

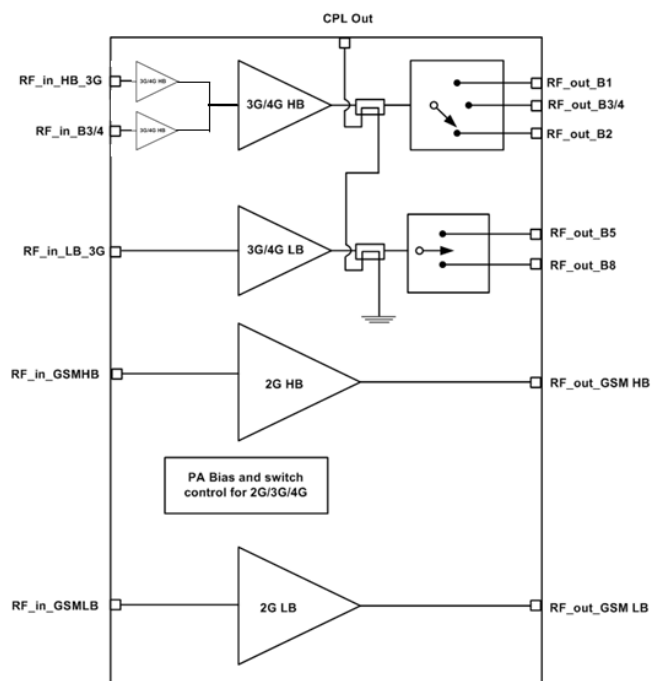
Applications

- GSM/EDGE/WCDMA/LTE Applications
- PB WCDMA + QB EDGE Applications
- HSDPA/HSUPA/HSPA+ Applications
- LTE Applications / EVDO rev A/B

Product Features

- Quad-Band Linear GSM/EDGE
- UMTS B1,2,3/4 and B5,8
- Input power controlled – GMSK and 8PSK
- GSM has 2 modes – HPM, LPM
- W/CDMA has 2 modes – HPM, LPM
- HBT / CuFlip® PA Technology
- Integrated coupler and Band distribution switches
- Built-in voltage regulator
- 50Ω input and Output Impedance
- Lead-free 260°C / RoHS / Halogen-free
- 42 Pin 5x7x1.0 mm Package

Functional Block Diagram



General Description

The TQM7M9050 is a fully matched multimode multiband Power Amplifier Module that supports Quad-band Linear GSM/EDGE, W/CDMA & LTE Bands 1, 2, 3/4, 5, & 8. The GSM PA output power is controlled by the input power coming from the transceiver in both GMSK and 8PSK modes. The 2-Gain state WCDMA PA operates in LPM and HPM to maximize talk time over the entire range of operating conditions. It also includes a coupler and built-in regulator, ideal for today's extremely small data enabled phones.

The TQM7M9050 is designed on TriQuint's GaAs HBT technology with CuFlip® assembly offering state of the art reliability, temperature stability and ruggedness. RF performance meets the stringent linearity requirements for multi-mode operation.

Ordering Information

Part No.	Description
TQM7M9050	QB EDGE+ Penta Band WCDMA MM PAM

Standard T/R size = 2,500 pieces on a 7" reel.