



# STEVAL-SPIMD20V1

## STEVAL-SPIMD20V1 demonstration kit based on the SPIMD20 integrated motor drive

Data brief

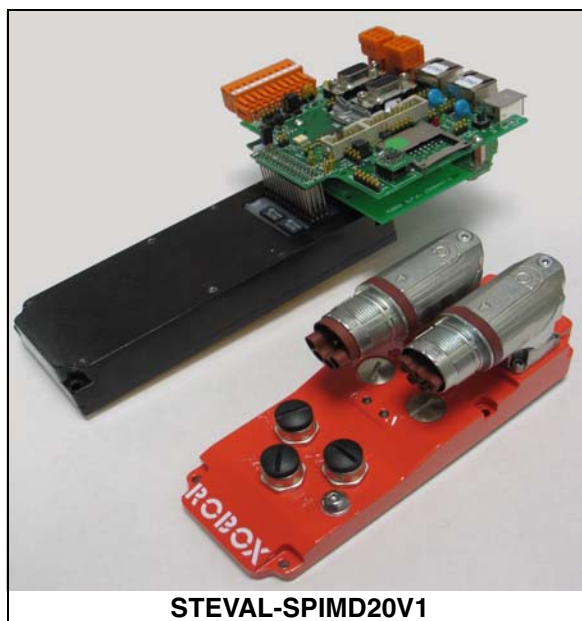
### Features

- Complete with:
  - 2 kW shuttle module (SPIMD20)
  - connection board adapter
  - junction tower for mounting on motor
  - all required cables and connectors
  - software package
  - documentation
- RoHS compliant

### Description

The STEVAL-SPIMD20V1 demonstration kit provides a complete demonstration platform for evaluating the functionality and the performance of the SPIMD20 power drive system designed by STMicroelectronics in cooperation with ROBOX S.p.A.

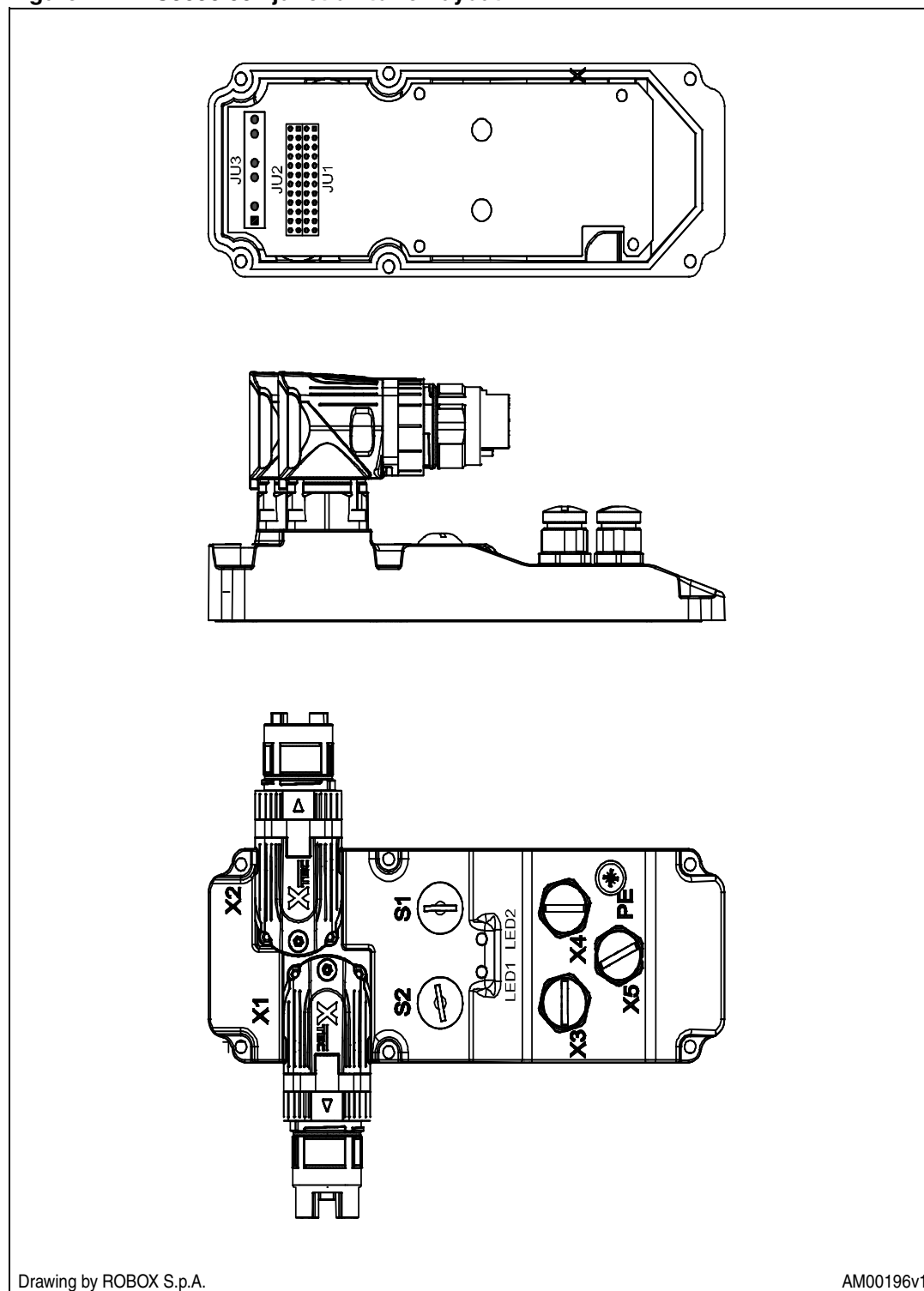
The SPIMD20 is an integrated motor drive with real-time connectivity enabling brushless motor manufacturers to create a proprietary motion control system based on a general purpose brick.

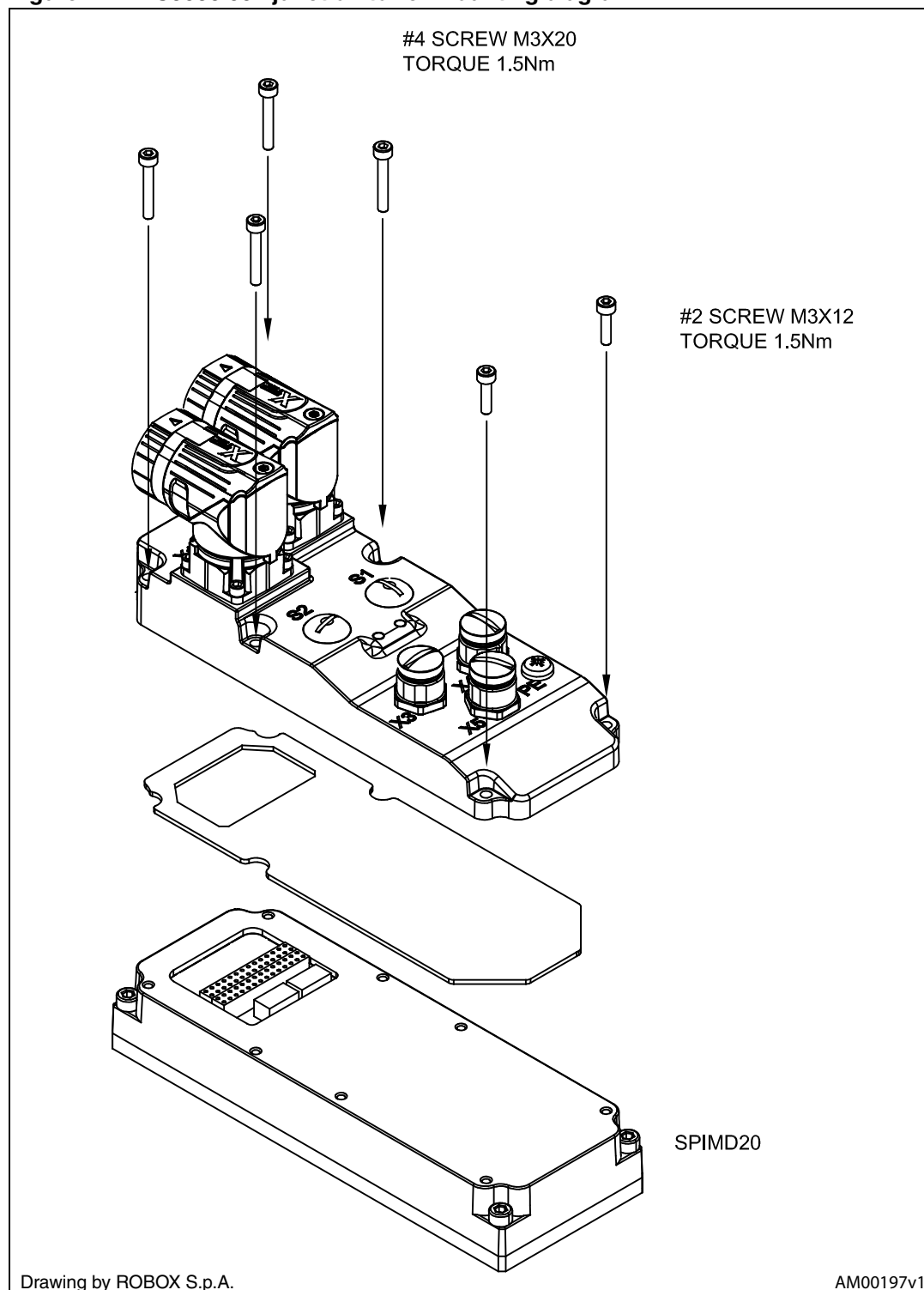


STEVAL-SPIMD20V1

# 1 Connector diagrams

Figure 1. AS3036.001 junction tower layout



**Figure 2. AS3036.001 junction tower mounting diagram**

**CONTACT SIDE VIEW**

**X1**

SHIELD

1 2 3 4 5 6 7 8 9 10

**CONTACT SIDE VIEW**

**X2**

SHIELD

1 2 3 4 5 6 7 8 9 10

**CONTACT SIDE VIEW**

**Wiring Diagram:**

**INTERCONTEC HTEC SERIES MALE**

**INTERCONTEC HTEC SERIES FEMALE**

**PE**

**PE**

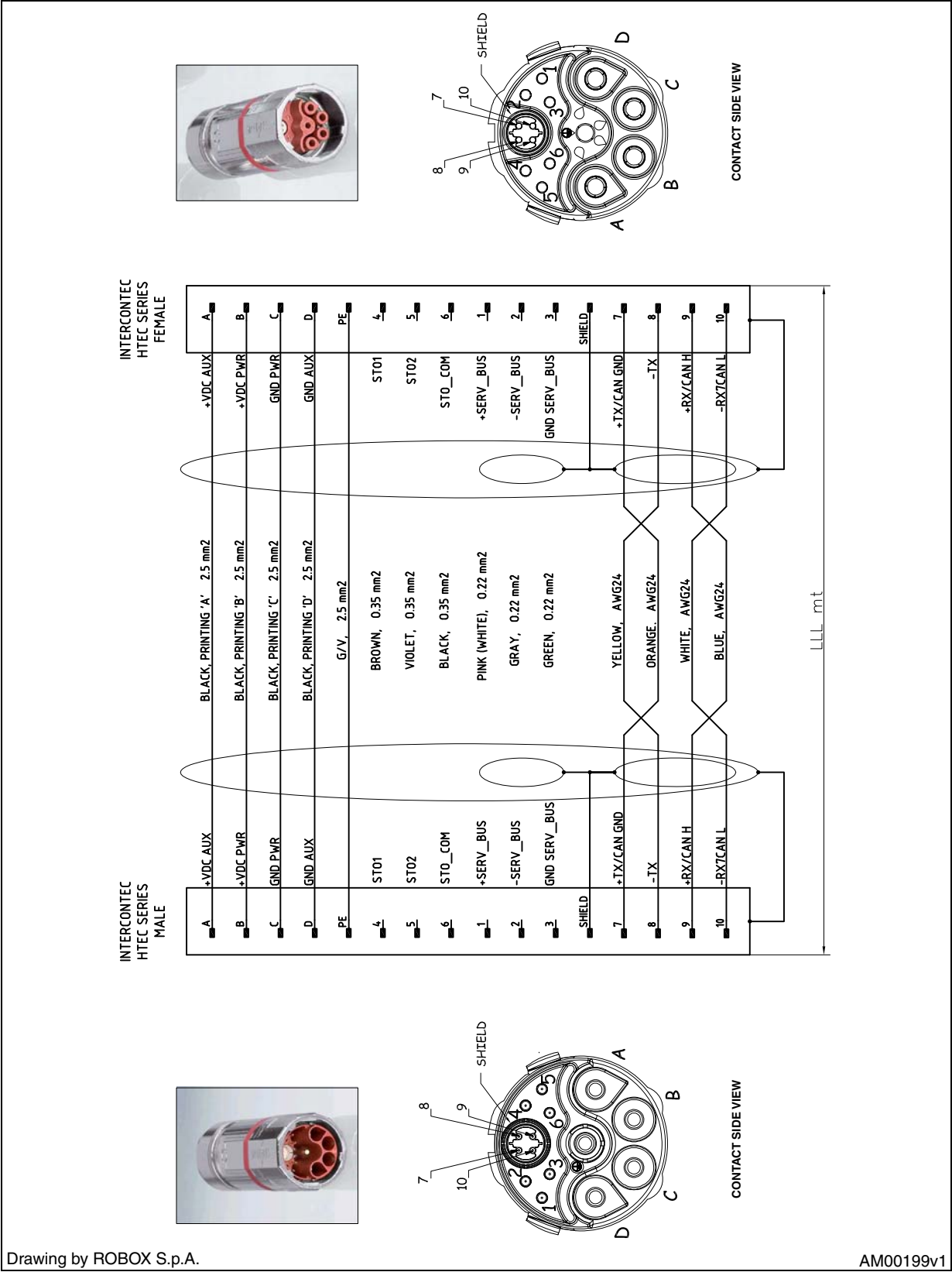
**Connections:**

- JU1, PIN 9
- JU1, PIN 10
- JU1, PIN 11
- JU1, PIN 12
- JU1, PIN 13
- JU1, PIN 14
- JU1, PIN 15
- JU1, PIN 16

**AM00198v1**

**Drawing by ROBOX S.p.A.**

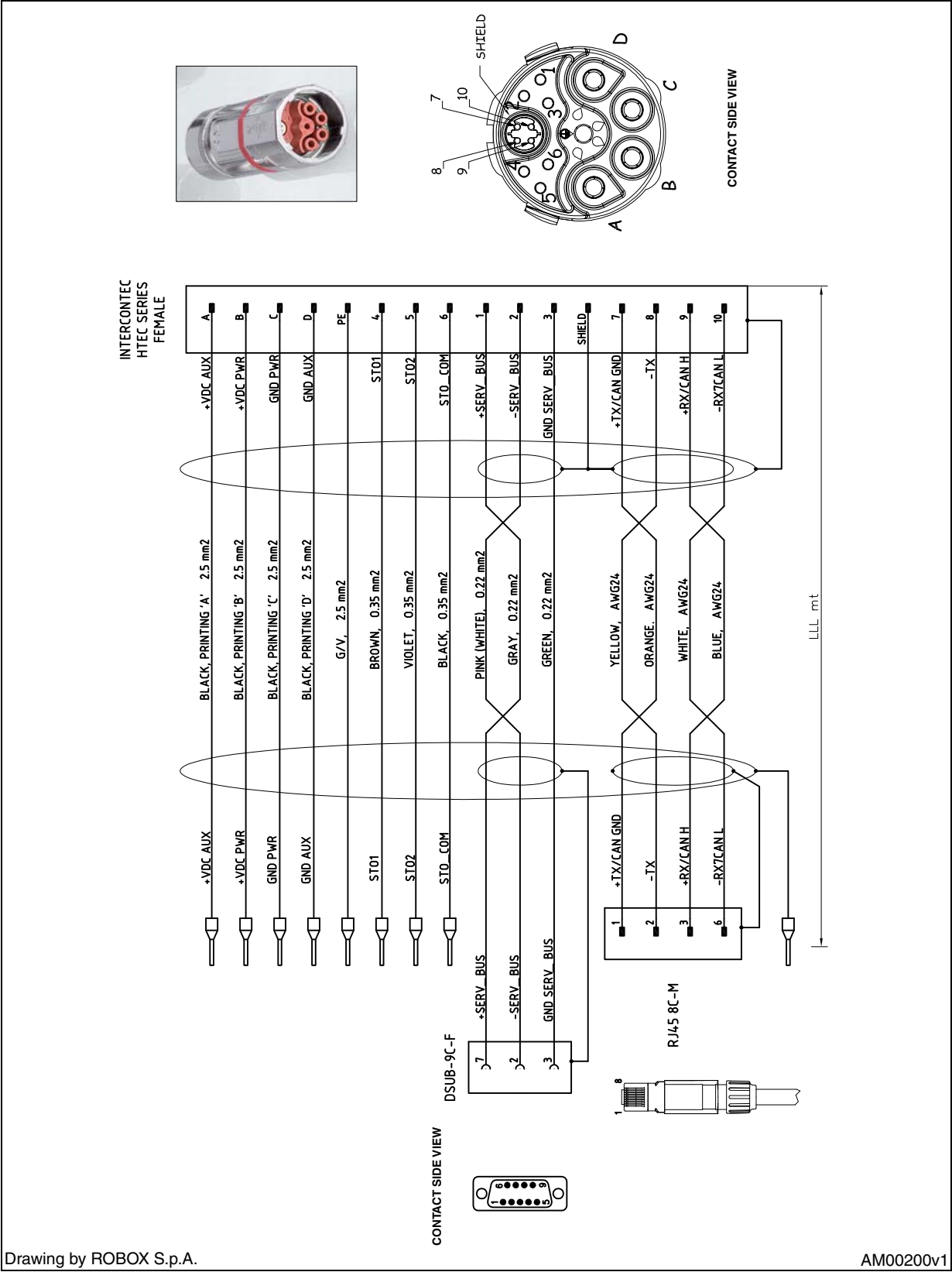
Figure 4. CAVO1SPIMD/2.5 connector



Drawing by ROBOX S.p.A.

AM00199v1

Figure 5. CAVO2SPIMD/2.5/2 connector



Drawing by ROBOX S.p.A.

AM00200v1

Figure 6. CAVO1SPIMD terminal

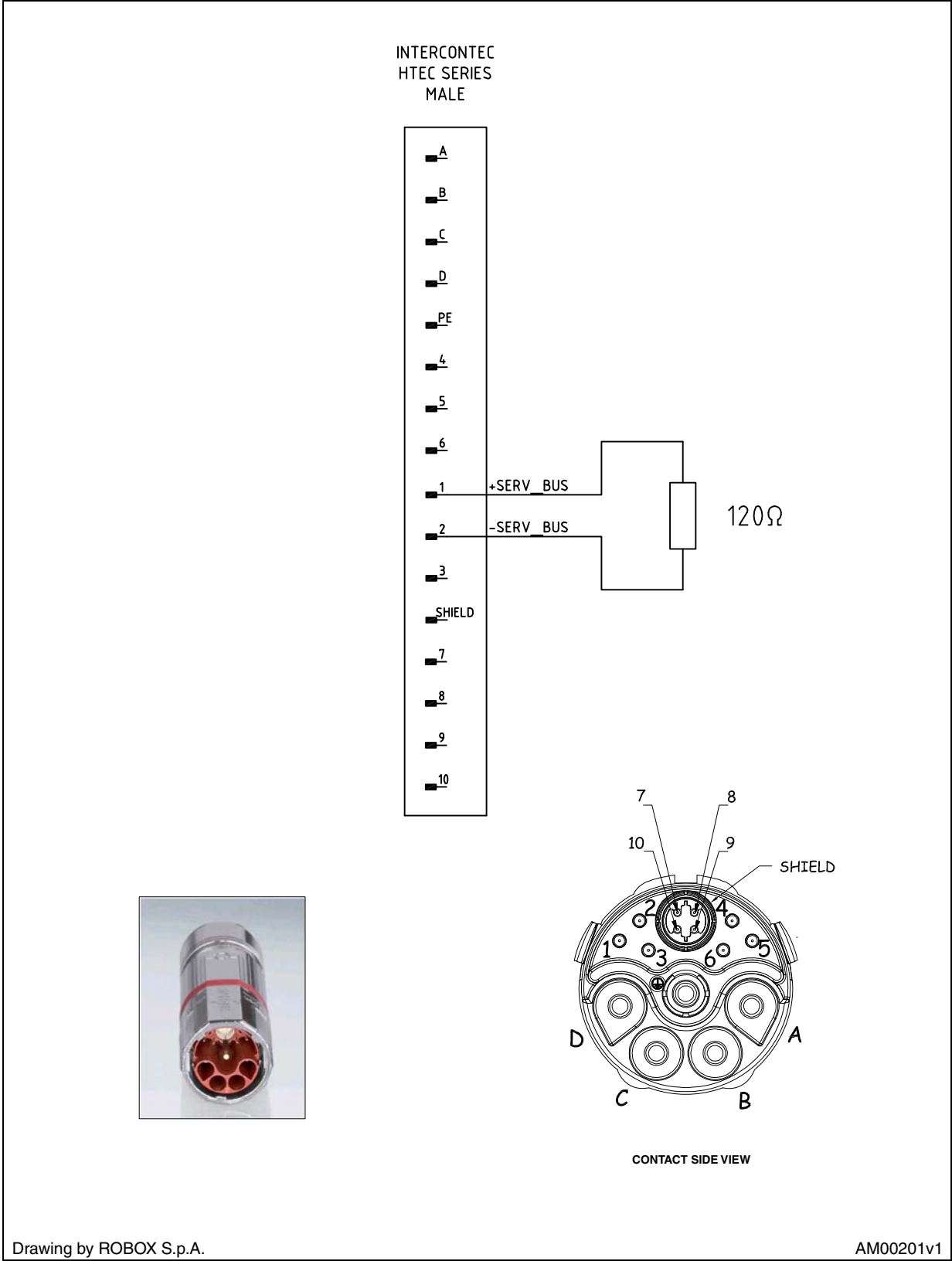
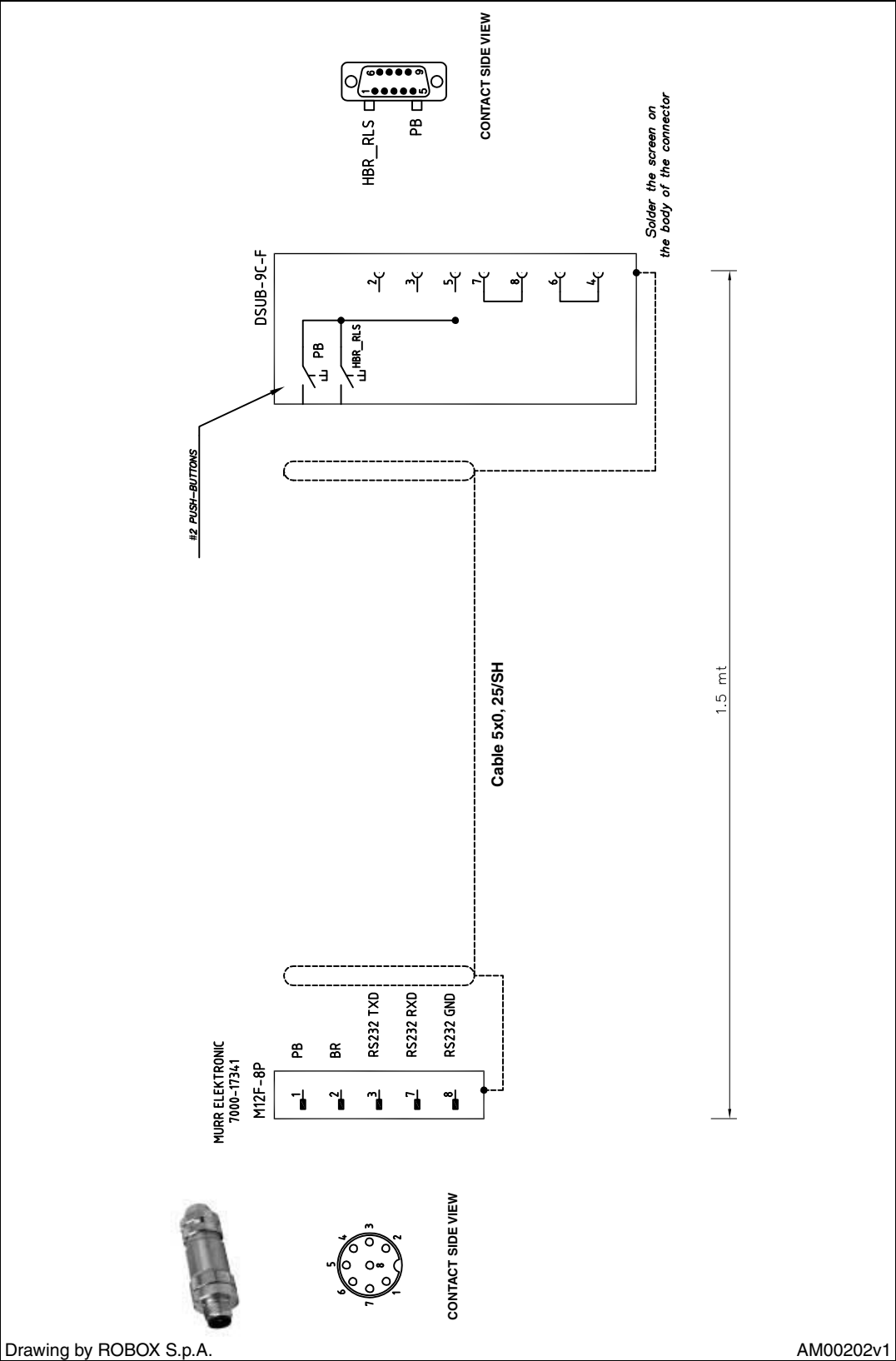


Figure 7. CAVO1SPIMD/RS232/1.5 connector diagram



Drawing by ROBOX S.p.A.

AM00202v1



## 2 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
21-Dec-2011	1	Initial release.

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