

Extended PCM Interface Controller (EPIC-2) PEB 2056

Preliminary Data

CMOS IC

Type	Ordering Code	Package
PEB 2056-C	Q67100-H6117	C-DIP-28
PEB 2056-N	Q67100-H6116	PL-CC-44 (SMD)
PEB 2056-P	Q67100-H6115	P-DIP-28

The EPIC™-2 is a smaller version of the EPIC™-1. The functions that are performed remain essentially the same but the EPIC-2 has been optimized for time-slot assignment and switching functions on line cards with up to 8 ISDN subscriber lines:

EPIC™-1:

4 IOM® interfaces
4 PCM highways

Up to 32 ISDN subscribers

P-DIP-40/PL-CC-44 packages

EPIC™-2:

1 IOM® interfaces
2 PCM highways

Up to 8 ISDN subscribers

P-DIP-44/PL-CC-44 packages

Features

- PCM interface controller for up to 8 ISDN or 16 analog subscribers
- Time-slot assignment freely programmable for all subscribers
- Non-blocking switch for 24 channels (16B + 8D)
- Switching of 16 and 64 kbit/s channels
- Two serial interfaces: PCM and IOM®-2
- Interfacing to two full duplex PCM highways (1.5, 2 or 4 Mbit/s)
- Change detection ("last-look") logic for C/I channel
- Buffering for monitor channel
- Standard parallel μ P interface
- Advanced low power CMOS technology

8 ISDN Subscribers per PCM Interface Controller (EPIC-2)