
- Separate analog and digital reference supplies
- Low power consumption ISO-CMOS technology

Typical Applications

- PBX systems
- Mobile radio
- Test equipment/instrumentation
- Analog/digital multiplexers
- Audio/Video switching

Product Information

Document Type	Title	Last Updated	Format/Size
Data sheet	MT8812 Data Sheet	01-MAR-97	PDF - 376.6K
Application Note	Understanding and Eliminating Latch-Up in CMOS Applications	01-JAN-01	PDF - 430.4K
Functional Block Diagram	Functional Block Diagram	01-JAN-01	JPEG - 33.9K

[Top](#)

Pricing, Availability and Packaging

Ordering Part No.	Package Type	No. of Pins	Lead Time (Weeks)	Status	Budgetary Pricing	
					Quantity	\$US Each

Page Contents

- [Features](#)
- [Typical Applications](#)
- [Product Information](#)
- [Pricing, Availability and Packaging](#)
- [Related Products](#)

Related Resources

- [Selector Guide](#)
- [Product Tree](#)

User Functions

- [Bookmark this page](#)
- [Notify me of Changes](#)
- [Technical Enquiry](#)

MT8812AE	PDIP	40	4	Production	1000+	\$4.13
MT8812AP	PLCC	44	4	Production	1000+	\$4.81
MT8812APR	PLCC	44	4.4	Production	1000+	\$4.87

[Top](#)

Related Products

Part Number	Description
 MH88500	Subscriber Line Interface Circuit (SLIC) for analog PABX, intercoms and Central Office
 MH88510/11	SLIC for analog PABX, intercoms and Central Office with BORSH functions
 MH88524	Dual 2-4 Wire Circuit
 MT093	8 x 12 Analog Switch Array. This part is a drop-in replacement for the M093 from SGS Thompson.

[Top](#)

products > [product tree](#) > product profile: MT8812

[Home](#) . [Product/Design Data](#) . [Purchasing](#) . [Company](#) . [Careers](#) . [Personalization](#)
[Site Guide](#) . [Site Terms & Conditions Of Use](#) . [Privacy/Security Statement](#) . [Feedback](#)

Copyright Zarlink Semiconductor Inc., 2002. All Rights Reserved