M32171T-PTC

Converter for In-circuit Connection (for 32171 Group)

Function

This converter is used exclusively for debugging with the emulator M32100T5-SDI-E, M32100T3-SDI-E, M32100T2-SDI-E or M32100T-SDI-E (Discontinued product) when the target is an M32171FxxFP of M32R Family 32171 Group MCUs and is connected in-circuit with the emulator. It allows debugging such as real-time tracing. It is not only for debugging but also for evaluation by mounting on the target system.
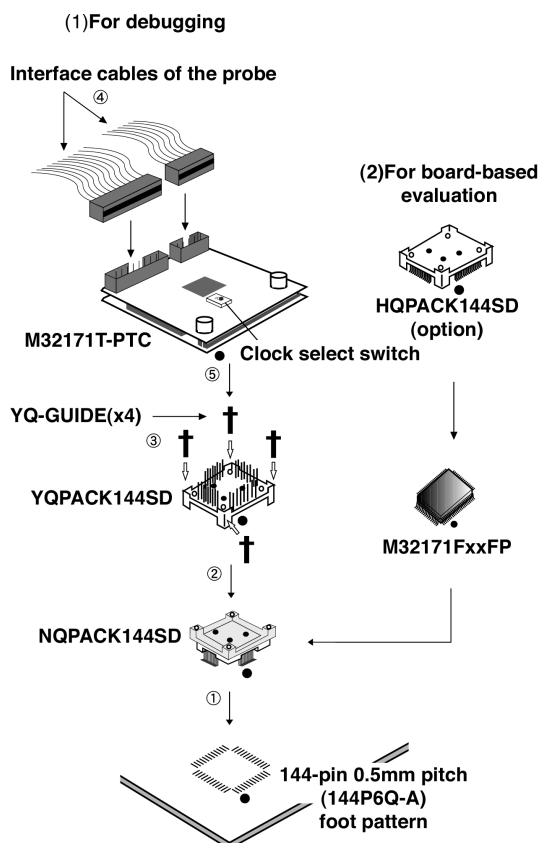
Attaching Procedure

When debugging

(1) Mount the NQPACK144SD on the foot pattern on the target system.
(2) On top of (1), mount YQPACK144SD.
(3) Screw down the YQPACK144SD with YQ-GUIDE's.
(4) Connect the JTAG cables on the probe of the emulator to M32171T-PTC.
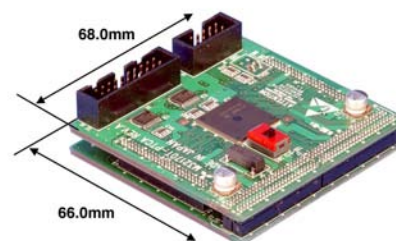(5)Y Connect YQPACK144SD and M32171T-PTC.

During board-mounted evaluation

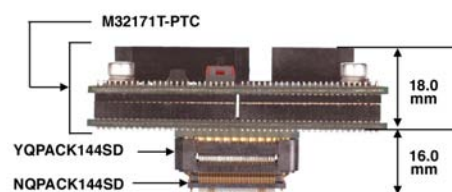On NQPACK144SD mounted on the target system, first put an MCU (M32171FxxFP), and then the HQPACK144SD (option).

(1)For debugging

Interface cables of the probe

M32171T-PTC   ● **Clock select switch**

(2)For board-based evaluation

HQPACK144SD (option)

YQ-GUIDE(x4)

YQPACK144SD

M32171FxxFP

NQPACK144SD

144-pin 0.5mm pitch (144P6Q-A) foot pattern

*. ①~⑤ show the connecting procedure.
*.   No. 1 pin

External View and Dimensions

68.0mm

66.0mm

《 Side view 》

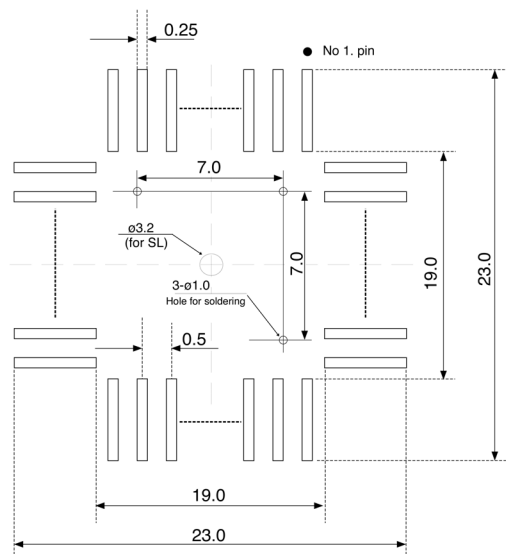M32171T-PTC

YQPACK144SD

NQPACK144SD

18.0 mm

16.0 mm

Package Components

- M32171T-PTC converter
- YQPACK144SD (made by Tokyo Eletech Co., Ltd.)
- NQPACK144SD (made by Tokyo Eletech Co., Ltd.)
- YQ-GUIDE ($\times$ 4)
- Phillips screw driver (made by Tokyo Eletech Co., Ltd.)
- User's manual

*Required components to connect to the target system are included with this product package. Each component made by Tokyo Eletech Co., Ltd. is optionally available alone from Tokyo Eletech Co., Ltd.
See Appendix G "Contact Addresses for Partner Products".

Recommended Foot Pattern (Unit: mm)

0.25

● No 1. pin

7.0

ø3.2 (for SL)

3-ø1.0 Hole for soldering

7.0

0.5

19.0

23.0

19.0

23.0

[Ordering Information] See Appendix H "Ordering Information".

*All brand names and product names are trademarks or registered trademarks of their respective companies.