



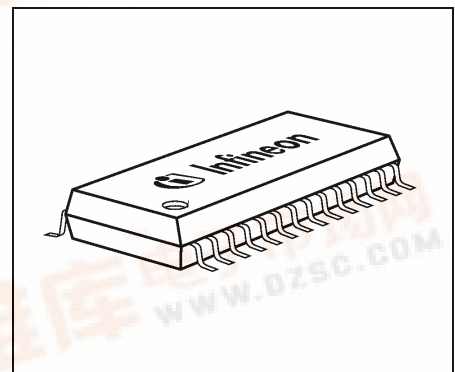
Airbag Satellite Receive IC (SatRIC)

TLE 7719

Overview

Features

- Receiver for current modulated data from 4 satellite channels
- Max. data rate 125 kBaud
- Decoding of 2 Manchester Protocols, programmable data length (up to 16 bit)
- Channel configuration in pairs (Data length, Code Type)
- Programmable sample clock generator with two clock options: internal system clock (1 MHz) or external clock line (up to 2 MHz)
- Supply of satellite channels via 4 independent +10.0 V voltage regulators
- Asynchronous and synchronous (automatic sync pulse generation) data transmission modes
- Logic operating voltage 5.0 V
- 2 Digital outputs for voltage-converted received satellite signals
- 16-bit - SPI Interface with Daisy chain capability
- Burst Read function allows fast readout of all four received satellite data
- Constant current threshold level over wide range of satellite quiescent current
- Current limitation to prevent device destruction in case of satellite output shorted to ground
- Leakage detection to GND or Supply Voltage; low line current detection
- Over-temperature shutdown for all channels
- Analogue output buffer for measurements via analog input of a μ C



Type	Package
TLE 7719	P-TSSOP-28

