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User's Manual

QB-78F8032-EA-01T

Exchange adapter (On board LIN Transceiver & Voltage Regulator)

Target Device:

µPD78F8032D

µPD78F8030

μPD78F8029

µPD78F8028

µPD78F8027

μPD78F8026

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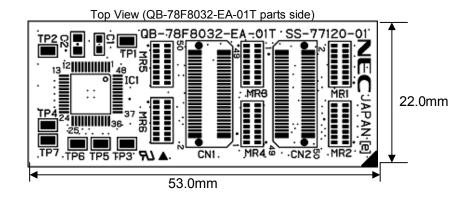
第1章 概説

QB-78F8032-EA-01T は、電源と LIN Transceiver 機能を搭載したエクスチェンジ・アダプタです。 µPD78F8026/78F8027/78F8028/78F8029/78F8030/78F8032D を用いたシステム開発において、本製品と QB-78K0KX2 を組み合わせるとハードウェアおよびソフトウェアを効率的にディバッグできます。

CHAPTER 1 GENERAL

The QB-78F8032-EA-01T is an exchange adapter on board voltage regulator and LIN transceiver function.

Hardware and software can be debugged efficiently in the development of systems in which the $\mu PD78F8026/78F8027/78F8028/78F8029/78F8030/78F8032D$ are used by combining with this product and QB-78K0KX2.



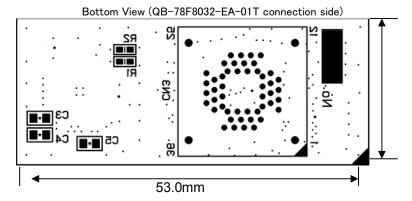
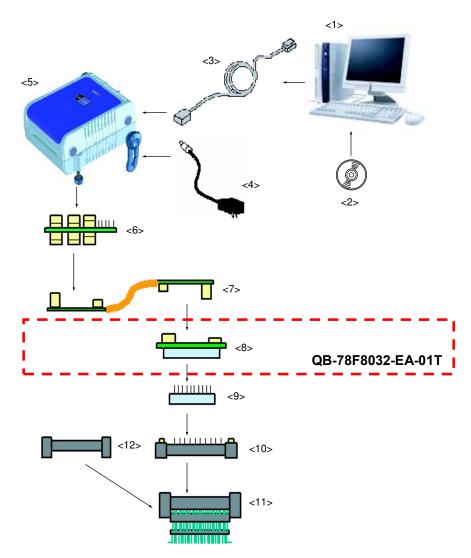


Figure 1-1. Emulation System Configuration for µPD78F8026/78F8027/78F8028/78F8029/78F8030/78F8032D



<1> Host machine: Product provided with USB port
<2> ID78K0-QB Disk/Accessory Disk: Debugger, USB drivers, manual, etc.

<3> USB interface cable: Cable connecting QB-78K0KX2 to host machine

<4> AC adapter: AC adapters classified by region

<5> QB-78K0KX2: In-Circuit Emulator

<6> Check pin adapter: Adapter used when observing waveforms on oscilloscope

<7> Emulation probe: Flexible type of emulation probe

<8> Exchange adapter: On board LIN transceiver and Voltage Regulator adapter that QB-78F8032-EA-01T performs pin conversion

<9> Space adapter: Adapter for height regulation

<10> YQ connector: Connector that connects exchange adapter to target connector

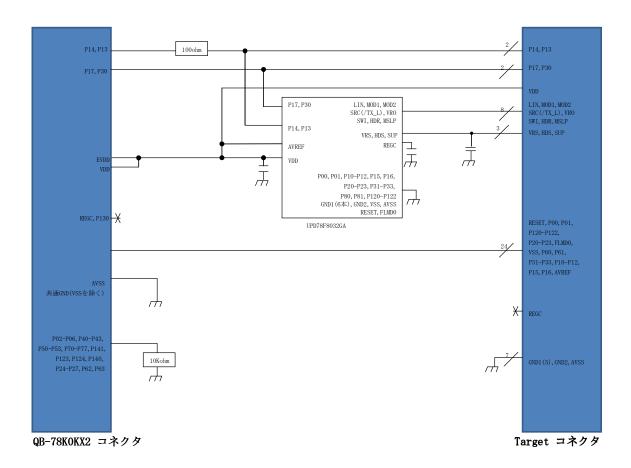
QB-48GA-YQ-01T

<11> Target connector: Connector soldered to target system

QB-48GA-NQ-01T

<12> Mount adapter: Adapter for socket mounting target device

QB-78F8032-EA-01T Block Diagram



第2章 注意事項

- 1. QB-78F8032-EA-01T は、電源回路、LIN トランシーバ回路の過熱保護機能を保証していません。
 - QB-78F8032-EA-01T を過熱状態および過電流状態で使用しないでください。
- 2. QB-78F8032-EA-01T 上の SUP,AVREF,VDD 端子にターゲット・ボードから電源が必ず供給された状態でディバッグしてください。
- 3. SUP と HDS は同電位, VRO, VRS と VDD 端子は同電位としてください。
- 4. SUP, HDR, HDS, LIN, SWI 端子には、20V 以上印加しないでください。

CHAPTER 2 CAUTIONS

- The over temperature protect function of Voltage regulator circuit and LIN transceiver circuit is not guarantee on QB-78F8032-EA-01T. To operate with overheat or over current on QB-78F8032-EA-01T is not allowed.
- 2. In the debug, SUP, AVREF, VDD terminal on QB-78F8032-EA-01T have to be supplied power by target board.
- Make SUP the same potential as HDS, and make VDD the same potential as VRO, VRS.
- 4. To supply the SUP, HDR, HDS, LIN and SWI terminal more than 20V is not allowed.

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