

Design support overview
EiceDRIVER™ 1EDI304xAS isolated gate driver ICs for EV

Infineon Technologies

Automotive Smart Power | Motor Control Solutions

Public

EiceDRIVER™ 1EDI3040AS & 1EDI3041AS
Documents, software and tools

Technical documents	Status
Datasheet Excerpt	Online
Datasheet	On request[1)]
User Manual	On request[1)]
Safety Manual	On request[1)]
AppNote Slew Rate	On request[1)]
AppNote Sensorless Tj Estimation via ADC	On request[1)]
AppNote Short Circuit Detection & turn-off	On request[1)]
AppNote General	On request[1)]

Software	Status
1EDI304x Device Driver: API for device configuration and core runtime functionality via SPI, for evaluation	On request[2)]
1EDI304x Application SW: Device Driver implementation example on AURIX™ TC3x and 1EDI304x EVAL BOARD	On request[2)]
1EDI304x Complex Device Driver: AUTOSAR compliant, supports application use cases incl. safety mechanisms, for evaluation	On request[2)]

Half-bridge evaluation boards	Status
1EDI3040 EVAL BOARD - fitting HP DRIVE G2 SIC or TO247 adapter board	Online
1EDI3040 EVAL IDPAK - fitting ID-PAK baseboard	Online
1EDI3040 EVAL HPACK_HD - fitting HP Heavy Duty	Online
Altium files of eval board to kick-start customer designs	On request[1)]

Design and simulation tools	Status
EiceDRIVER™ AMC Configuration Wizard – GUI for testing with AURIX™ TC3xx ShieldBuddy	On request[2)]
Simetrix, PSPICE model + Flyback model	On request[1)]

www.infineon.com/1EDI3040AS
www.infineon.com/1EDI3041AS

1) Available via myInfineon Collaboration Platform (myICP); please contact you regional Infineon sales partner in order to get access to restricted information (see next slide)
2) Available via Infineon Developer Center (IDC)

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