

Si47971-72 Data Short

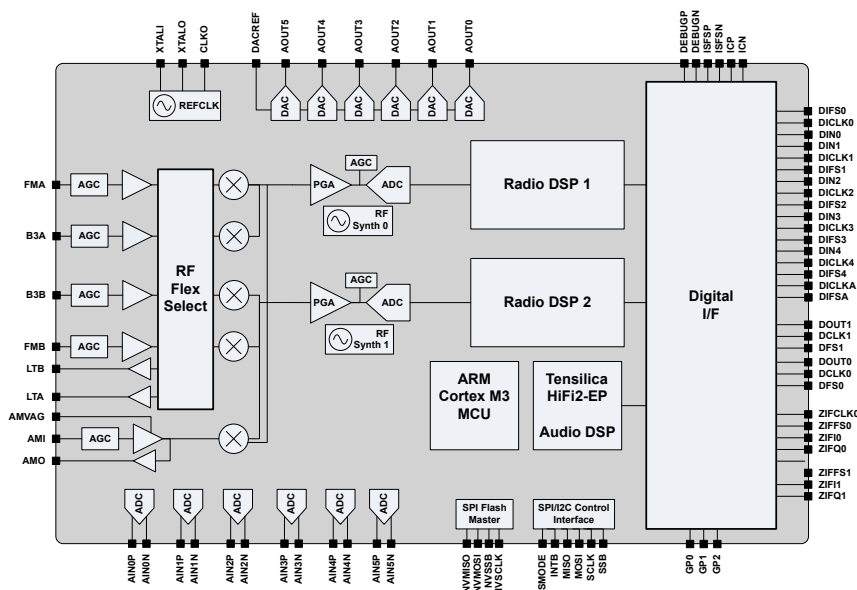
High-Performance Automotive AM/FM Radio Receiver and HD Radio™/DAB/DAB+/DMB/DRM Tuner with Audio System

The Si47971/72 integrates two global radio receivers with audio processing. The analog AM/FM receivers and digital radio tuners set a new standard for automotive broadcast reception. The integrated audio processing subsystem provides a complete solution to synchronize, process, aggregate, and distribute digital and analog audio signals in the head unit.

The Si47971/72 is the most integrated automotive tuner in the industry with the smallest external bill of materials. Si47971/72 based systems can scale from a low-cost dual tuner AM/FM radio to the highest performance systems with multiple tuners and multiple antennas, enabling the radio suppliers to reuse their R&D across multiple product lines, all with a common software API. The Si47971/72 A-grade parts meet rigorous automotive quality standards.

Applications

- OEM automotive infotainment systems
- Aftermarket car radio systems



1. Pin Descriptions

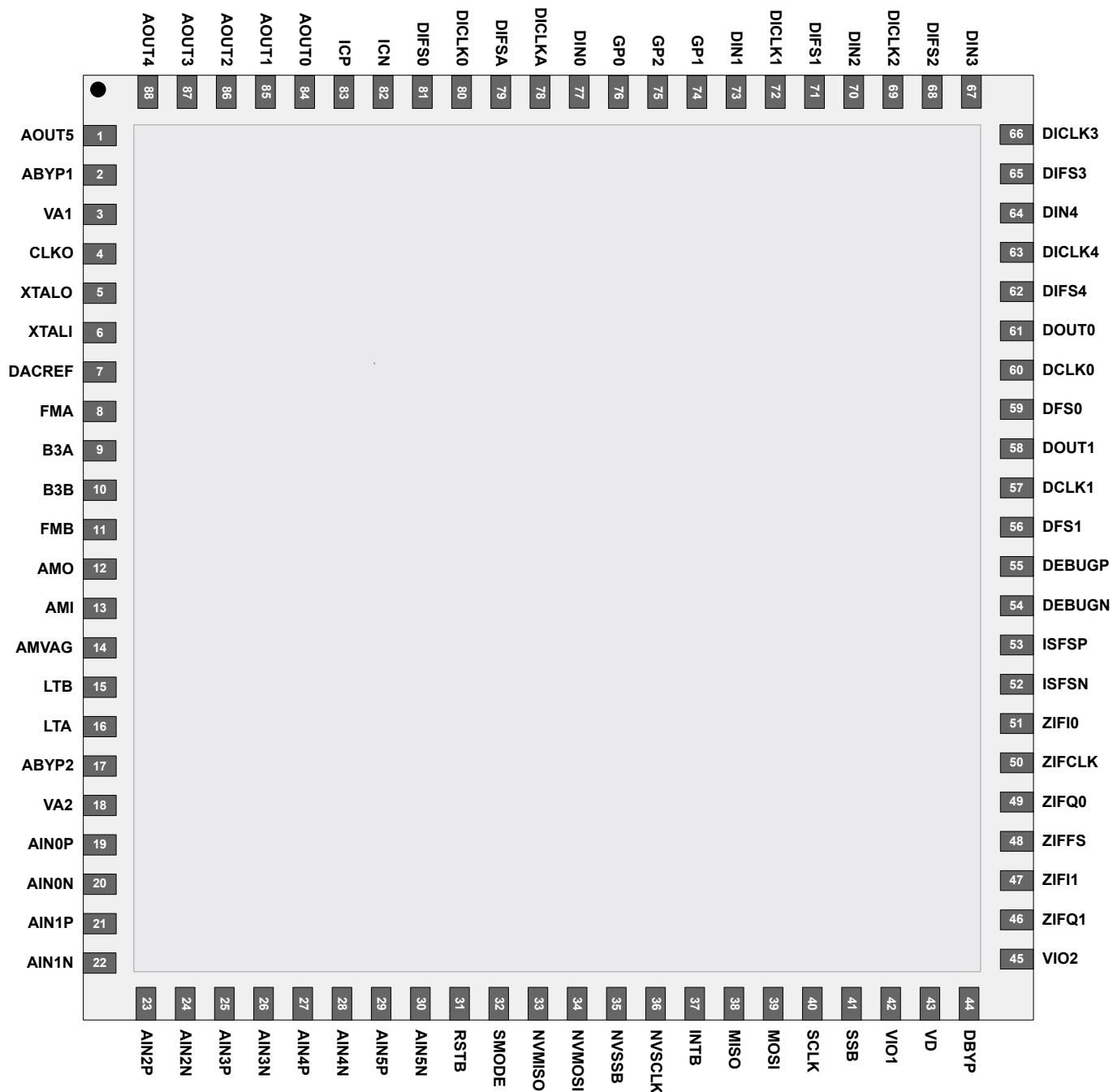


Figure 1.1. Si47971-72 Pinout Diagram

2. Package Outline

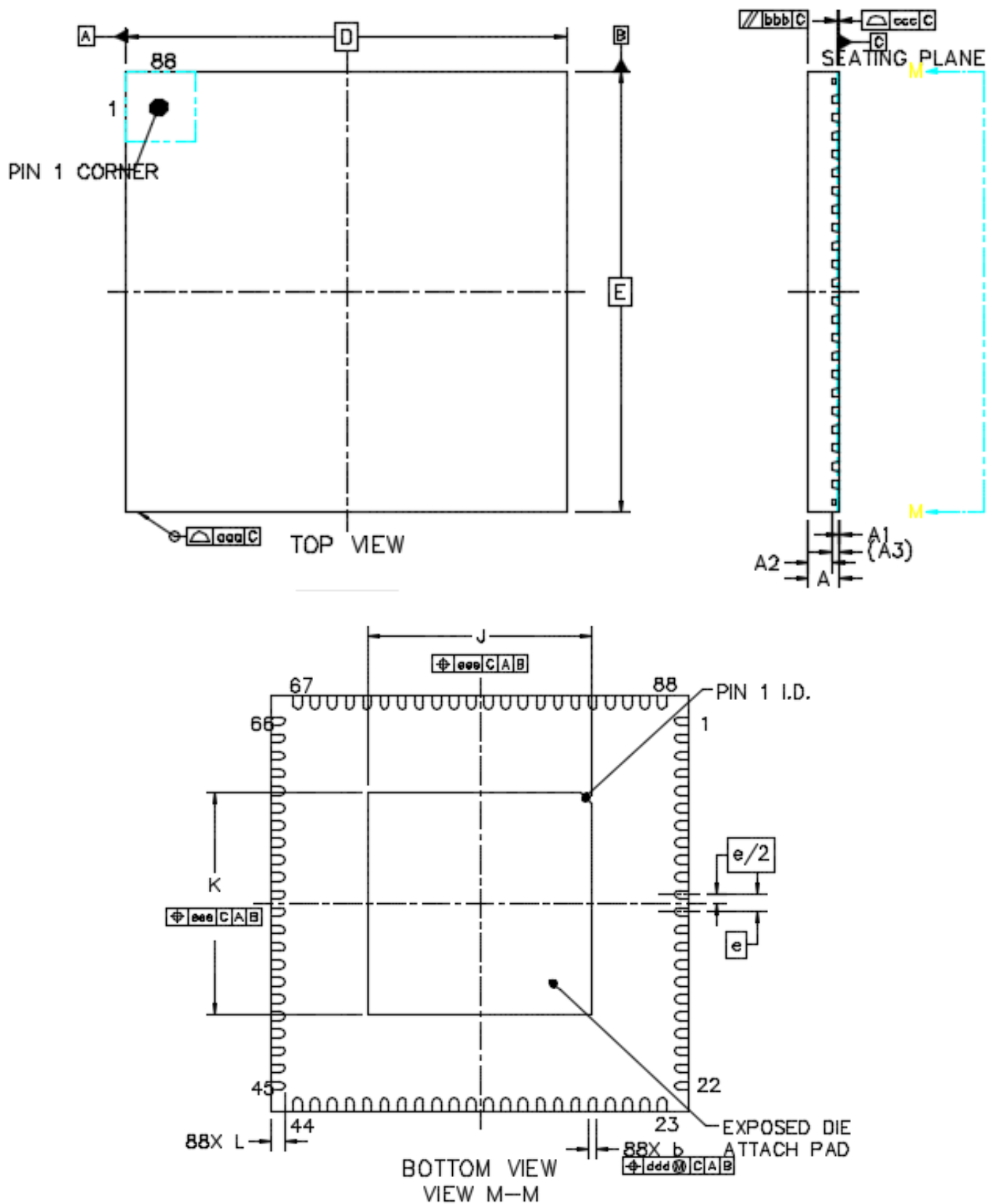


Table 2.1. Package Dimensions

Dimensions	Min	Nom	Max
A	0.80	0.85	0.90
A1	0.00	0.035	0.05
b	0.20	0.25	0.30
A3	0.203 REF		
D	12.00 BSC		
e	0.5 BSC		
E	12.00 BSC.		
D2	6.30	6.40	6.50
E2	6.30	6.40	6.50
L	0.35	0.40	0.45
K	0.20	—	—
aaa	0.10		
bbb	0.10		
ccc	0.08		
ddd	0.10		
eee	0.10		
Note: 1. All dimensions shown are in millimeters (mm) unless otherwise noted. 2. Dimensioning and Tolerancing per ANSI Y14.5M-1994. 3. Recommended card reflow profile is per the JEDEC/IPC J-STD-020 specification for Small Body Components.			

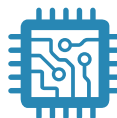


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