

The Premium Developer Kit for all pluggable DHCOM modules.

- ▶ Reference design for DHCOM modules, circuit diagram is available
- ▶ Signals can be separated and measured by jumper
- ▶ All interfaces of the DHCOM family concept are connected on board and available externally
- ▶ DHCOM 5-cent cooling solution is integrated on board
- ▶ Display Connector for the possibility to adapt a customer specific display
- ▶ Integrated measurement amplifier to determine the current consumption of the DHCOM module
- ▶ Integrated audio codec

Technical Data

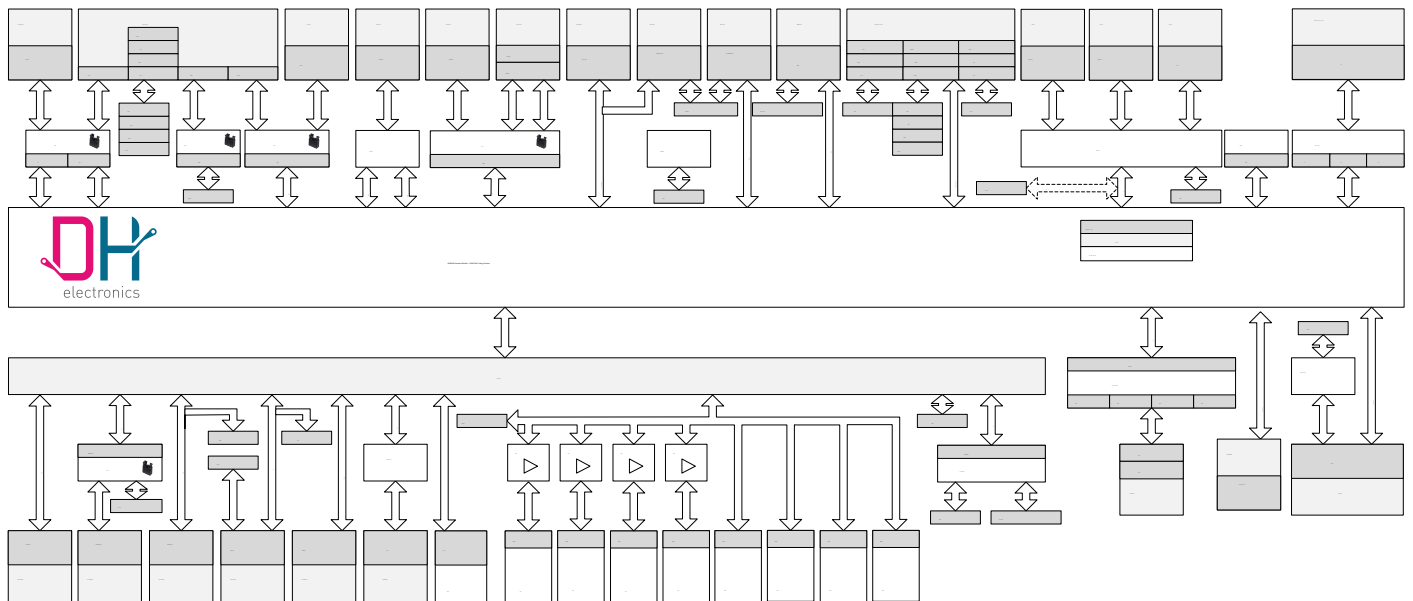
Board type	Development Board
5-Cent Cooling available	✓
Ethernet	2x 1Gbit/s 2x 100Mbit/s (depending on connected DHCOM)
USB	USB3.0 Host (USB-A) 1x USB3.0 OTG (USB-C) (depending on connected DHCOM)

UART	1x TTL (with handshakes) 2x TTL (without handshakes)
CAN	1x CAN-FD Transceiver (FD option depending on connected DHCOM)
I2C	2x
SPI	2x
SDIO/SD/MMC	1x SDIO on SD Card Socket (4Bit)
Camera	2x MIPI CSI-2 (depending on connected DHCOM) 10 Bit BT.656 camera interface
Digital audio	SGTL5000 (MIC_IN, STEREO LINE IN, STEREO HEADPHONE OUT)
M.2	1x E-key Socket 1x M-key Socket (PCIe, SATA, UART, USB, I2S, SDIO)
Bus interface	16 Bit
Number of GPIOs	23
Analog input	4x
LEDs	4x userdefined
BSP	Linux
Power supply	24 VDC
Operating temperature	0 to 70 °C
Storage temperature	0 to 70 °C
Dimensions	208.5 x 185.5 x 27 mm
Display interface connector	connector for DHDIB standard with touch, PWM, I2C, SPI, UART, GPIO, USB host, RGB and LVDS (dual channel)

Core module connector

SODIMM-200 Socket for DHCOM, Molex High-Speed Socket
for DHCOM

Block Diagrams



Configurations

Item Number	Model (other configurations on request)	Product description
FD00067	DHCOM Premium Developer Kit 3 for DHCOM-D2 modules	-

* Other configurations on request