

TRANSMISSION ICs

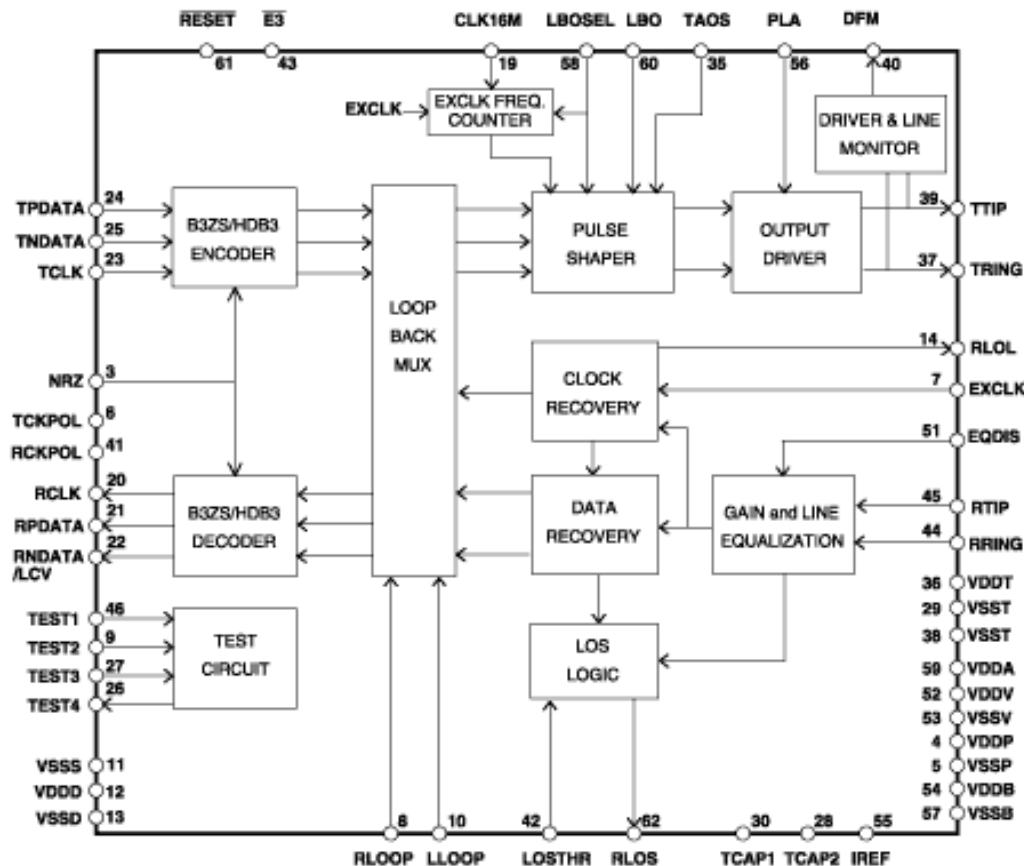
AK2504

DS3/STS-1/E3 Analog Line Transceiver



64-pin LQFP (10 × 10 × 1.4 mm)

1. Single chip Transmit and Receive interface for DS3, STS-1 and E3
2. Transmit Pulse Level Adjustment with an external resistance
3. Selectable 225ft/120ft Line Built Out function
4. "Robust" DSP based line transceiver
5. Provides Line Equalization, and Clock and Data Recovery Functions
6. Compliance with Bellcore GR-499-CORE and GR-253-CORE, ANSI T1.102, T1.404,
7. Compliance with ITU-T G.703 and G.823
8. Local/Remote Loopback functions
9. B3ZS/HDB3 Encoder/Decoder
10. External Clock: 44.736MHz for DS3, 51.84MHz for STS-1, 34.368MHz for E3
11. Single + 3.3Volt supply
12. IDD 160mA max
13. Package: 64-pin LQFP
14. Evaluation Board: AKD2504



AK2504 BLOCK DIAGRAM