

Galep5 ICSP

In circuit serial programmer for on board mass programming



Overview

Our modular Galep5 ICSP programming system consists of two parts: The 19" plug-in unit Galep5 ICSP and an additional programming head „GearHead“.

Due to this separation of universal programmer and GearHead we can realize cable length up to 25m.

In this setup the GearHead is placed close to target (e.g. inside the Fixture).

Our GalepX Production Software controls a user-defined amount of flashchannels.

Short Facts

- high performance programmer with up to 100Mbit/s
- cost saving due to straight design
- safe process integration due to GalepX Production software
- control up to 20 Galep5ICSP and more with GalepX
- scalable and modular concept for 19"-rack integration
- Intuitive operation and comfortable maintenance

Interfaces

Additional and customized interfaces available.

Protocol	Speed
JTAG	50 MHz
SPI	25 MHz
I2C	100,400,1000 kbit
QSPI	25 MHz
SWD	25 MHz
UART	8 Mbit
OWB	12 MHz

GearHead Technology

- 1,5-15V target supply, 1A (5W)
- 2 x DC power switch
- 2 x analog voltage inputs
- target short circuit detection
- 12 x high speed digital I/O
- software configurable I/O interface
- FPGA technology
- 2 x 100 Mbit connection to Galep5ICSP
- Dimensions (mm): l x b x h: approx.: 90 x 38 x 20
- placed close to target



Software

- fair licence model
- support by GalepX Production
- Individual connection to MES systems (SAP, ITAC, TestStand, Labview,...)
- board integration service -> contact us!

Electrical Data

- 12V-24V power supply (6W)
- temperature: 0°C-50°C
- Powerswitch
- air moisture (not condensing) <80%
- I/O voltage 1,8V/2,5V/3,3V/5V
- target supply monitoring