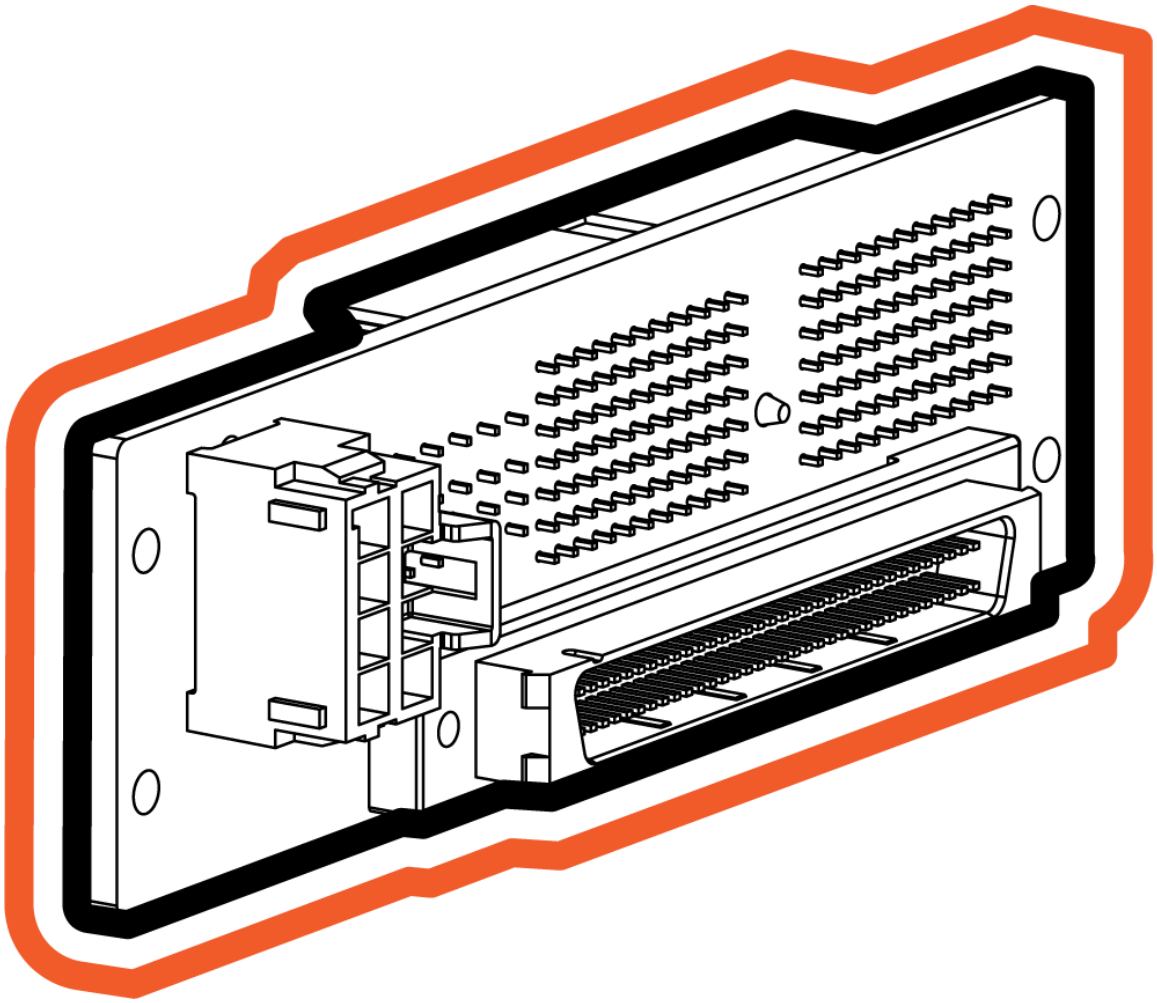
# DE9900 DATASHEET

SLSC RTI MODULE DSUB68



DEICO

# Contents

# DESCRIPTION

DE9900 SLSC RTI Module DSUB68 is a rear transition interface which carries signals from SLSC form factor to a DSUB68 connector and a power header in order to allow the harness process. It also contains strain relief accessories to protect the cable from bending.

Areas of application include:

- ⇨ HIL Testing
- ⇨ Signal Transition

# HARDWARE OVERVIEW

## Hardware Specifications

### Electrical

| Specification | Minimum | Typical | Maximum |
|---|---|---|---|
| **Number of Power Transitions** | — | 8 | — |
| **Number of Signal Transitions** | — | 32 | — |
| **Carried Voltage @ DSUB68** | — | — | 100V |
| **Carried Current @ DSUB68** | — | — | 1A |
| **Carried Voltage @ Power Header** | — | — | 250V |
| **Carried Current @ Power Header** | — | — | 14A |

### Physical

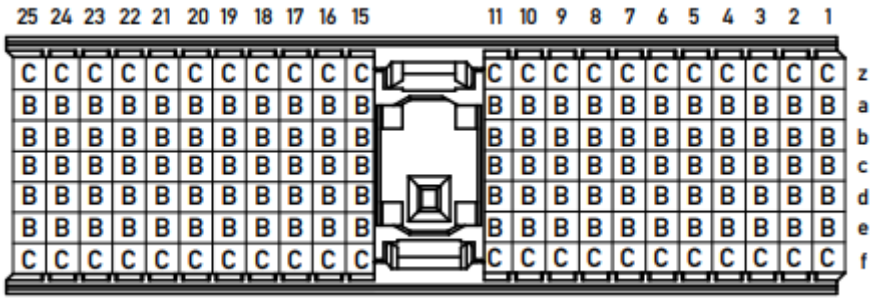
| Specification | Typical | Notes |
|---|---|---|
| **Dimensions** | 101.86mm x 30.22mm | SLSC Standard Dimensions |
| **DSUB68 Connector** | DSUB68 | MPN: 2-5174339-5 |
| **Power Header** | HEADER | MPN: 1722991108 |

### Environmental

| Specification | Condition | Value |
|---|---|---|
| **Operating Humidity** | Relative, non-condensing | 10% - 90% |
| **Storage Humidity** | Relative, non-condensing | 5% - 95% |
| **Operating Temperature** | Forced-air cooling from chassis | 0°C - 40°C |
| **Storage Temperature** | Non-operational | -40°C - 85°C |

# SIGNAL CONNECTIONS

## XP2 Connector Pinout



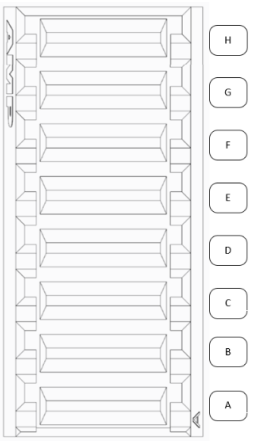

*XP2 Connector Pin Assignments*

| Row | z | a | b | c | d | e | f |
|---|---|---|---|---|---|---|---|
| 1 | GND | SIG_0 | GND | - | SIG_1 | GND | GND |
| 2 | GND | SIG_2 | GND | - | SIG_3 | GND | GND |
| 3 | GND | GND | GND | GND | GND | GND | GND |
| 4 | GND | SIG_4 | GND | - | SIG_5 | GND | GND |
| 5 | GND | SIG_6 | GND | - | SIG_7 | GND | GND |
| 6 | GND | GND | GND | GND | GND | GND | GND |
| 7 | GND | SIG_8 | GND | - | SIG_9 | GND | GND |
| 8 | GND | SIG_10 | GND | - | SIG_11 | GND | GND |
| 9 | GND | GND | GND | GND | GND | GND | GND |
| 10 | GND | SIG_12 | GND | - | SIG_13 | GND | GND |
| 11 | GND | SIG_14 | GND | - | SIG_15 | GND | GND |
| 15 | GND | SIG_16 | GND | - | SIG_17 | GND | GND |
| 16 | GND | SIG_18 | GND | - | SIG_19 | GND | GND |
| 17 | GND | GND | GND | GND | GND | GND | GND |
| 18 | GND | SIG_20 | GND | - | SIG_21 | GND | GND |
| 19 | GND | SIG_22 | GND | - | SIG_23 | GND | GND |
| 20 | GND | GND | GND | GND | GND | GND | GND |
| 21 | GND | SIG_24 | GND | - | SIG_25 | GND | GND |
| 22 | GND | SIG_26 | GND | - | SIG_27 | GND | GND |
| 23 | GND | GND | GND | GND | GND | GND | GND |
| 24 | GND | SIG_28 | GND | - | SIG_29 | GND | GND |
| 25 | GND | SIG_30 | GND | - | SIG_31 | GND | GND |

## XP3 Connector Pinout

*XP3 Connector Pin Assignments*

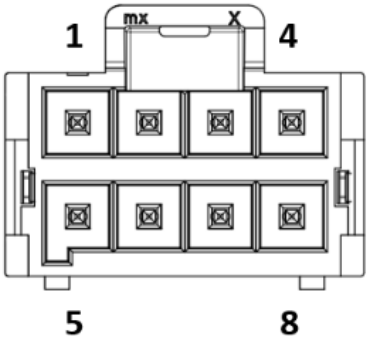
| Pins | Signal |
|---|---|
| A | FAULTD |
| B | FAULTC |
| C | FAULTB |
| D | FAULTA |
| E | INST1- |
| F | INST1+ |
| G | INST0- |
| H | INST0+ |



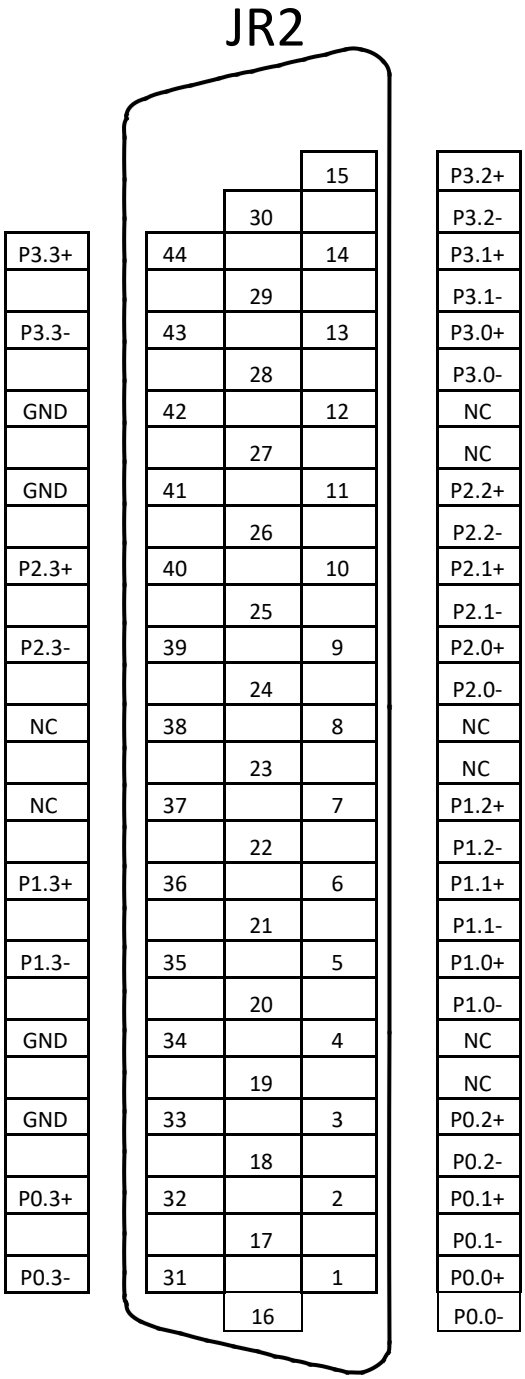

## JR1 Connector Pinout

*JR1 Connector Pin Assignments*

| Pins | Signal |
|---|---|
| 1 | FAULTD |
| 5 | FAULTC |
| 2 | FAULTB |
| 6 | FAULTA |
| 3 | INST1- |
| 7 | INST1+ |
| 4 | INST0- |
| 8 | INST0+ |



## JR2 Connector Pinout




# CONFIGURATION

**Caution** Do not operate the DE9900 in a manner not specified in this document. Product misuse can result in a hazard. You can compromise the safety protection built into the product if the product is damaged in any way. If the product is damaged, return it for repair.

## Contact

DEICO Head Office

Teknopark Ankara, Serhat Mah.,
2224 Cad., No:1 F Blok, Z-12,
Yenimahalle, Ankara, Türkiye

support@deico.com.tr

+90 312 395 68 44

www.deico.com.tr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