

Intelligent Network Termination Controller PEB/PEF 8191

The Intelligent Network Termination Controller (INTC-Q) is a one-chip NT for the ISDN. The INTC-Q is used for Intelligent NTs, NT1s and U- or S-terminals as well as terminal adaptors (TA). The INTC-Q provides the 2B1Q-U-interface together with the S/T-interface.

1. Potential application

- Intelligent NT 2B1Q
- Terminal Adapter
- Small PBX

2. Features:

ISDN U-transceiver, S-transceiver and D-channel HDLC controller on one chip.

- Perfectly suited for the intelligent NT in the ISDN or the NTN in NMDS
- U-interface (2B1Q) conform to ANSI T1.601, ETSI ETR 080 and CNET ST/LAA/ELR/DNP/822
 - Meets all transmission requirements on all ANSI, ETSI and CNET loops with margin
 - Conform to British Telecom's RC7355E
 - MLT input and decode logic (ANSI)
- S/T-interface conform to ITU Rec. I.430, ETS 300 12 and ANSI T1.605
 - Meets and exceeds all transmission requirements
 - Point-to-point or bus mode
- Activation status LED supported
- Integrated ICC-compatible D-channel controller
 - 64-byte FIFO storage of HDLC data per direction
 - Support of LAPD protocol
- IOM-2 interface for connection of SICOFI-2/4 TE, ARCOFI, ITAC, HSCX-TE, ISAR
- μ P access to B-channels and intercommunication channels
- μ P access to IOM-2 Monitor-channels and C/I-channels
- Low power CMOS technology with power-down mode

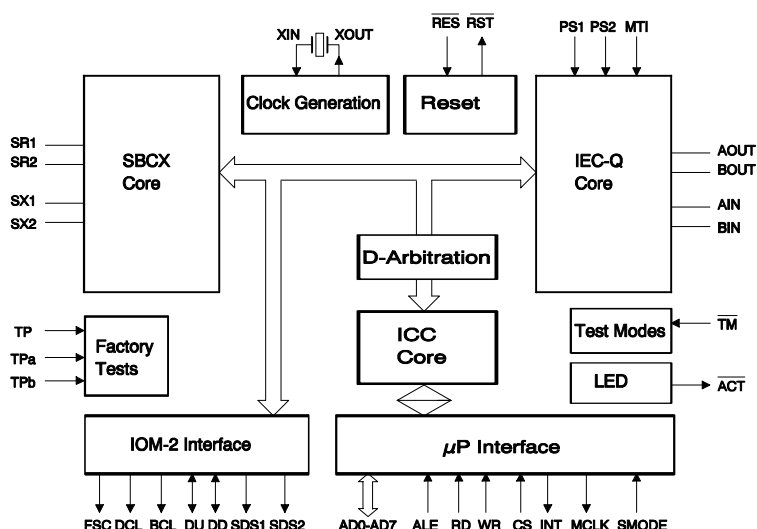
3. Packaging

Type	Ordering Code	Package
PEF 8191 F	Q67103-H6739 / H1041	T-QFP-64

4. Product status

Product	Step	Status	Changes
PEB/PEF 8191 F/H	V1.1	ES available, Prod. 10/97	

5. Diagram



6. Documentation (Please contact our sales office for details)

	<u>Date of issue/version</u>	<u>Type of material</u>
Data Sheet	11/97	Copy
	11/97	

7. Development and support tools

	<u>Availability</u>	<u>Ordering number</u>
SIPB 8191-8P	available	on request
SIPB 8191-16P	1Q98	
SIPB 8191-CS	available	on request
SIPB 8191-SS	1Q98	
SIPB 8191-SR	1Q98	
SIPB 8191-PB	1Q98	
SIPB 8191-RB	1Q98	

8. Applications

- Intelligent NT with SICOFI2-TE

