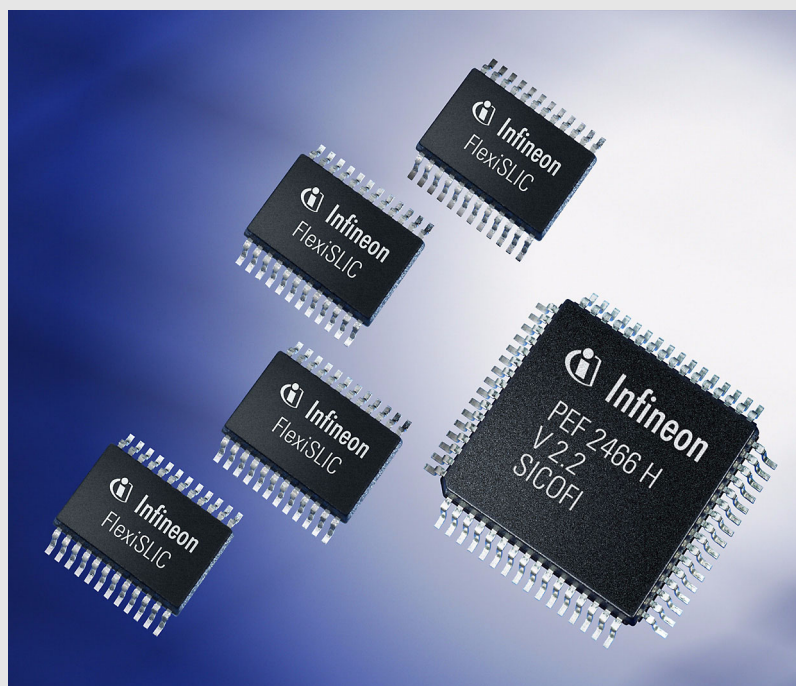


The SICOFI-4 $\mu$ C in combination with a member of the FlexiSLIC™ family enables building cost effective linecards with centralized ringing.

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 $\mu$ C and the FlexiSLIC™, and with fully programmable analog line functions, the SICOFI-4 $\mu$ C delivers country independent solutions with a single PCB design.

Generic linecards designed with the SICOFI-4 $\mu$ 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<sub>ms</sub> 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.

## Overview of SLIC Features

| 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 <sub>ms</sub> |
| 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                       |

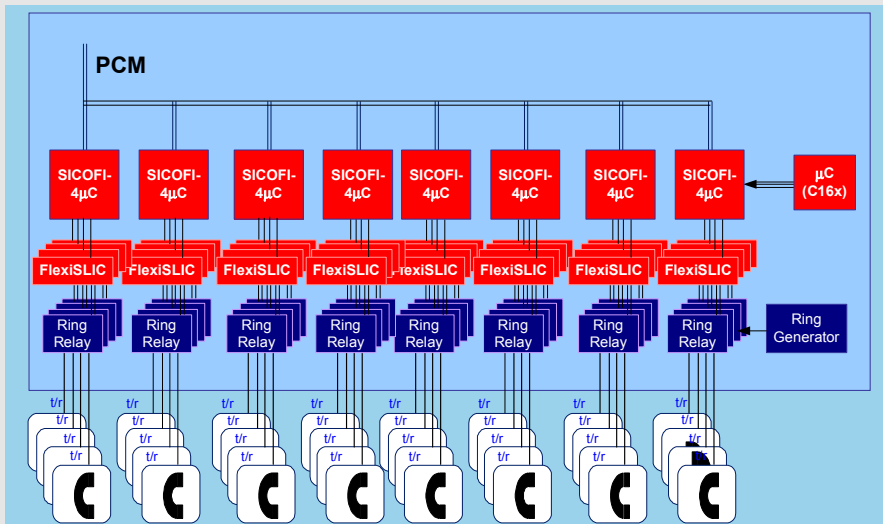
## Ordering Information

### Design Tools

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

### Chip Set

| Type       | Sales Code | Package   | Description                                   |
|------------|------------|-----------|-----------------------------------------------|
| SICOFI-4μC | PEB 2466   | P-MQFP-64 | SICOFI-4μC 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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