



## STEVAL-SPIMD20

### STEVAL-SPIMD20 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

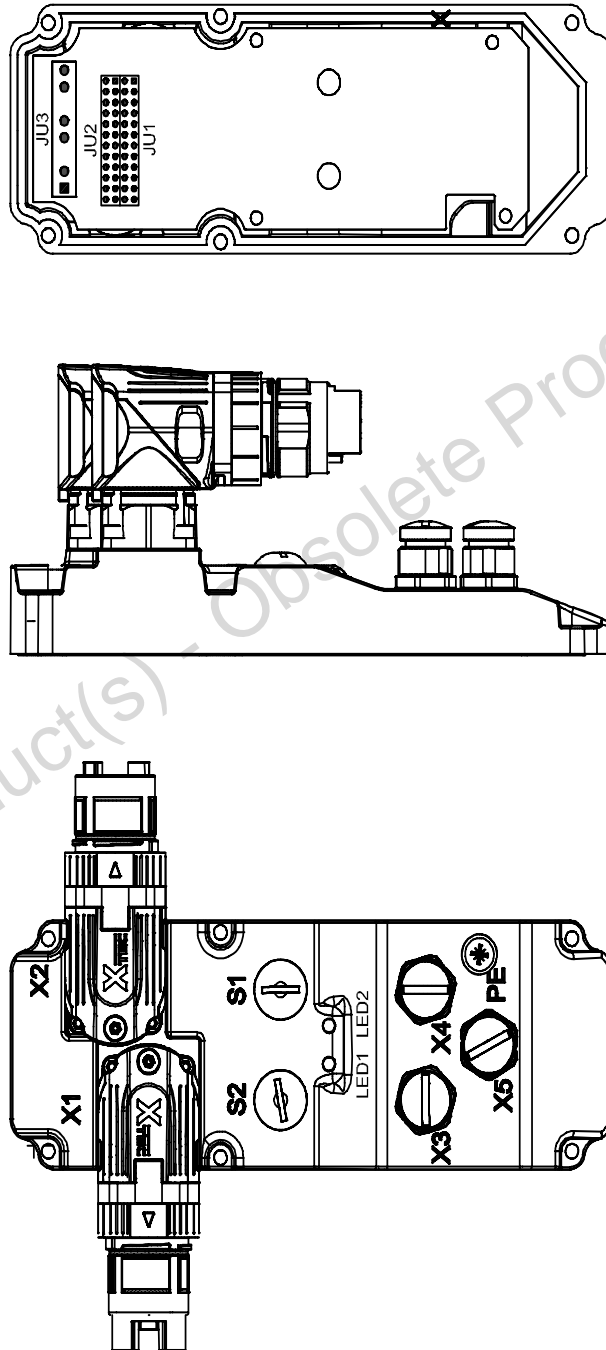
The STEVAL-SPIMD20 demonstration kit provides a complete demonstration platform for evaluating the functionality and the performance of the SPIMD20 power drive system designed by STMicroelectronics in cooperation with ROBOX S.p.A.

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.



# 1 Connector diagrams

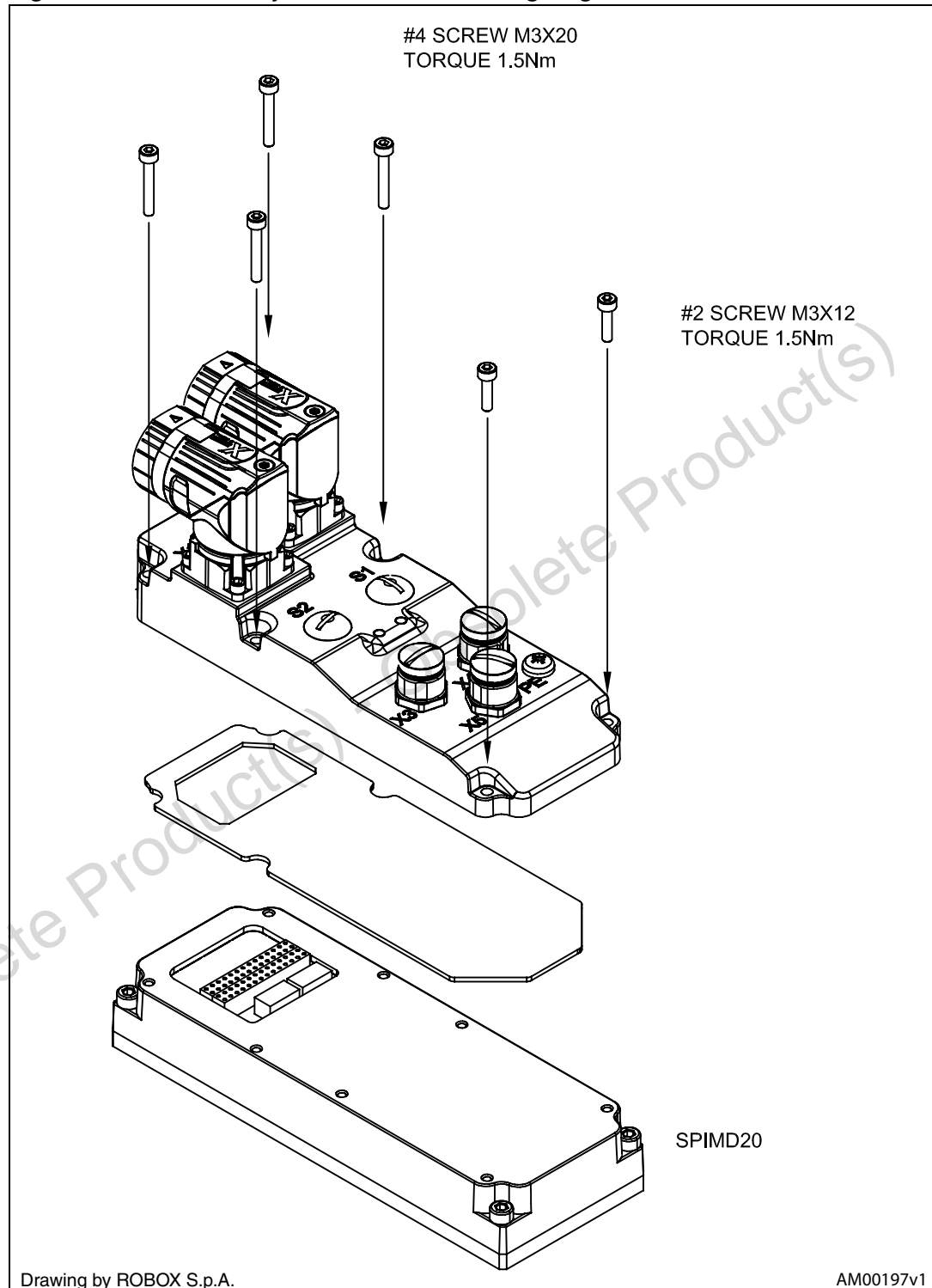
Figure 1. AS3036.001 junction tower layout



Drawing by ROBOX S.p.A.

AM00196v1

Figure 2. AS3036.001 junction tower mounting diagram



**X1**

SHIELD

CONTACT SIDE VIEW

**X2**

SHIELD

CONTACT SIDE VIEW

INTERCONTEC HTEC SERIES MALE

INTERCONTEC HTEC SERIES FEMALE

JU1 & JU2 PIN 1,2

JU3 PIN 4,5

JU3 PIN 1,2

JU1 & JU2 PIN 3,4

JU3 PIN 7,8

PE

PE

JU2 PIN 13

JU2 PIN 14

JU2 PIN 12

JU1, PIN 16

JU1, PIN 15

JU1, PIN 14

JU1, PIN 13

JU1, PIN 9

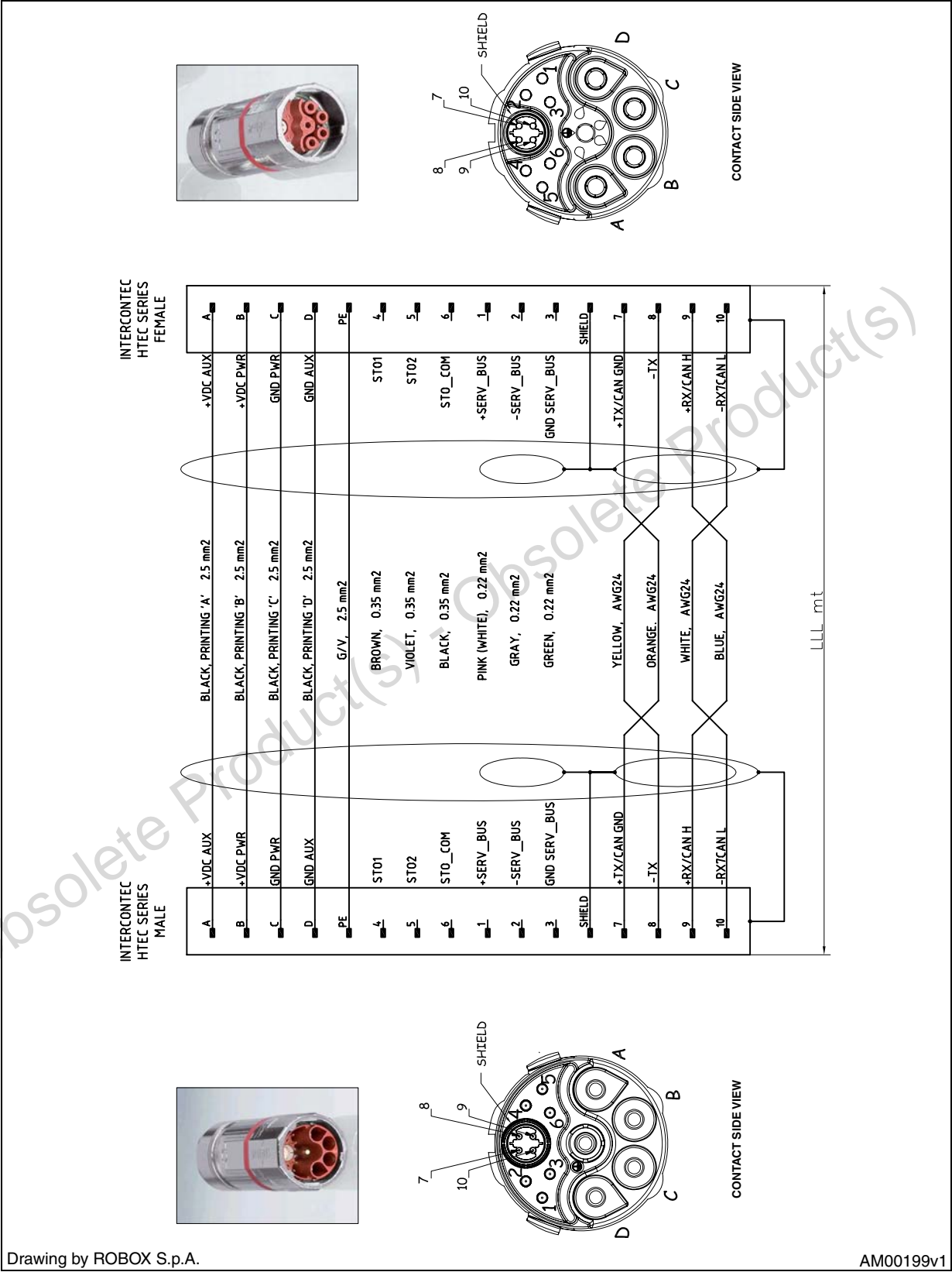
JU1, PIN 10

JU1, PIN 11

JU1, PIN 12

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Figure 4. CAVO1SPIMD/2.5 connector



Drawing by ROBOX S.p.A.

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Figure 6. CAVO1SPIMD terminal

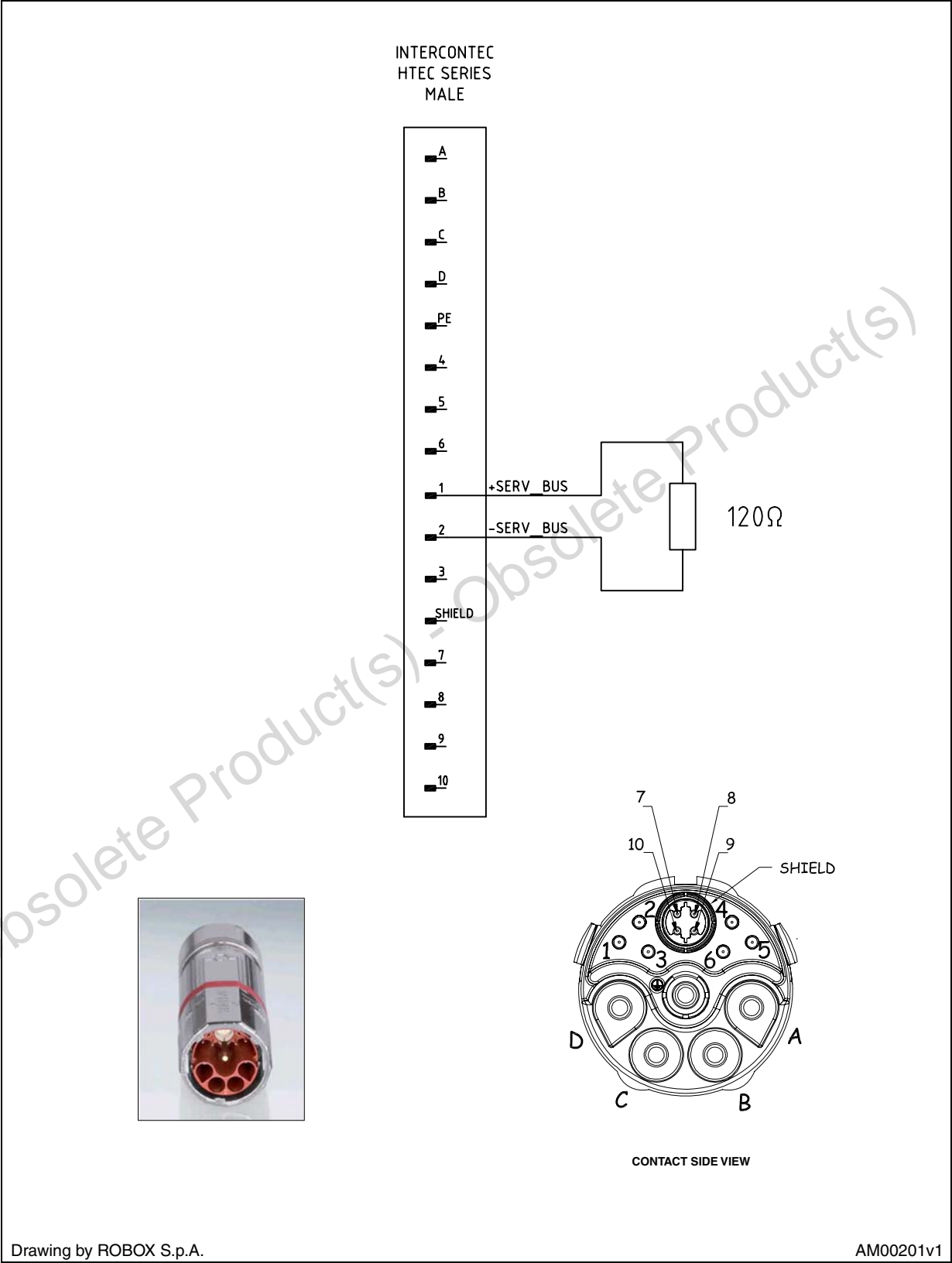
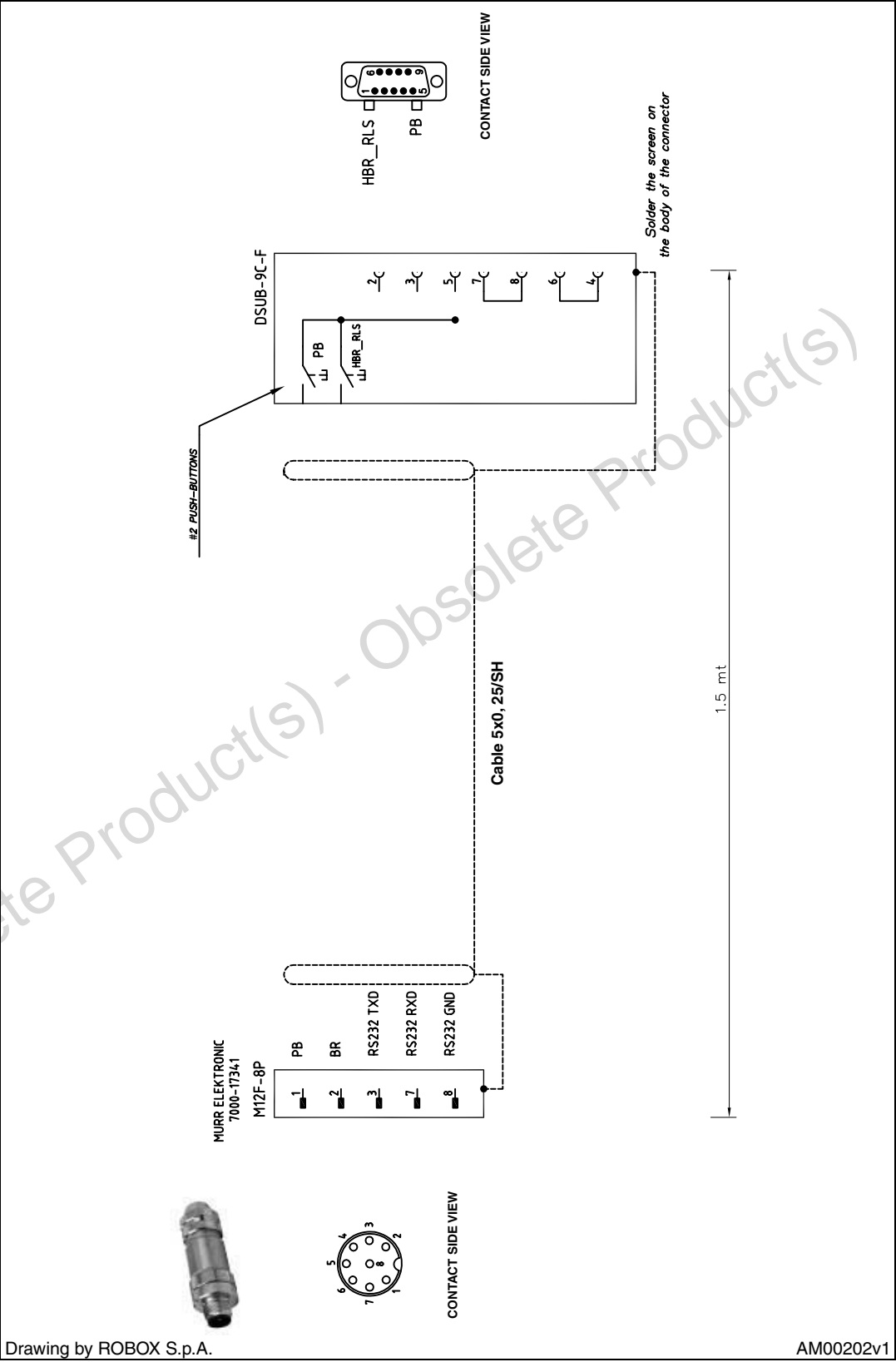


Figure 7. CAVO1SPIMD/RS232/1.5 connector diagram



Drawing by ROBOX S.p.A.

AM00202v1



## 2 Revision history

**Table 1. Document revision history**

Date	Revision	Changes
22-Apr-2011	1	Initial release.

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