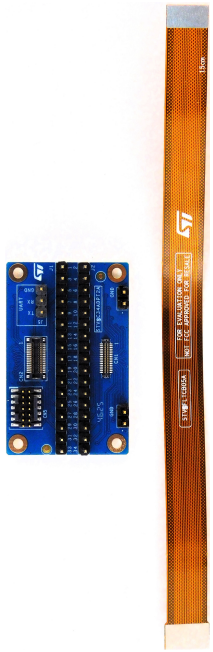
STEVAL-C34ADPTK1

Data brief

C34 connector breakout expansion board kit



Features

- Adapter board:
  - Small form factor with pass-through feature
  - All pin exposed
  - Dedicated connectors for serial communication
  - Arm SVD connector
- STEVAL-FLTCB05
  - 15 cm flex cable
- Compatible with ST evaluation boards featuring the C34 connector, including:
  - STEVAL-STWINBX1
  - STEVAL-ASTRA1B
  - STEVAL-PROTEUS1
  - STEVAL-NBIOTV1

Description

The STEVAL-C34ADPTK1 kit includes the STEVAL-C34ADPT2 adapter board and the STEVAL-FLTCB05 flex cable, measuring 15 cm in length, to ensure reliable connections.

The kit is designed to enhance connectivity and expand the interfacing capabilities of ST evaluation boards with CN34 connectors.

The STEVAL-C34ADPTK1 is suitable for developers and engineers aiming to integrate additional peripherals and modules into their evaluation setups. Additionally, the kit supports debugging through exposed spare pins.

Product summary	
C34 connector breakout expansion board kit	STEVAL-C34ADPTK1
STWIN.box - SensorTile Wireless Industrial Node Development Kit	STEVAL-STWINBX1
Multiconnectivity asset tracking reference design based on STM32WB5MMG and STM32WL55JC	STEVAL-ASTRA1B
Industrial sensor evaluation kit for condition monitoring based on the 2.4 GHz STM32WB5MMG module	STEVAL-PROTEUS1
NB-IoT evaluation platform and reference design for asset tracking, smart cities and metering with ST87M01	STEVAL-NBIOTV1
Applications	Factory automation Industrial sensors

1 Schematic diagrams

Figure 1. **STEVAL-C34ADPT2 circuit schematic**

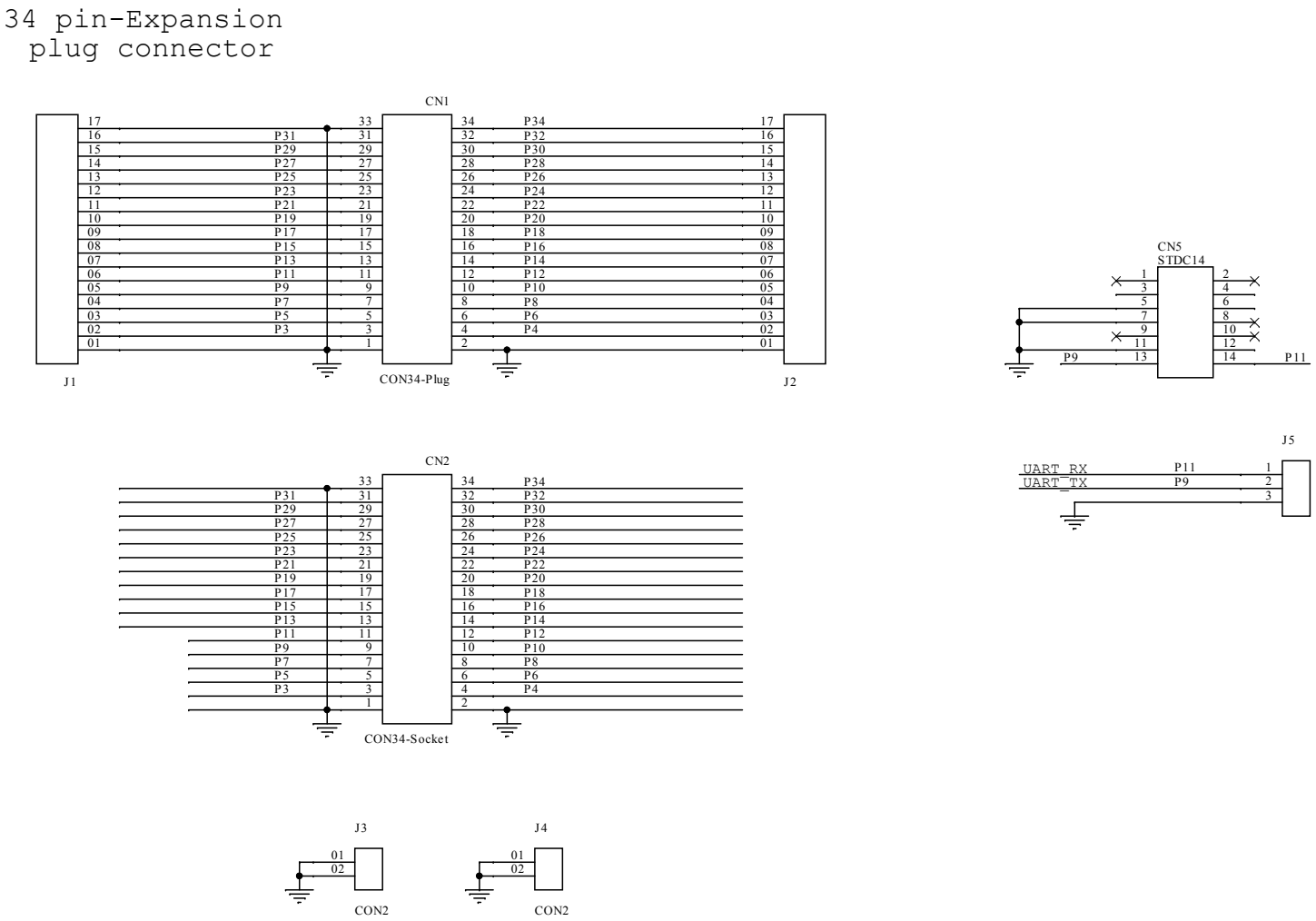
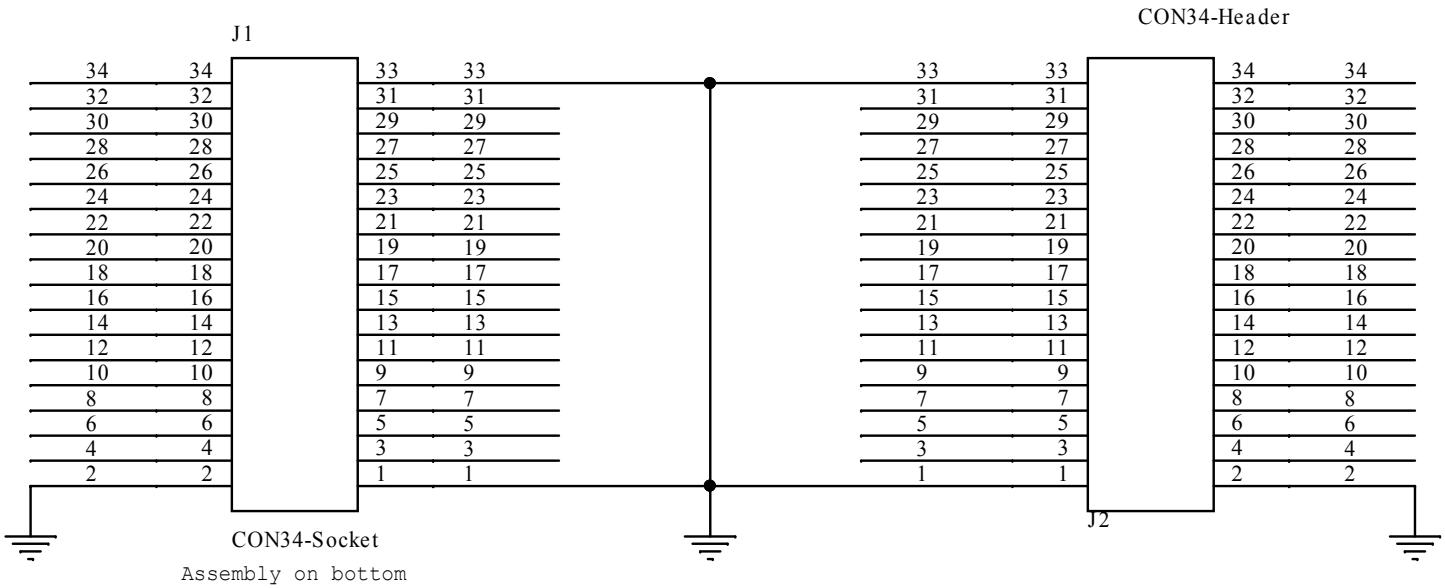


Figure 2. STEVAL-FLTCB05 circuit schematic



2 Kit versions

Table 1. STEVAL-C34ADPTK1 versions

PCB version	Schematic diagrams	Bill of materials
STV$C34ADPTK1A(1)	STV$C34ADPTK1A schematic diagrams	STV$C34ADPTK1A bill of materials

1. *This code identifies the STEVAL-C34ADPTK1 evaluation kit first version. The kit consists of a STEVAL-C34ADPT2 adapter board whose version is identified by the code STV$C34ADPT2A and a STEVAL-FLTCB05 flex cable whose version is identified by the code STV$FLTCB05A.*

Revision history

Table 2. **Document revision history**

Date	Revision	Changes
15-Jan-2026	1	Initial release.

IMPORTANT NOTICE – READ CAREFULLY

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice.

In the event of any conflict between the provisions of this document and the provisions of any contractual arrangement in force between the purchasers and ST, the provisions of such contractual arrangement shall prevail.

The purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgment.

The purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of the purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

If the purchasers identify an ST product that meets their functional and performance requirements but that is not designated for the purchasers' market segment, the purchasers shall contact ST for more information.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, refer to www.st.com/trademarks. All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.