



ASiKS-Engineering

User Manual

LIN-Repeater Module

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This document provides detailed information about ASiKS-Engineering's LIN-Repeater Module.

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1 Introduction

The LIN-Repeater Module shown in Figure 1 is used for physical extension of an existing LIN Cluster through signal refresh.

The length of the LIN Bus line can thus be extended by the use of the LIN-Repeater Module beyond the length stated in the LIN Bus Specification.



Figure 1: LIN-Repeater Module

This interface provides the following features:

- 9-pin D-SUB plug (male) to connect to LIN Cluster 1, Bus respectively
- 9-pin D-SUB plug (female) to connect to LIN Cluster 2, Bus respectively
- Dimensions: 71mmx 43mm x 24mm
- Direct path through of supply voltage

2 Terminal contacts description

2.1 LIN Cluster 1 connector D-SUB 09 plug (male)

Table 1 shows the pinning, functional description and electrical characteristics of LIN Cluster 1 connector of ASiK-Engineering's LIN-Repeater Module.

Pin	Symbol	Description	Min	Typ	Max	Unit
3	GND	Ground	0	0	0	V
7	LIN*	LIN bus line input/output	-27		+40	V
9	VBat_C1	Battery supply input Cluster 1	5	12	18	V

Table 1: Quick reference data – Cluster 1 LIN D-SUB 09 male

Note *: Slave configuration

2.2 LIN Cluster 2 Connector D-SUB 09 plug (female)

Table 2 shows the pinning, functional description and electrical characteristics of LIN Cluster 2 connector of ASiK-Engineering's LIN-Repeater Module.

Pin	Symbol	Description	Min	Typ	Max	Unit
3	GND	Ground	0	0	0	V
7	LIN**	LIN bus line input/output	-27		+40	V
9	VBat_C2	battery supply output Cluster 2			VBat_C1	V

Table 1: Quick reference data – Cluster 2 LIN D-SUB 09 female

Note **: Master configuration (1k PullUp)

3 Disclaimer

For damage of any kind, arising by the employment of the LIN-Repeater Module, no requirements can be made valid opposite the supplier!

4 Contact Information

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Appendix A – Revision History

Revision History
1.0 Initial Release 15th January, 2019