Application Guide
Easy to use
Split in modules and applications
Components and applications at a glance

Modules are subsystems which occur in several applications. Therefore modules are specified in detail on an extra page. The modules are marked yellow in all applications.

Colour code marks subsystems like:

- Power Lines
- Data Lines
- Electromechanical Connections
- RF Circuits

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DC / DC Converter

1. Power Inductor
   WE-PDx Series

2. Transformer for
   DC / DC Converter
   WE-FLEX

3. SMD EMI Power
   Ferrite Bead
   WE-PBF

4. Multiline Suppression
   Ferrite
   WE-MLS

5. Connectors
   WE-R

SMD Common Mode
Choke
WE-SLx Series

SMD Power Inductor
WE-TPC

SMD Power Inductor
WE-HCx Series

SMD Power Inductor
WE-PDx Series

Varistors
WE-VD

Power Line
Data Line
Electromechanical
RF
AC / DC Converter

Surge Suppression

EMI Suppression

Switching Circuit

Feedback / Sensor

Transformer

Output Filter

AC GND

Out 5V - 48V

GND

1. Current Compensated Power Line Choke
   WE-FC

2. Offline Transformer
   WE-UNIT

3. SMD Power Inductor
   WE-PDx Series

4. Varistors
   WE-VD

5. Connectors
   WERI

Power Line
Data Line
Electromechanical
RF
CAN – Interface

- CAN-Bus µ-Controller
  - D_GND
  - R₁
- CAN-Buffer
  - CAN_GND
  - CAN_HB
  - CAN_LB

- Chip Bead Ferrite
  - WE-CBF
- SMD Common Mode Line Filter
  - WE-SLM
- ESD Suppressors
  - WE-VE
- WERI
  - WR-DSUB
RS 232 / 485 Interface

PCXMIT

PCGND

OPT. SHIELD

Computer

DC/DC-Power Converter Module

MAX IM
MAX 860
IC1

IC1

C1
C2

C1

C2

C3
C4

C5
C6

C7

D1

1N4732

1N5817

+5V

33µF

33µF

33µF

100nF

OUT
LV

FC

SHDN
GND

Vdd

+ 33µF

+ 33µF

+ 33µF

100nF

SMD Chip Bead Ferrite WE-CBF

SMD Varistors WE-VS

Connectors WERI

ESD Suppressors WE-VE

Power Line

Data Line

Electromechanical

RF
Passive & Electromechanical Components

EMC Components

Power Magnetics

Signal & Communications

Connectors

Switches

Assembly Technique

Power Elements