Ethernet Media Converter for Drones, Rovers, Mobile Robotics and Automotive
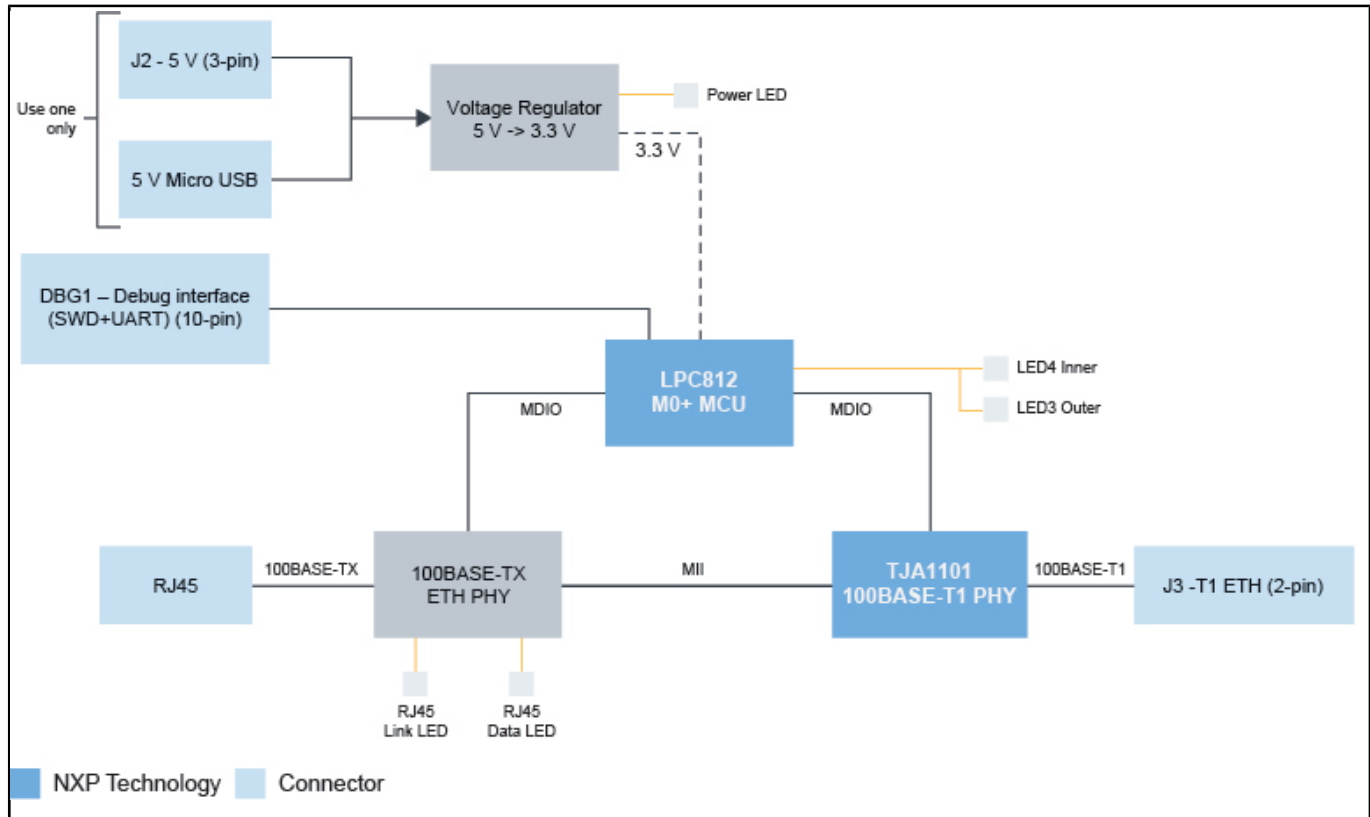
RDDRONE-T1ADAPT

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The RDDRONE-T1ADAPT media converter translates between automotive 2-wire Ethernet (100BASE-T1) to Fast Ethernet (100BASE-TX). Automotive IEEE 100BASE-T1 compliant, with 100Mbit/s transmit and receive capability up to at least 15m of unshielded twisted pair (UTP) cable.

Based on the TJA1101B 100BASE-T1 PHY and the LPC812 microcontroller Arm® M0+ MCU family, this plug and play tool is well suited for the evaluation and debugging of 100BASE-T1 Ethernet networks in various applications like Automotive, Industrial and IoT segments. Further, it can be used to develop distributed architectures where robotics nodes are connected over robust and reliable 100BASE-T1 Ethernet interfaces.

Learn more about our Ethernet products.

Block Diagram

View additional information for Ethernet Media Converter for Drones, Rovers, Mobile Robotics and Automotive.

Note: The information on this document is subject to change without notice.