


CDR SONET/SDH 3.3V 24-Pin TQFN EP

Manufacturer:	<u>Maxim Integrated</u>
Package/Case:	QFN
Product Type:	Clock & Timer ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

The MAX398/MAX399 precision, monolithic, CMOS analog multiplexers (muxes) offer low on-resistance (less than 100Ω), which is matched to within 6Ω between channels and remains flat over the specified analog signal range (11Ω max). They also offer low leakage over temperature (NO off-leakage current less than 2.5nA at +85°C) and fast switching speeds (transition time less than 250ns). The MAX398 is an 8-channel device, and the MAX399 is a dual 4-channel device. The MAX398/MAX399 are fabricated with Maxim's low-voltage silicon-gate process. Design improvements yield extremely low charge injection (less than 5pC) and guarantee electrostatic discharge protection (ESD) greater than 2000V. These muxes operate with a single +3V to +15V supply or bipolar ±3V to ±8V supplies, while retaining CMOS-logic input compatibility and fast switching. CMOS inputs provide reduced input loading. The MAX398/MAX399 are pin compatible with the industry-standard DG408, DG409, DG508A, and DG509A.

Key Features

- Pin Compatible with Industry-Standard DG408/DG409/DG508A/DG509A
- Guaranteed On-Resistance Match Between Channels (< 6Ω)
- Low On-Resistance (< 100Ω)
- Guaranteed Flat On-Resistance over Signal Range (< 11Ω)
- Guaranteed Low Charge Injection (< 5pC)
- NO Off-Leakage Current < 1nA at +85°C
- COM Off-Leakage Current < 2.5nA at +85°C
- ESD Protection > 2000V
- Low Power Consumption (< 300μW)
- Rail-to-Rail Signal Handling
- TTL/CMOS-Logic Compatible

Application

- Audio-Signal Routing
- Automated Test Equipment (ATE)
- Battery-Powered Applications
- Communication Systems
- Guidance and Control Systems
- Heads-Up Displays
- Low-Voltage Data Acquisition
- Military Radios
- PBX, PABX
- Sample-and-Hold Circuits



Recommended For You

MAX3992UTG

Maxim Integrated

QFN

MAX3875EHJ

Maxim Integrated

TQFP-32

MAX3873AEGP

Maxim Integrated

05

MAX3874EGJ+

Maxim Integrated

QFN

MAX3991UITG

Maxim Integrated

QFN

MAX3620CETT

Maxim Integrated

TDFN6

MAX3875AE/D

Maxim Integrated

BGA

MAX3875AEHJ+

Maxim Integrated

QFP32

MAX3876EHJ+

Maxim Integrated

BGA

MAX9383EUA

Maxim Integrated

MSOP8

MAX3875AEHJ

Maxim Integrated

TQFP-32

MAX3874AETJ+D

Maxim Integrated

BGA

MAX3872AETJ+T

Maxim Integrated

SMDSMT

MAX3876EHJ-T

Maxim Integrated

BGA

MAX3872ETJ+T

Maxim Integrated

QFN