

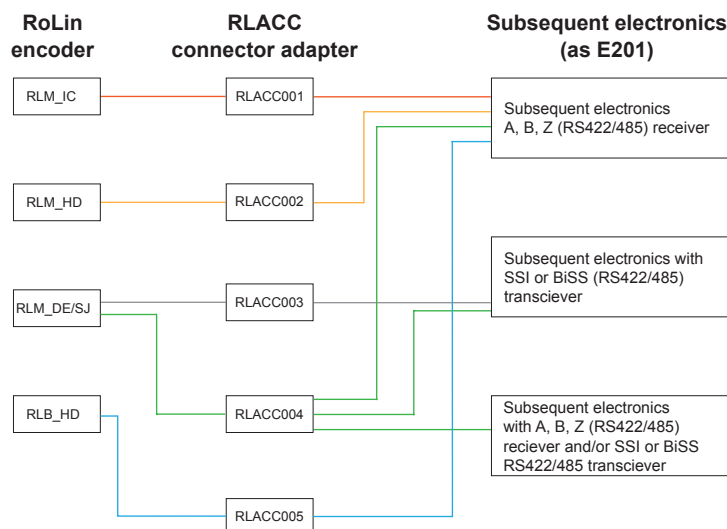
RLACC001-005 connector adapter



NOTE: The image does not represent all variants.

RLACC connector adapter is a tool for connecting any readhead from RoLin product family to an E201 communication interface or similar subsequent electronics. It enables easy connection between RoLin's 10 or 6 pin flex cable and 9 pin D type connector.

The RLACC adapter is available in multiple versions and is pin compatible with RoLin rotary and linear encoders, depending on the signal type:

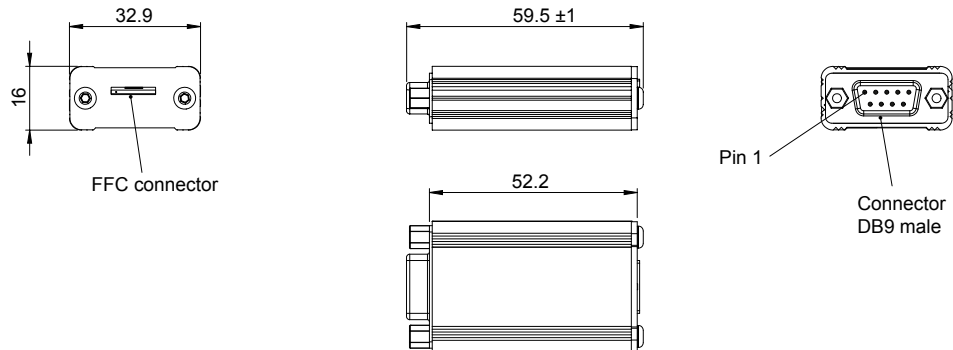


Adapter part number	Interface signals	Use with RoLin product	Description
RLACC001	A, B, Z RS422/485	RLM_IC with FFC Incremental	Adapter for connection to subsequent electronics with RS422/485 incremental (A, B, Z) interface (as E201-9Q interface)
RLACC002		RLM_HD/DE/SJ with FFC Incremental	
RLACC003	SSI/BiSS RS422/485	RLM_DE/SJ with FFC SSI	Adapter for connection to subsequent electronics with RS422/485 SSI/BiSS interface (as E201-9S interface)
RLACC004	A, B, Z and SSI/BiSS RS422/485	RLM_DE/SJ with FFC Incremental + SSI	Adapter for connection to subsequent electronics with RS422/485 SSI/BiSS and/or incremental interface (as E201-9S and/or 9Q interface)
RLACC005	A, B, Z RS422/485	RLB_HD with FFC Incremental	Adapter for connection to subsequent electronics with RS422/485 incremental (A, B, Z) interface (as E201-9Q interface)

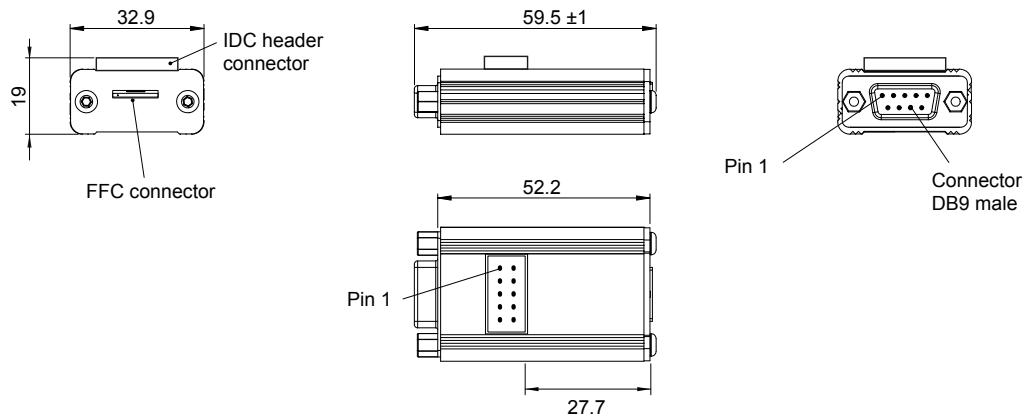
Dimensions

Dimensions and tolerance in mm.

RLACC001, RLACC002, RLACC003 and RLACC005



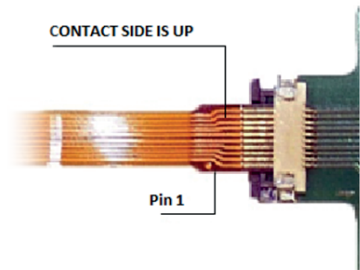
RLACC004



Input pin-out

FFC connector

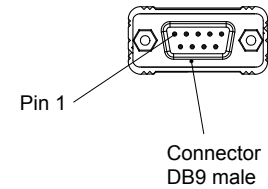
Pin	Signal	
	RLM encoder	RLB encoder
1	Housing	A
2	B	B
3	Z	Z
4	A	GND (0 V)
5	GND (0 V)	Vdd (5 V)
6	Vdd (5 V)	Error
7	Error	Housing
8	MA	Housing
9	SLO	-
10	Housing	-



Output pin-out

RLACC001, RLACC002, RLACC003 and RLACC005

Pin	Signal	
	Incremental	SSI/BiSS
1	NC	
2	Z+	MA+
3	B+	MA–
4	A+	NC
5	Vdd (5 V)	
6	Z–	SLO+
7	B–	SLO–
8	A–	NC
9	GND (0 V)	



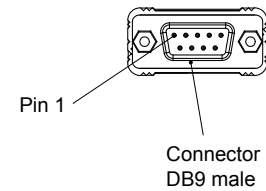
DB9 male connector is mounted to the housing using low head screws. To connect it to a standard D-sub connector*, low head screws should be replaced with the enclosed Hex-Standoff screws.

* Output connector must be connected to a device, which supports defined signals.

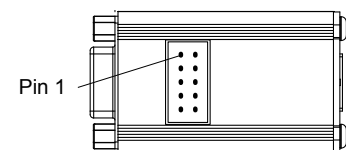
RLACC004

Pin	Signal	
	Incremental	SSI/BiSS
1	NC	GND (0 V)
2	Z+	Vdd (5 V)
3	B+	MA+
4	A+	MA–
5	Vdd (5 V)*	SLO+
6	Z–	SLO–
7	B–	-
8	A–	-
9	GND (0 V)	Vdd (5 V)*
10	-	GND (0 V)

Incremental connections



SSI/BiSS connections**



* If both outputs are used at the same time, one 5 V power supply needs to be disconnected.

** For BiSS or SSI outputs an extra connector and a cable (not provided) are needed to connect them through the header connector. We suggest using a ribbon cable with IDC connector (eg. Amphenol T812 Series 2.54 mm IDC Socket).

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Document issues

Issue	Date	Page	Corrections made
1	29. 3. 2016	-	New document