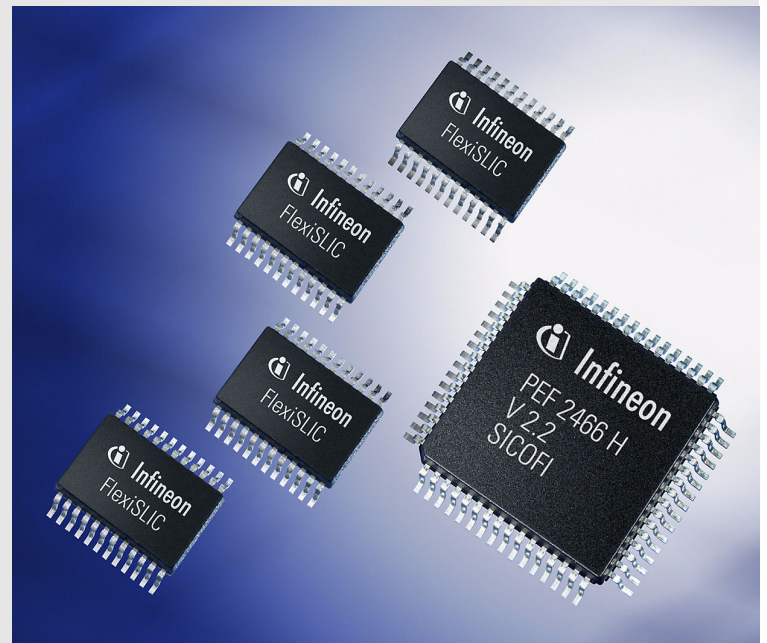


The SICOFI-4 μ C in combination with a member of the FlexiSLIC™ family enables building cost effective linecards with centralized ringing.

The FlexiSLIC™ offers pin and control compatible devices specialized for customer requirements, while minimizing board space and reducing the number of external components.

With seamless integration between the SICOFI-4 μ C and the FlexiSLIC™, and with fully programmable analog line functions, the SICOFI-4 μ C delivers country independent solutions with a single PCB design.

Generic linecards designed with the SICOFI-4 μ C and the FlexiSLIC™ give system designers significant economies of scale since one card is easily adapted to many different markets and applications.



Analog Linecard

Applications

- Analog linecards with centralized ring generator for balanced and unbalanced ringing

Features

- Country independent linecard design with a single PCB layout
- 4-channel Codec
- Three SLIC versions with the same pin out
- Compliant to ITU-T Q.552, G.712, LSSGR
- Software programmable gains frequency response, trans-hybrid balance, and impedance matching

- Metering up to 4.0 V_{ms} supported and TTX filter integrated
- Two PCM interfaces deliver up to 8 Mbit/s
- Control via a single serial controller interface (SCI/SPI)
- Programmable feed current up to 45 mA
- Two battery voltages for on-hook and off-hook with automatic battery switch
- Silent battery switching
- Constant current and resistive DC feeding
- Ground key and ground start supported

- Off-hook detection with programmable de-bounce time
- Line voltage measurement to determine line length or short circuits
- Level metering and loops support diagnostic tests
- Small number of operating states eases software development
- Very low power dissipation
- Small footprint SSOP packages
- Industrial temperature range available
- EASY 2466 and TB 208 evaluation boards are available

SICOFI® + FlexiSLIC™

Cost Effective Line Cards

PEB 2466

PBL 38620, PBL 38621, PBL 38650



Never stop thinking

Never stop thinking.

| Chip Set | PEB 2466, PBL 38620 | PEB 2466, PBL 38621 | PEB 2466, PBL 38650 |
|--------------------------------|------------------------|-------------------------------------|---------------------------|
| Application | Basic linecard | Line card with polarity reversal | Extended linecard |
| Maximum feed current | 30 mA | 30 mA | 45 mA |
| Polarity reversal | No | Yes | Yes |
| Metering | Low level | Low level | Up to 4.0 V _{ms} |
| Ground Key | Yes | Yes | Yes |
| Ground Start | No | No | Yes |
| Line voltage measurement | No | No | Yes |
| Ring relay driver | Integrated | Integrated | Integrated |
| Automatic battery switching | Yes | Yes | Yes |

Overview of SLIC Features

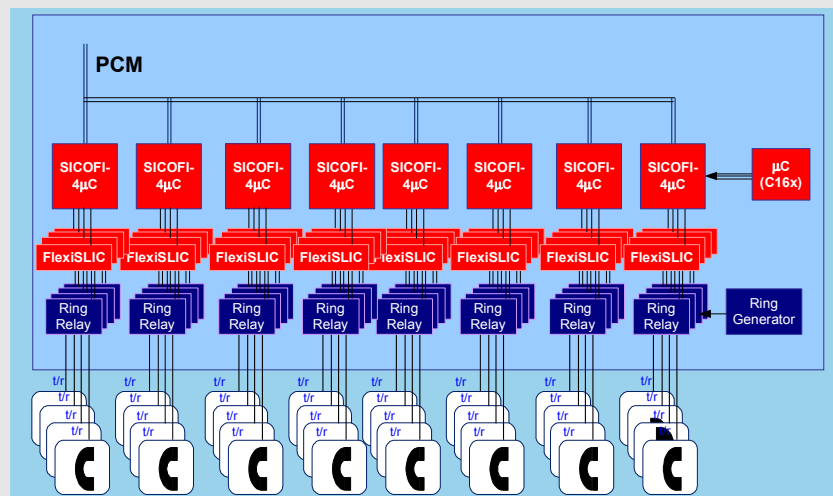
Ordering Information

Design Tools

| Type | Sales Code | Package | Description |
|-----------|------------|--------------------|--|
| SICOFI | EASY 2466 | Evaluation package | four-channel SICOFI-4 μ C TE board |
| FlexiSLIC | TB 208 | Evaluation package | single-channel FlexiSLIC board |

Chip Set

| Type | Sales Code | Package | Description |
|------------------|------------|-----------|---|
| SICOFI-4 μ C | PEB 2466 | P-MQFP-64 | SICOFI-4 μ C single-chip CMOS |
| FlexiSLIC | PBL 38620 | SSOP-24 | FlexiSLIC for basic linecard |
| FlexiSLIC | PBL 38621 | SSOP-24 | FlexiSLIC for linecard with polarity reversal |
| FlexiSLIC | PBL 38650 | SSOP-24 | FlexiSLIC for extended linecard functionality |



32-Channel Line Card

High density linecard with
centralized ring generator

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