Melexis

INSPIRED ENGINEERING

SELECTION GUIDE

DATACOM: LIN, CAN AND RFID TRANSCEIVERS

Our Datacom products support modern LIN and CAN networks as well as RFID/NFC communications.

If a high level of flexibility is needed for in-vehicle networks based on LIN or CAN standards then our automotive-grade transceivers are a perfect fit. Affordable RFID and NFC communications require low-component count products, this is what our RFID transceiver and NFC sensor tag are made for.

Ants communicate in a unique manner, through pheromones - scented chemicals. They are detected at the tips of the ants' super sensitive antennae and tell the ant which way to turn with the varying pheromone strength.

V4/28-07-22

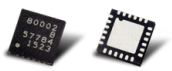
LIN Transceivers Overview		
Part Number	**MLX80002**	**MLX80004**
Function	LIN transceiver	
LIN Channels	2	4
Supply Voltage	5 to 18V (26V)	
Output Voltage	n.a.	n.a.
LDO Regulator	no	no
RESET Output	no	no
Window Watchdog	no	no
Package	QFN4x4 24L	QFN4x4 24L
LIN Spec	ISO17987 (LIN 2.x, J2602)	
Operating Temp.	-40 to 125°C	
Status & Tools	Production: PPAP AECQ-100 / EVBs and reference designs	

CAN Transceivers Overview		
Part Number	**TH8056**	
Function	Single-wire CAN transceiver	
Max. Data Rate	40kbps	
Supply Voltage	5 to 26.5V	
MCU Voltage	3.3 and 5V	
Partial Networking	no	
SPI	no	
Bus Wake-up	no	
Package	SOIC8	SOIC14
INH Pin	no	yes
TX Enable Pin	no	
CAN Specs	GMW3089, SAE J2411	
Operating Temp.	-40 to 125°C	
Status	Production	

RFID Transceiver		
Part Number	**MLX90109CDC**	**MLX90109EDC**
Function	LF RFID Transceiver	
Max. Data Rate	4kbps	
Supply Voltage	3.1 to 5.5V	
Operating Frequency	100 to 150kHz	
Decoding	Biphase and Manchester	
Modulation	AM	
Package	SOIC8	
Operating Temp.	0 to 70°C	-40 to 85°C
Status	Production	

SOIC8

SOIC14


QFN 4x4 12 leads

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