Ordering number : ENN*8048

Preliminary

SANYO Semiconductors
DATA SHEET

LA76828N — Monolithic Linear IC
I^2C Bus Control IC

Overview

The LA76828N is I^2C bus controller ICs that support the different TV broadcast formats used worldwide and aim for rationalization of color TV set design, improved manufacturability, and lower total costs

Features

- Single crystal multiformat system that supports the different TV broadcast formats used worldwide
  Multiformat system : LA76828N (YCbCr and E/W support)
- Adjustment-free VIF/SIF, audio trap/audio bandpass filters
- Adjustment-free horizontal resonator system
- Simplified SG
- Supply voltage : V_{CC} = 5V/9V
- VIF/SIF
  Adjustment-free VCO, 4-mode audio trap/audio bandpass filter, buzz canceller
  RF AGC/video level
  SIF system automatic discrimination (The LA7973 is used as the automatic discrimination IC.)
- Single crystal color system : PAL, NTSC, SECAM (The LA7642N is used as the SECAM decoder.)
- Black stretch, sharpness control with coring on/off control, built-in variable Y system filters
  (Y-DL and chrominance trap)
- Chrominance bandpass filter, demodulation ratio and angle control
- E/W support

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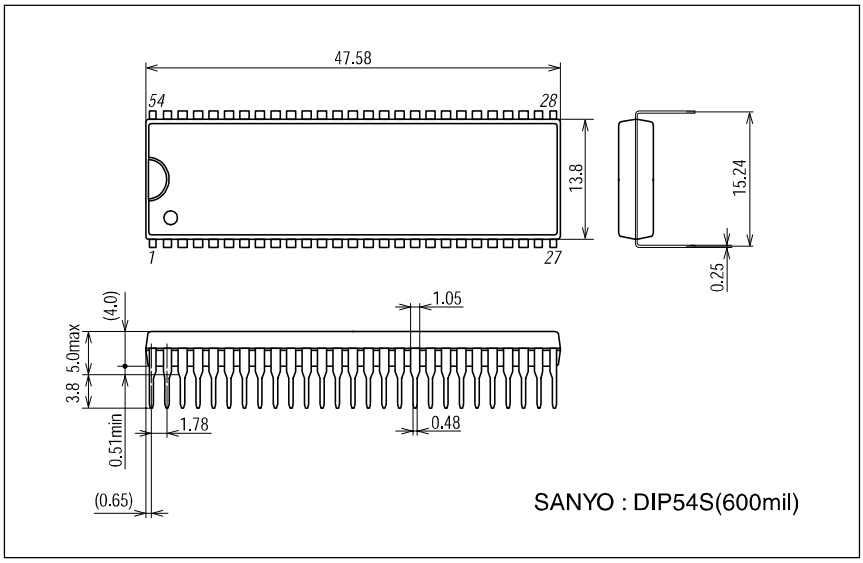
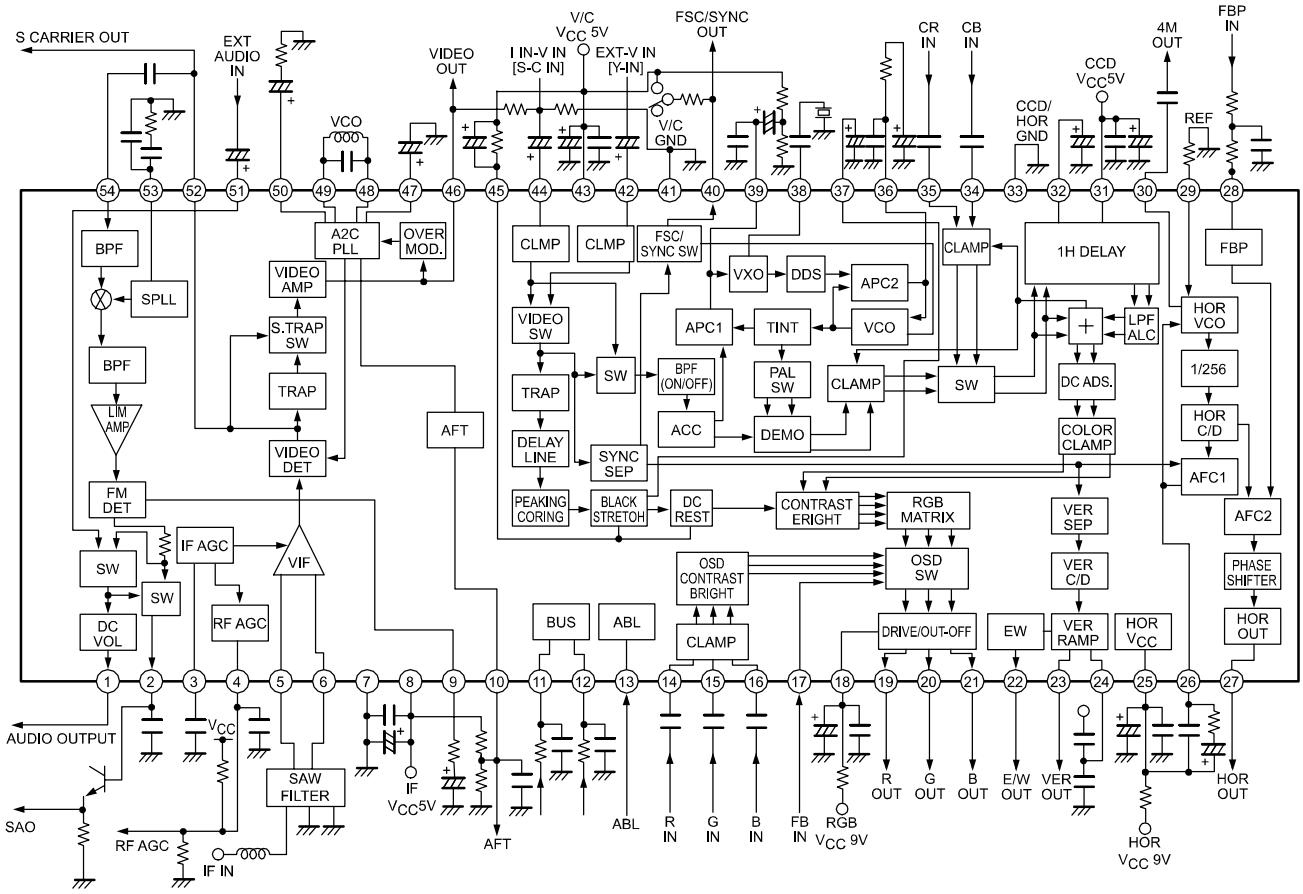
Package Dimensions

unit : mm

3273



Block Diagram



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