PAGODA
TRX ARCHITECTURE
OVERVIEW

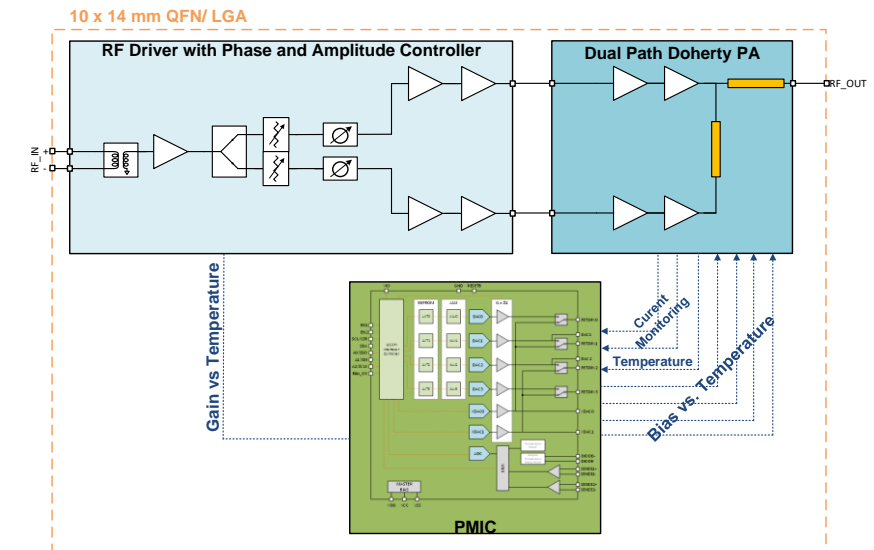JUNE 2021

BIG IDEAS
FOR EVERY SPACE

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PAGODA – NEW AAS TRX ARCHITECTURE USING RENESAS' PATENTED IP
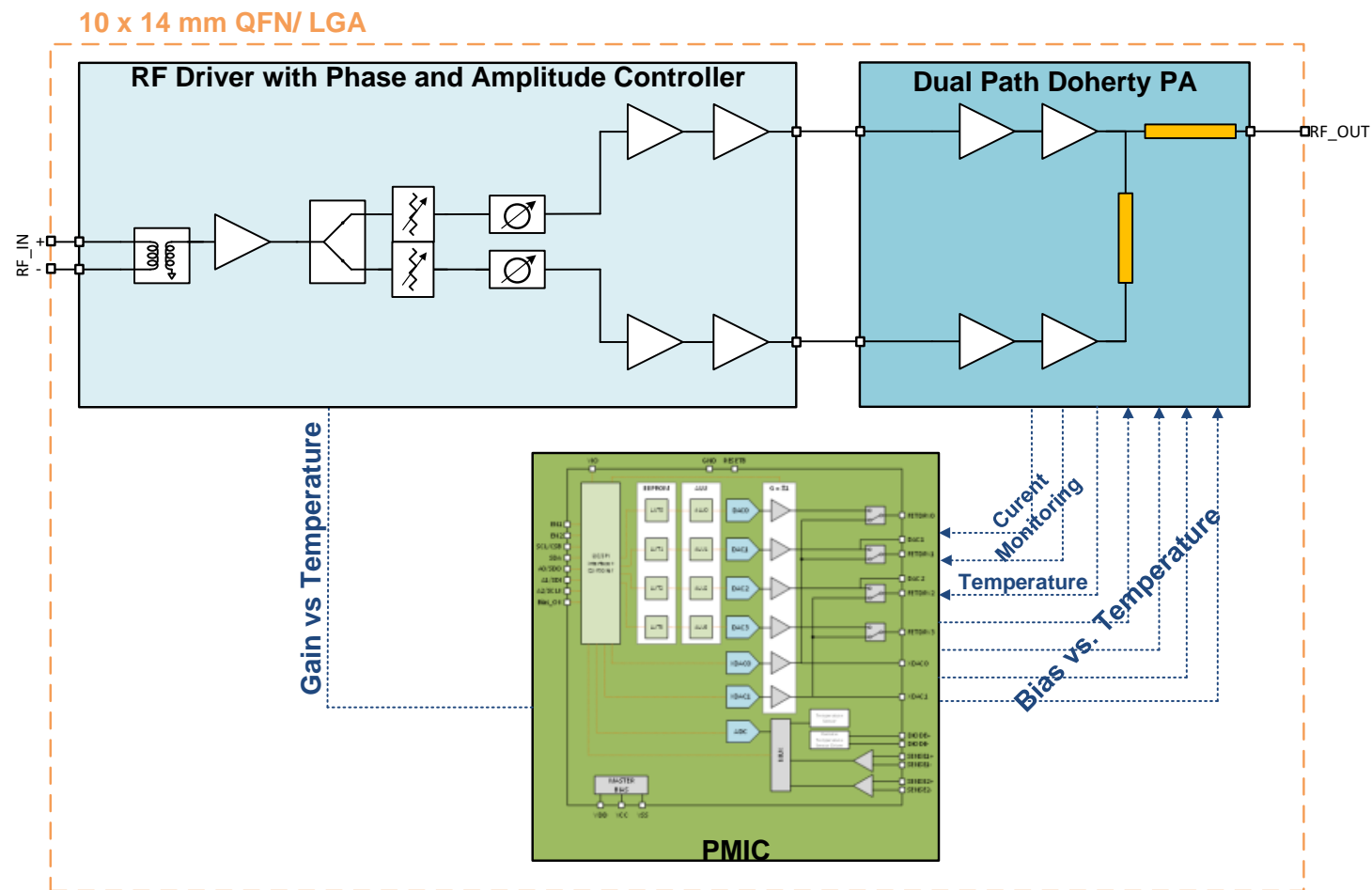## (PHASE, AMPLITUDE AND GATE-BIAS OPTIMIZER FOR DOHERTY AMPLIFIERS)

Features

- In-Factory calibration of Gain & Doherty PA bias vs temperature

- PA's current monitoring for Idq Drift compensation (GaN)

- Temperature monitoring for bias and Gain compensation

- On the fly Phase & Power Split ratio adjustment for optimum TX performance (factory variations, efficiency and DPD) vs IBW & PAR & power mode (nominal Vsupply or low power mode with reduced Vsupply)

- LGA 10 x 14 mm or equivalent

- Pout 5-10W avg, Gain >40 dB

- Highly integrated, cost effective
- To be available as individually packaged solution or integrated into an MCM

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Thank you

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