

Dear Customer,

With this INFINEON Technologies Information Note we would like to inform you about the following

Application Note “Sensor supply in bus mode” affecting products TLE501x and TLI5012B

N° 017/18

Application Note “Sensor supply in bus mode” affecting products TLE501x and TLI5012B

► Products affected:	Sales Name	SP N°	OPN	Package
	Please refer to 1_cip01718 attached			

► Detailed Change Information:

Subject: Application Note “Sensor supply in bus mode” affecting products TLE501x and TLI5012B

Reason: When using two or more devices in a bus configuration and one of the devices loses its supply (VDD), it disturbs the bus behavior and may corrupt the data transmitted by other devices connected to the bus. In this case protocol check mechanisms and the VDD-off comparator check can be used to detect it (see: Datasheet / User Manual for more details about check mechanisms).
When the application requires two sensors for data redundancy purpose (e.g. safety-related applications), Infineon recommends to use two separate buses.

Description:	<u>Old</u>	<u>New</u>
	<ul style="list-style-type: none"> n/a 	<ul style="list-style-type: none"> Application Note Rev 1.0 (for details refer to 4_cip01718 attached)

► **Product Identification:** Not applicable

► **Impact of Change:** Not applicable

► **Attachments:** Application Note Rev. 1.0: 4_cip01718

► **Intended start of delivery:** Valid with immediate effect.

If you have any questions, please do not hesitate to contact your local Sales office.

INF N°017/18Application Note "Sensor supply in bus mode" affecting products
TLE501x and TLI5012B

Sales Name	SP number	OPN	Package
TLE5011	SP000857850	TLE5011FUMA1	PG-DSO-8
TLE5012	SP001172468	TLE5012FUMA2	PG-DSO-8
TLE5012B E1000	SP001166960	TLE5012BE1000XUMA1	PG-DSO-8
TLE5012B E3005	SP000905686	TLE5012BE3005FUMA1	PG-DSO-8
TLE5012B E3005	SP001166964	TLE5012BE3005XUMA1	PG-DSO-8
TLE5012B E5000	SP001166968	TLE5012BE5000XUMA1	PG-DSO-8
TLE5012B E5020	SP001166972	TLE5012BE5020XUMA1	PG-DSO-8
TLE5012B E9000	SP001166998	TLE5012BE9000XUMA1	PG-DSO-8
TLE5012BD E1200	SP001205296	TLE5012BDE1200XUMA1	PG-TDSO-16
TLE5012BD E9200	SP001205300	TLE5012BDE9200XUMA1	PG-TDSO-16
TLI5012B E1000	SP001415550	TLI5012BE1000XUMA1	PG-DSO-8