SIEMENS

Extended PCM Interface Controller (EPIC-2) PEB 2056

Preliminary Data

<table>
<thead>
<tr>
<th>Type</th>
<th>Ordering Code</th>
<th>Package</th>
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<td>PEB 2056-C</td>
<td>Q67100–H6117</td>
<td>C-DIP-28</td>
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<td>Q67100–H6116</td>
<td>PL-CC-44 (SMD)</td>
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<td>PEB 2056-P</td>
<td>Q67100–H6115</td>
<td>P-DIP-28</td>
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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 µP interface
- Advanced low power CMOS technology

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