LGA DevKit

Module evaluation kit suitable for all footprints

Socket solution for developing with **LGA** modules.
Compatible with all Industrial and most Industrial Plus LGA modules.
Clear & easy concept for usage and signaling

Supports LGA footprint Industrial (SM) and parts of IndustrialPlus (L) signals

Operates stand alone as well as in DSB environment

Real current measurement from uA to A

Access and/or disconnect all module

Fasten the module intergration

Documentation access through GTO website/ QR code on PCB

LGA DevKit Socket SML   L30960-N0110-A100
LGA DevKit SM   L30960-N0111-A100
LGA DevKit L   L30960-N0112-A100   available H2/2019

Package Contents

LGA DevKit Socket SML

The needle socket fitting on both PCB versions SM and L

Screws, fixing frames, retention lid

LGA DevKit SM or L

Base PCB for the Industrial/Industrial Plus platform modules

USB and SMA cable

An ultra-wideband high efficiency antenna

A bag of jumpers ~25pcs

A quick start guide

Features

• Support three different module footprints, LGA106, 114, 120, 156 Industrial and Industial Plus
• Future proofed, ready for new upcoming modules
• Replaces existing evaluation modules
• Stand-alone: Get the LGA module up & running without tooling
• Supports Cinterion® DSB75 / DSB Mini as port extender
• UART via USB VCP and/or native USB communication
• Direct signal module access and complete interruption for deep level investigation
• Real current consumption measurement, no leakage current
• Powering by USB and external DSB
• Adjustable module supply level 2.8...4.5V
• Further: SPS, Dual-SIM, ASC1, Audio A/D, GPIO, SPI I2C, GPS
• Error detection: Wrong modules, false orientated and shorts by modules preventing damages on DevKit and modules
• Cost minimized: Socket reusable on both PCB versions
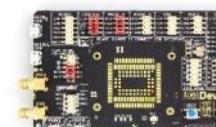• QR barcode scanning leads the user to all needed information
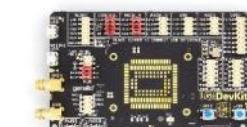
COMPATIBILITY

LGA Module

LGA DevKit Socket SML

LGA DevKit SM
Industrial footprint

LGA DevKit L
Industrial Plus footprint

Connectivity options: LGA DevKit with DSB75 - DSB mini

Use **LGA DevKit** as a stand alone solution to evaluate Cinterion ® **LGA** Modules

Combine with **DSB-mini or DSB75** to expand the supported interfaces with SUB-D9, 2. SIM, Analog audio interface

ALL Industrial LGA modules

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Cinterion® LGA DevKit **SM**

L30960-N0111-A100

&

Cinterion® LGA DevKit Socket **SML**

L30960-N0110-A100

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Optional
DSB as port extender supports: SUB-D9, 2. SIM, Analog audio interface

DSB-Mini

L30960 N0030 A100

Small Industrial Plus LGA modules

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Cinterion® LGA DevKit L

L30960-N0112-A100

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Cinterion® LGA DevKit Socket SML

L30960-N0110-A100

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Optional
DSB as port extender supports: SUB-D9, 2. SIM, Analog audio interface

DSB-Mini

L30960 N0030 A100