RENESAS Tool News

Pitch Converter Boards
PCA7750G02-BARE and PCA7750G02 Released

We have released the PCA7750G02-BARE and PCA7750G02 boards for converting pitches from 0.8 mm to 2.54 mm (standard pitch).

---

1. **Outlines**

    1.1 PCA7750G02-BARE

    As a pitch converter, this board enables you to connect an MCU encapsulated in the 80P6N-A or 80D0 package to the standard 2.54-mm-pitch universal board, which is useful in prototyping.

    On the board is printed a foot pattern used for either the 80-pin 0.8-mm-pitch QFP package (80P6N-A) or the 80-pin 0.8-mm-pitch LCC one (80D0), and on the pattern can be mounted any of the following IC sockets for accommodating an MCU in the 80P6N-A or 80D0 package. (See Notes 1 and 2.):

    * MCU of the 80P6N-A package can be mounted directly on the pattern.
    - MCU of the 80P6N-A package manufactured by Renesas Technology Corp.
    - IC61-080-079 for 80D0 (surface mounted LCC),
    - IC61-080-081 for 80D0 (hand-soldered LCC), and
    - IC61-0804-046 for 80D0 (hand-soldered LCC) manufactured by Yamaichi Electronics Co., Ltd.
    - AXS4803M19 for 80P6N-A (QFP) manufactured by Matsushita Electric Works, Ltd.
    - NQPACK080RA (converter board) for 80P6N-A (QFP) manufactured by Tokyo Eletech Corporation

    Notes:
    1. The PCA7750G02-BARE is the modified product of the current PCA7750-BARE such a way that the latter's foot pattern is redesigned to accept the AXS4803M19 and NQPACK080RA QFP sockets.
    2. When you use MCU of the 80D0 package, please mount any of the above-listed LCC sockets for it instead of mounting directly MCU on the pattern.

    1.2 PCA7750G02

    This converter board consists of a PCA7750G02-BARE board and an 80-pin 0.8-mm-

pitch LCC socket already mounted on it. So an MCU encapsulated in the 0.8-mm-pitch LCC package (80D0) can easily be connected to the standard 2.54-mm-pitch universal board through this, which is useful in prototyping.

Note that between the PCA7750G02 and the current PCA7750, there are no differences in their functions since they have an already-mounted LCC socket of the same type on their foot patterns.

NOTICE:

As stated above, there are no differences between the PCA7750G02 and the PCA7750 in their functions. So please be aware that if you place the order of a PCA7750G02 product, a PCA7750 may be delivered for some period of time.

For more details, see the following datasheets.
PCA7750G02-BARE
PCA7750G02

2. Ordering Information

Product Type	Type Name	Comment
PCA7750G02-BARE	PCA7750G02-BARE	-
PCA7750G02	PCA7750G02	-