WÜRTH ELEKTRONIK

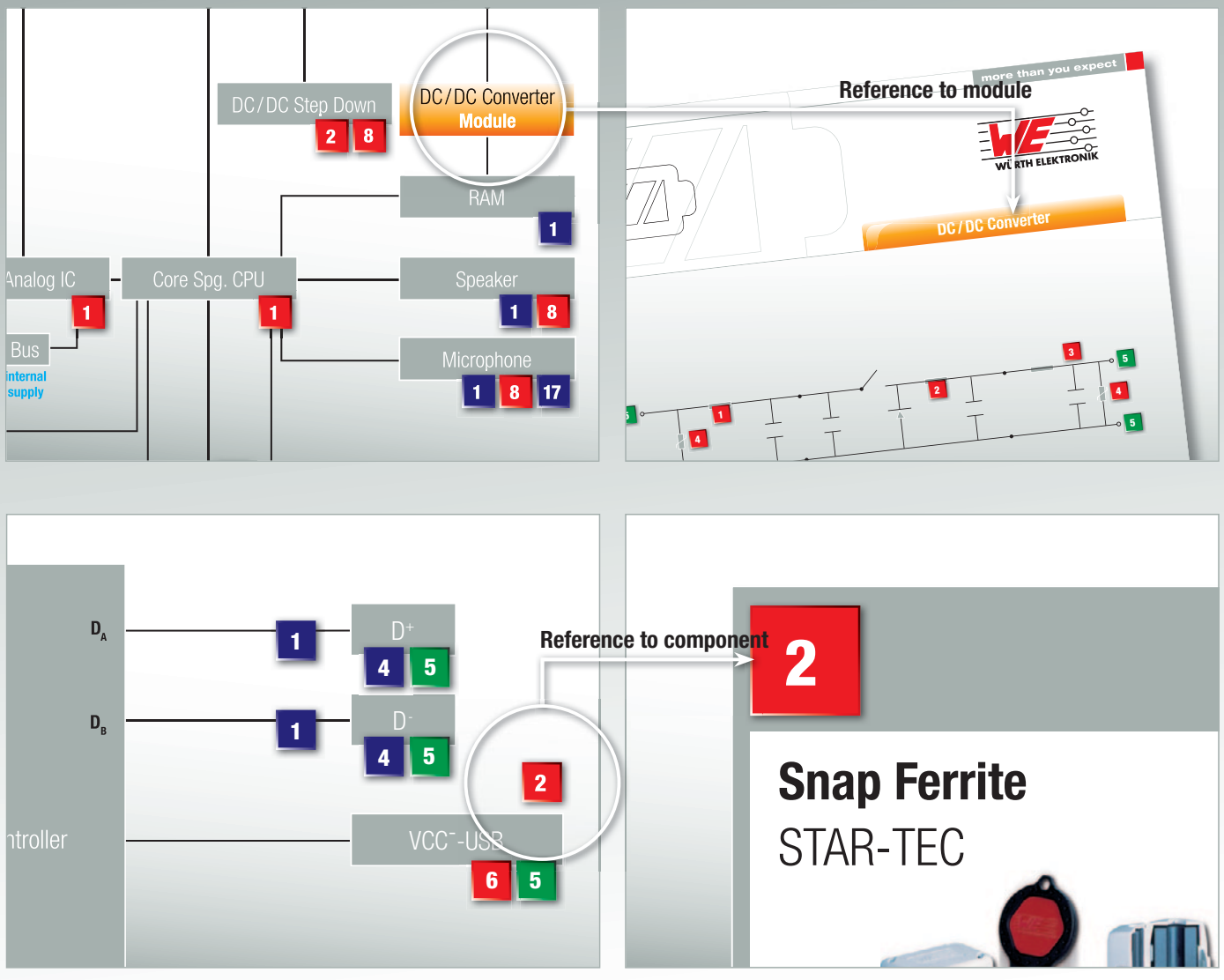
Application Guide

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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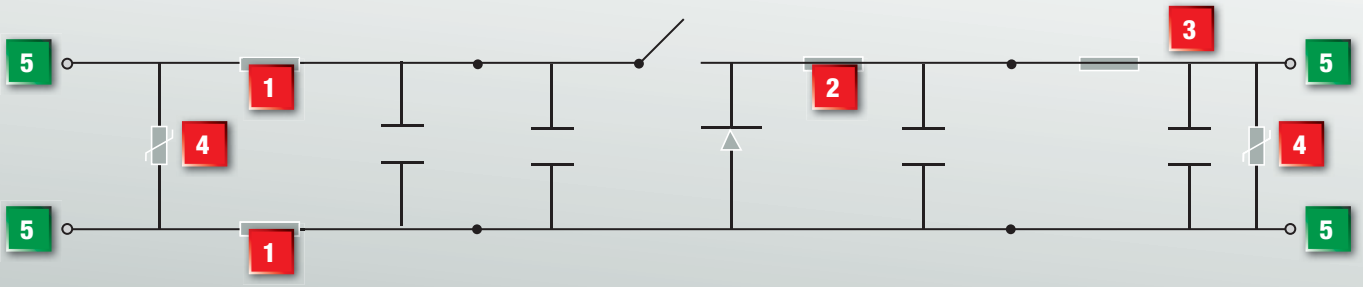
DC / DC Converter



1

Power Inductor
WE-PDx Series

SMD Common Mode Choke
WE-SLx Series

2

Transformer for DC / DC Converter
WE-FLEX

SMD Power Inductor
WE-TPC

SMD Power Inductor
WE-HCx Series

3

SMD EMI Power Ferrite Bead
WE-PBF

Multiline Suppression Ferrite
WE-MLS

SMD Power Inductor
WE-PDx Series

4

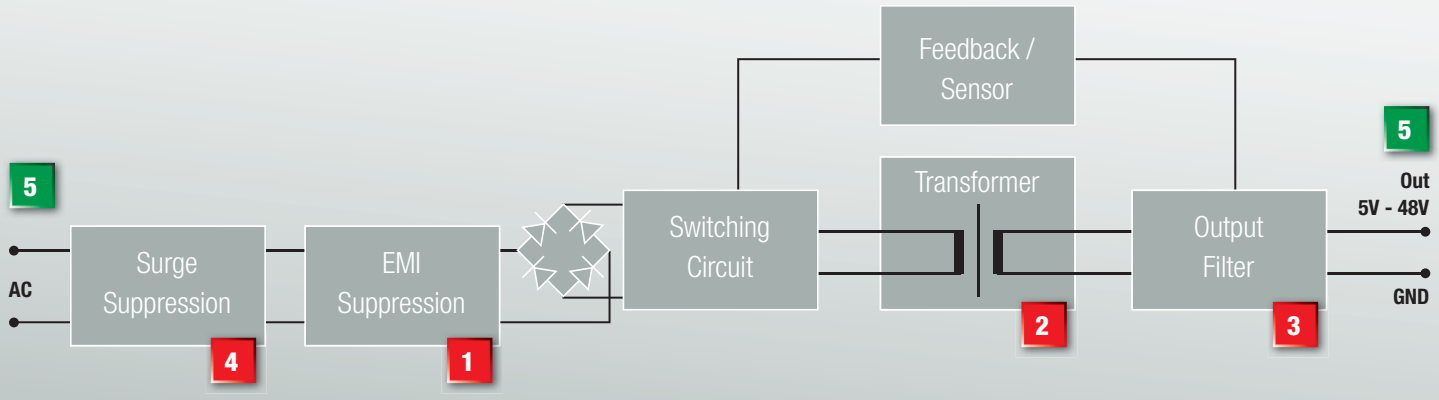
Varistors
WE-VS
WE-VD

5

Connectors
WERI

Power Line Data Line Electromechanical RF

AC / DC Converter



1

Current Compensated Power Line Choke
WE-FC

Current Compensated Choke
WE-CMB

Current Compensated Power Inductor
WE-LF

2

Offline Transformer
WE-UNIT

3

SMD Power Inductor
WE-PDx Series

SMD Tiny Power Inductor
WE-TPC

Axial Ferrite Bead

Common Mode
WE-SL5

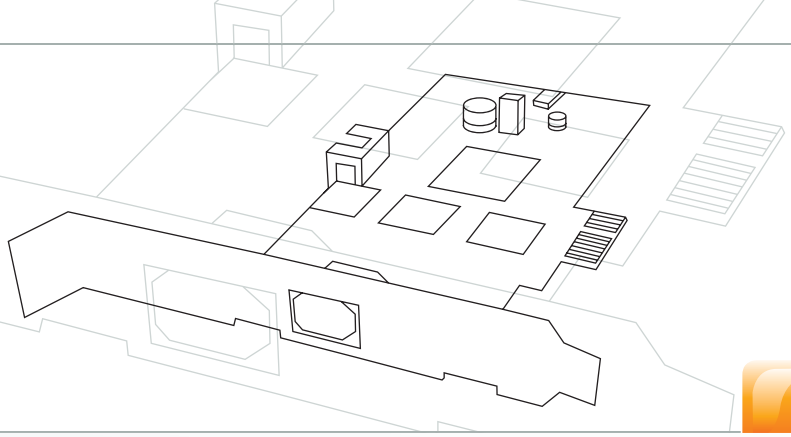
4

Varistors
WE-VD

5

Connectors
WERI

Power Line Data Line Electromechanical RF



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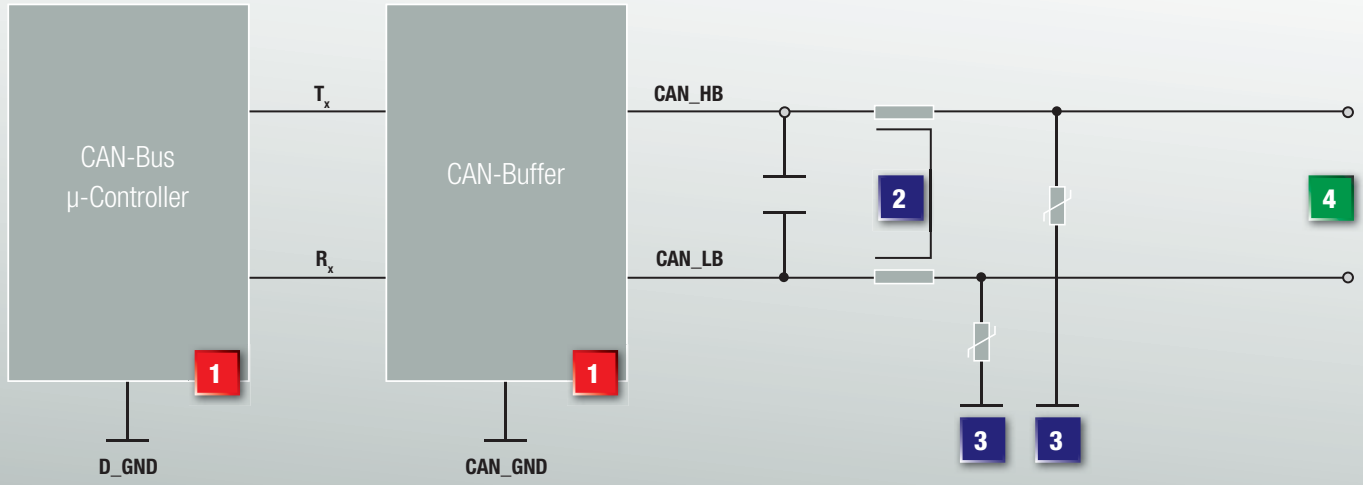
CAN – Interface



1

Chip Bead Ferrite
WE-CBF

2

SMD Common Mode Line Filter
WE-SLM

SMD Common Mode Line Filter
WE-SL2

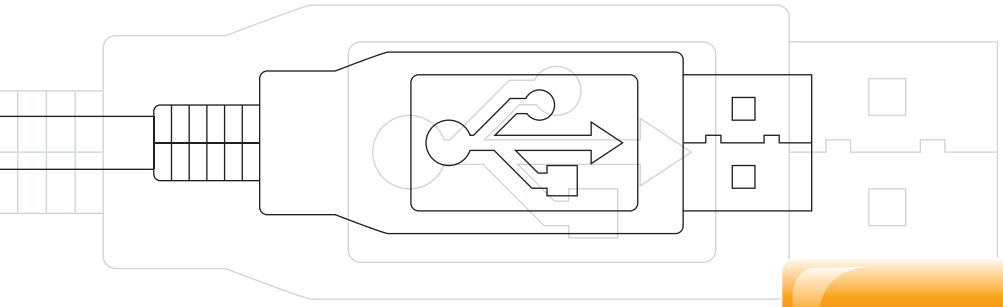
3

ESD Suppressors
WE-VE

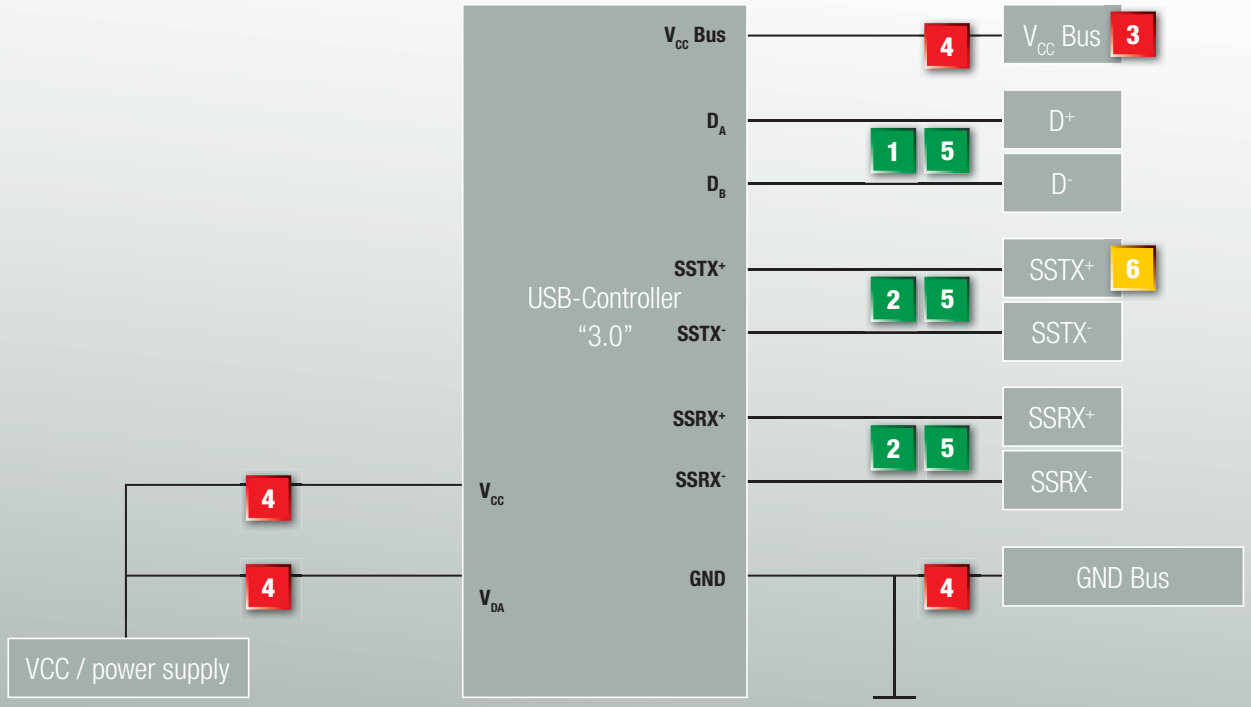
4

WERI
WR-DSUB

Power Line Data Line Electromechanical RF



USB 3.0



1 2 **SMD Common Mode Line Filter**
WE-CNSW

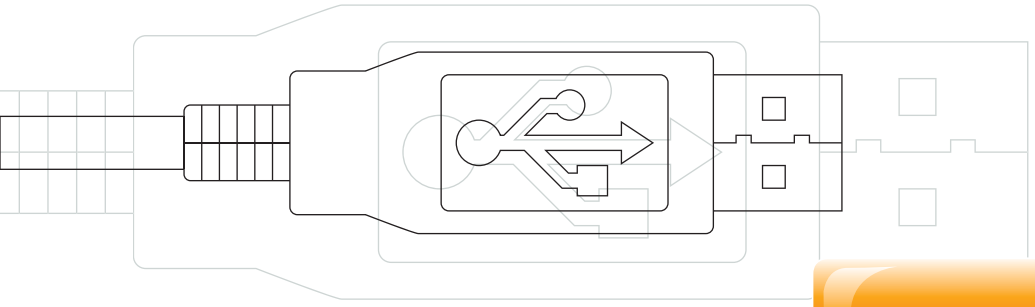
3 **Snap Ferrite**
STAR-TEC

4 **Chip Bead Ferrite**
WE-CBF

5 **TVS Diode**
WE-TVS

6 **USB 3.0**
WR-COM

Power Line Data Line Electromechanical RF



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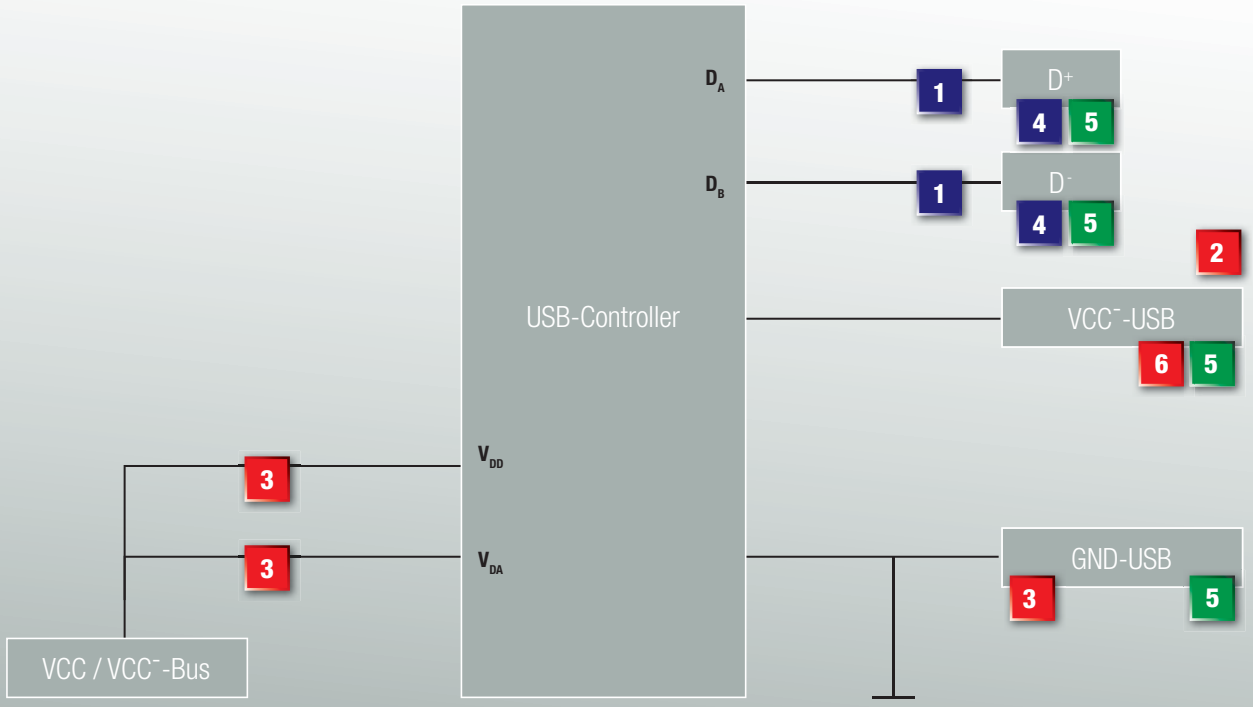
USB 2.0



1

SMD Common Mode Choke
WE-CNSW

SMD Common Mode Choke
WE-SL2

2

Snap Ferrite
STAR-TEC

3

Chip Bead Ferrite
WE-CBF

4

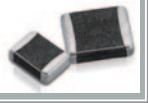
ESD Suppressors
WE-VEA
WE-VE

5

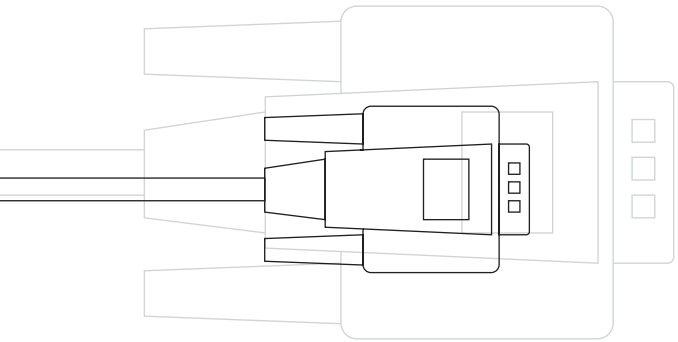
WERI
WR-COM

6

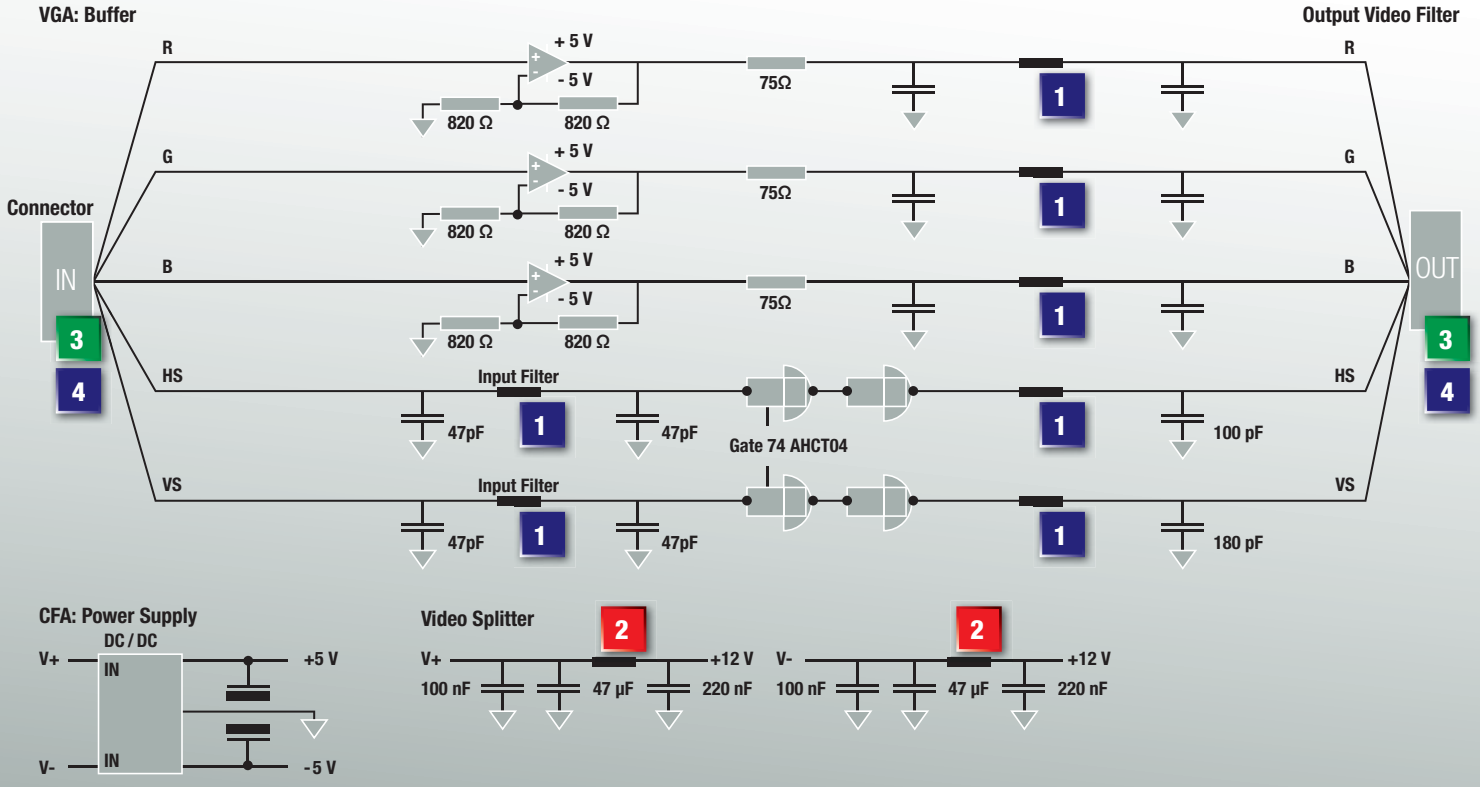
SMD Varistors
WE-VS



Power Line Data Line Electromechanical RF



VGA



1

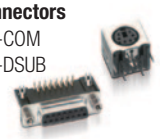
Chip Bead Ferrite
WE-CBF

2

SMD Power Inductor
WE-PD2
WE-GF

3

Connectors
WR-COM
WR-DSUB

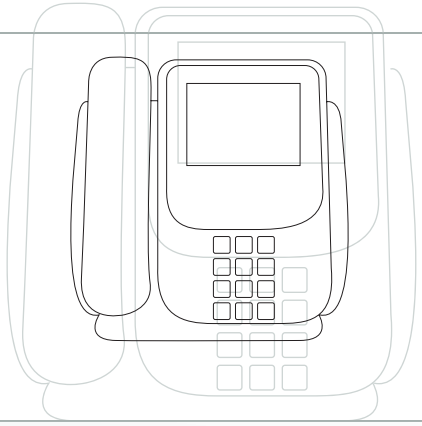


4

ESD Suppressors
WE-VE “ULC”
WE-VE femtoF

TVS Diode Array
WE-TVS

Power Line Data Line Electromechanical RF



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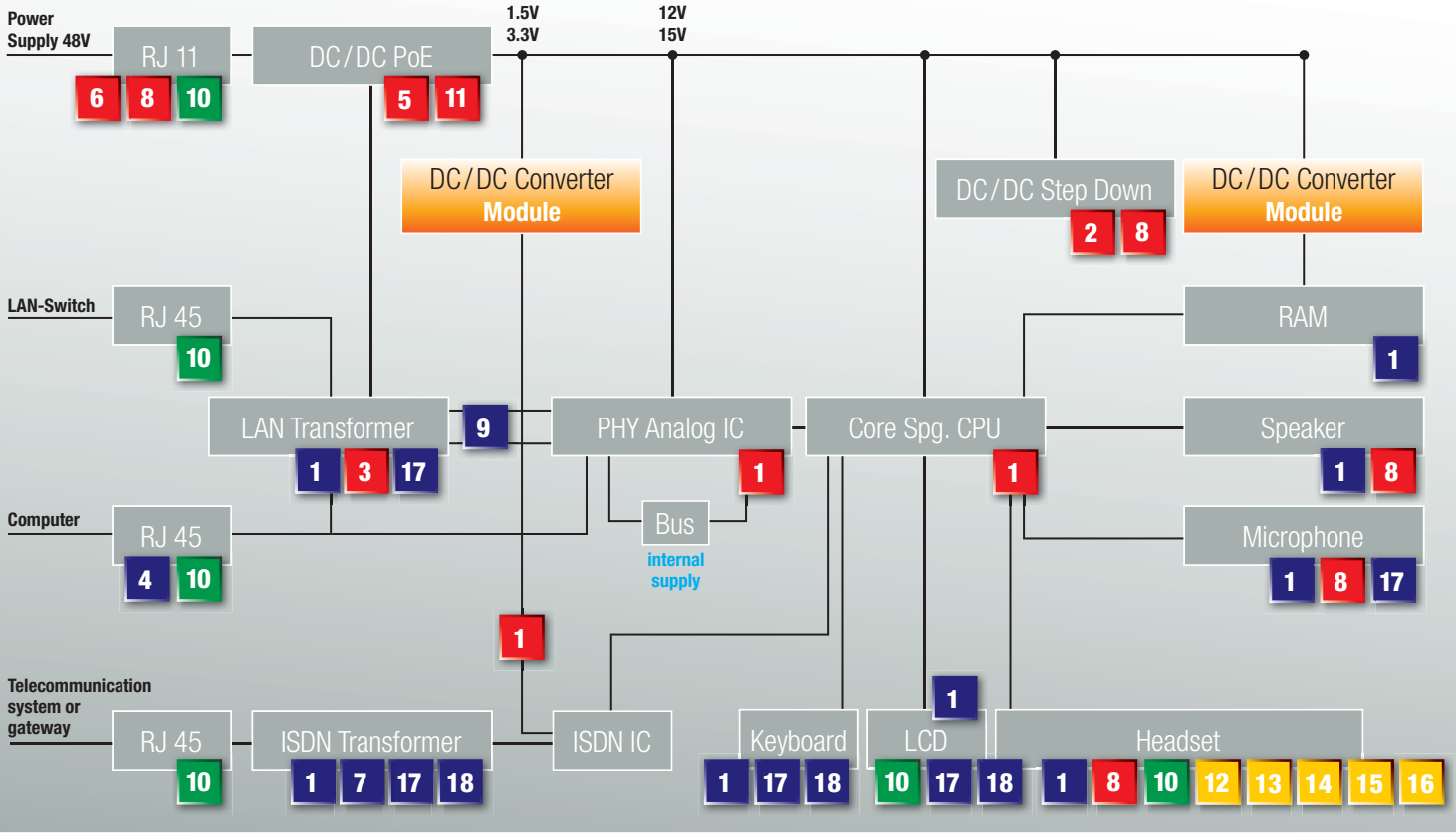
IP-Phone



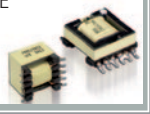
1 1 Chip Bead Ferrite
WE-CBF

2 SMD Power Inductor
WE-PDx Series
WE-TPC

3 LAN Transformer
WE-LAN

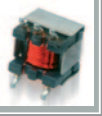
4 Integrated LAN RJ45 Transformer
WE-LAN RJ45

5 PoE Transformer
WE-PoE



6 Common Mode Line Filter
WE-SLx Series

7 Digital Transformer
WE-ISDN

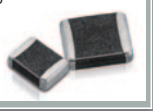


8 SMD RF Inductor
WE-GF
WE-LQ

9 SMD Common Mode Choke
WE-CNSW

10 Connectors
WERI

11 SMD Varistors
WE-VS



12 SMD Multilayer Ceramic Inductor
WE-MK

13 SMD Wire Wound Ceramic Inductor
WE-KI

14 Multilayer Chip Antenna
WE-MCA

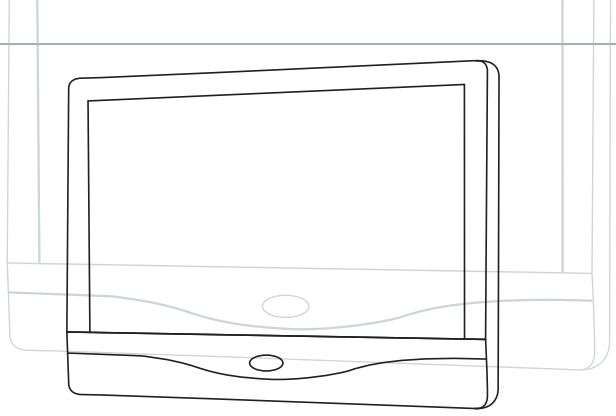
15 Multilayer Band-Pass Filter
WE-BPF

16 Multilayer Chip Balun
WE-BAL

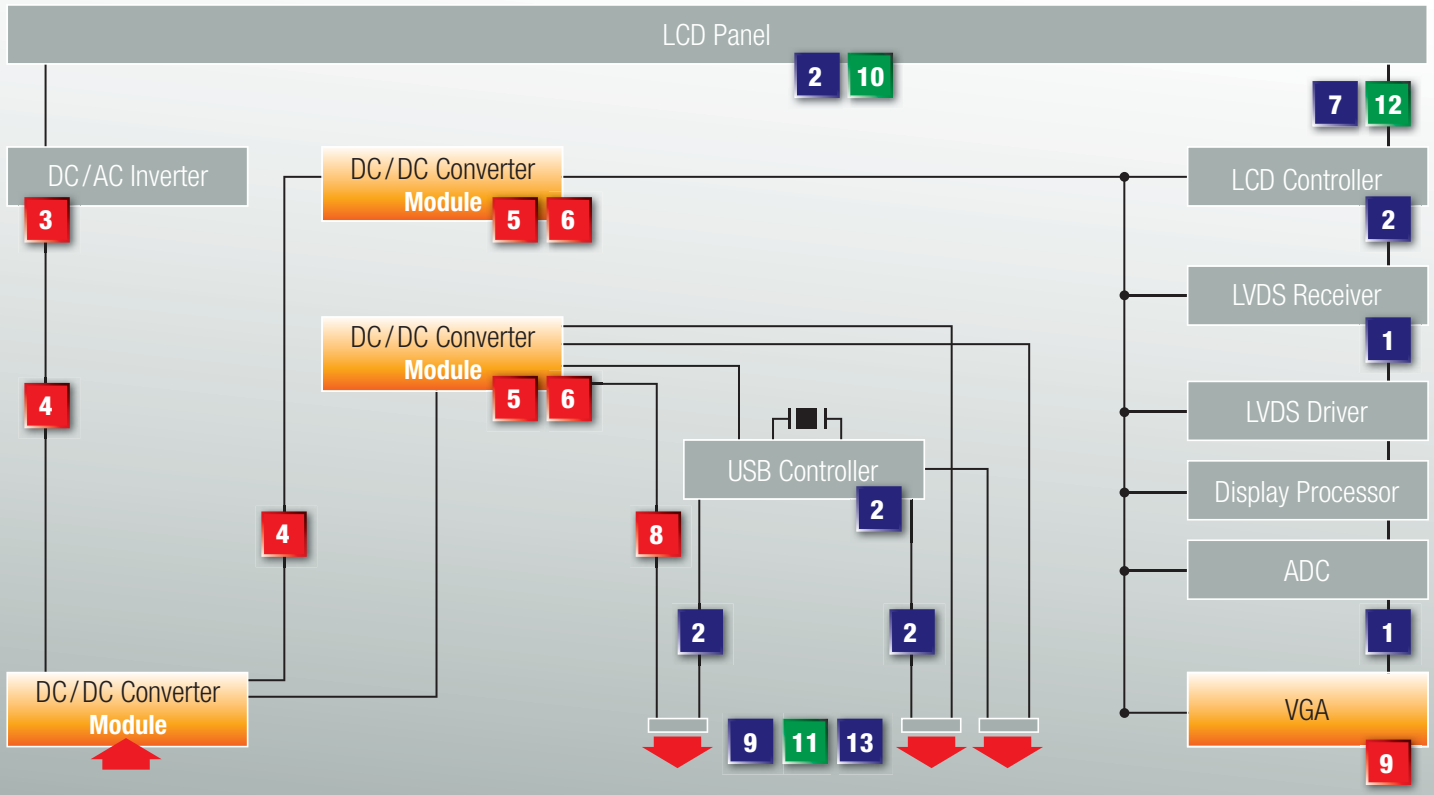
17 ESD Suppressors
WE-VE

18 TVS Diode Array
WE-TVS

Power Line Data Line Electromechanical RF



LCD Monitor



1 **SMD Common Mode Choke** WE-CNSW

2 **Chip Bead Ferrite** WE-CBF

3 **Analog Modem Transformer** WE-AMT

4 **SMD Common Mode Line Filter** WE-SLx Series

5 **SMD RF Inductor** WE-LQ

6 **SMD Power Inductors** WE-PDx Series WE-TPC

7 **Ferrite Plate**

Flat Ferrite Core

8 **Power Ferrite Bead** WE-PF

9 **ESD Suppressors** WE-VE

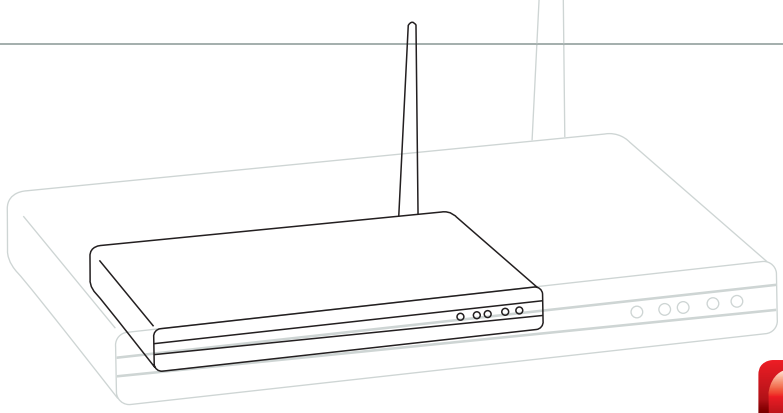
10 **Conductive Shielding Material** WE-LT

11 **Connectors** WR-COM

12 **Connectors** WR-FPC WR-FFC

13 **TVS Diode Array** WE-TVS

Power Line | Data Line | Electromechanical | RF



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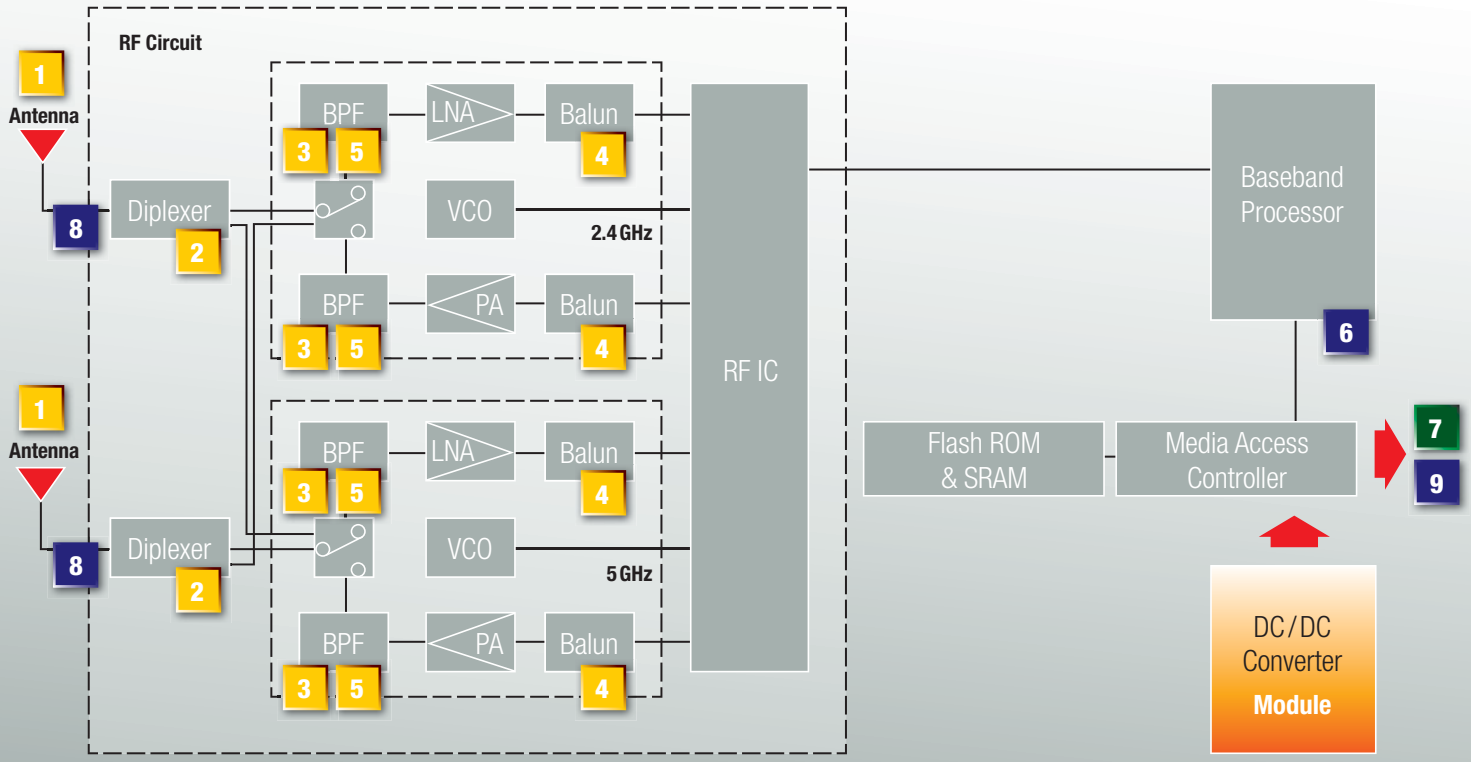
Wireless LAN (2.4 GHz / 5 GHz)



1 **Multilayer Chip Antenna**
WE-MCA

2 **Multilayer Chip Diplexer**
WE-DPX

3 **Multilayer Chip Band-Pass Filter**
WE-BPF

4 **Multilayer Chip Balun**
WE-BAL

5 **SMD Wire Wound Ceramic Inductor**
WE-KI

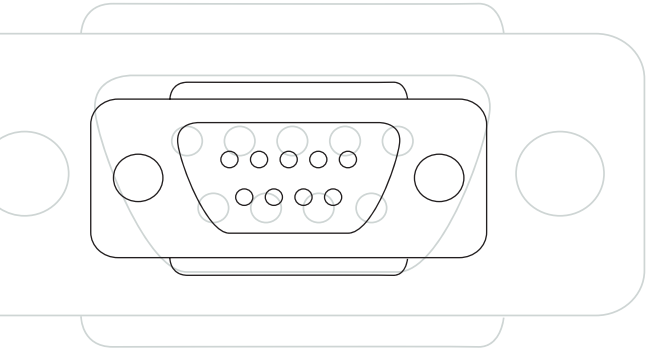
6 **Chip Bead Ferrite**
WE-CBF

7 **Connectors**
WR-COM

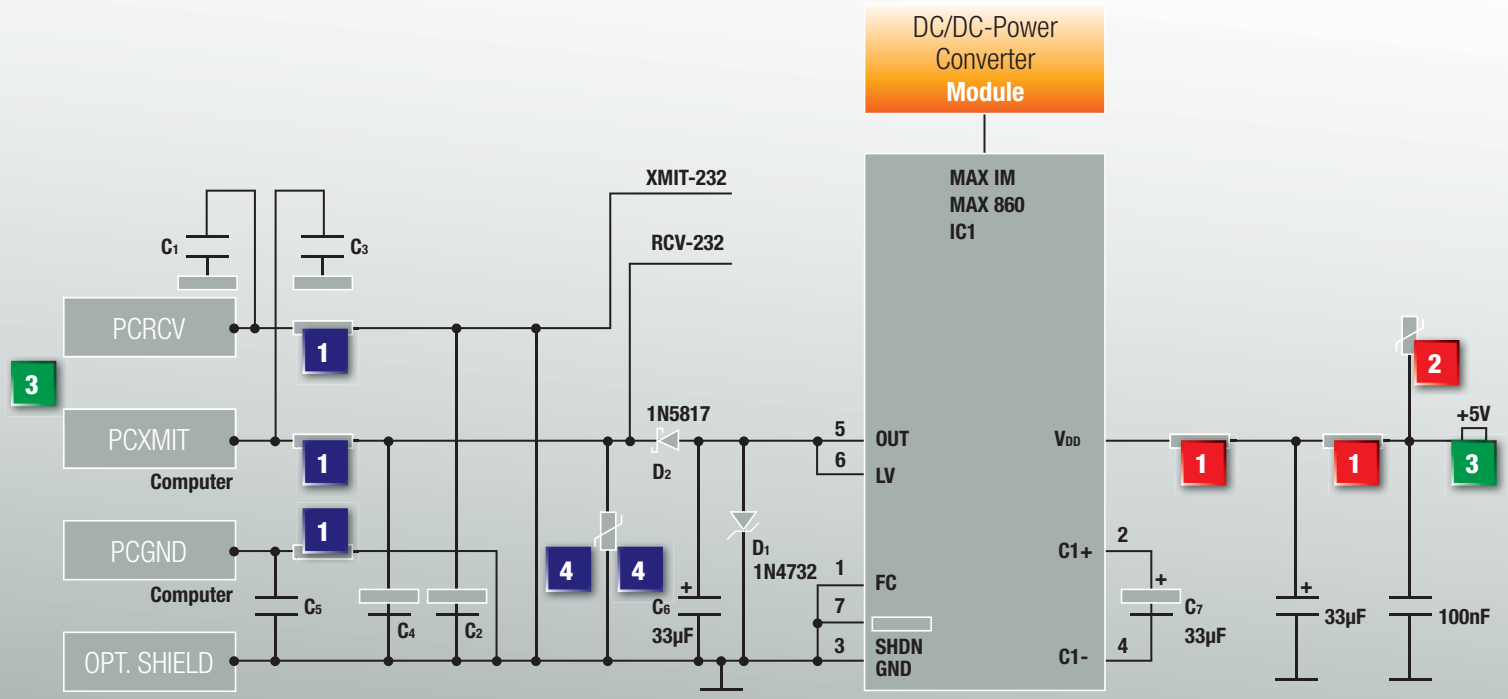
8 **ESD Suppressor**
WE-VE femtoF

9 **ESD Suppressor**
WE-VE

Power Line Data Line Electromechanical RF

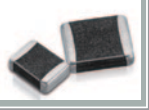


RS 232 / 485 Interface



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

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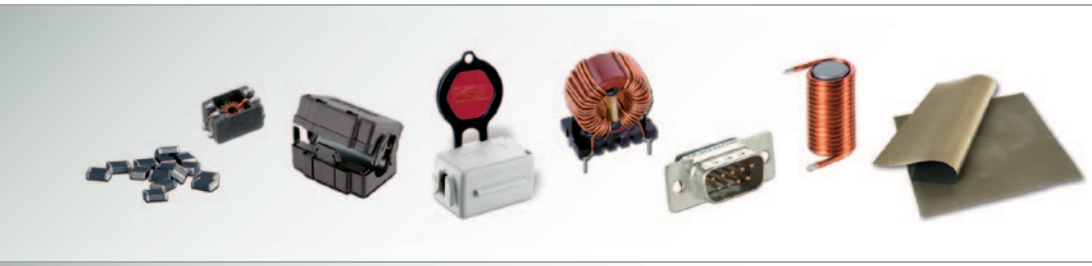
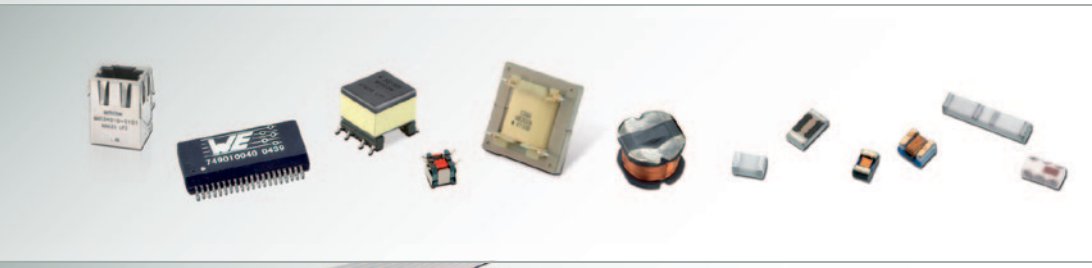
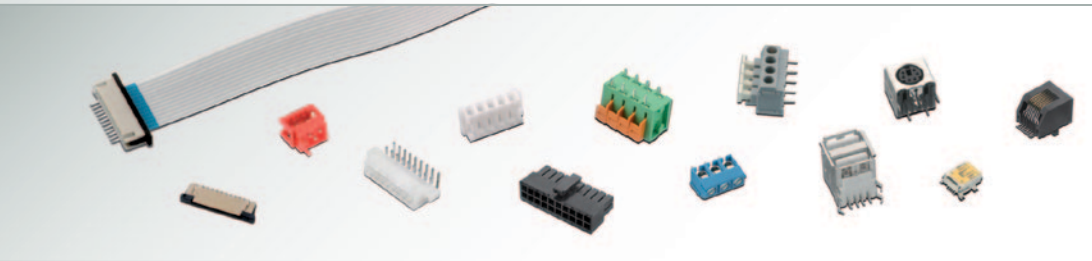


EMC Components

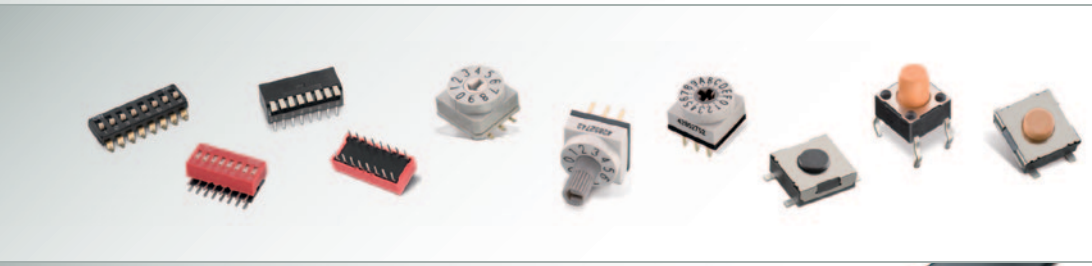
Power Magnetics



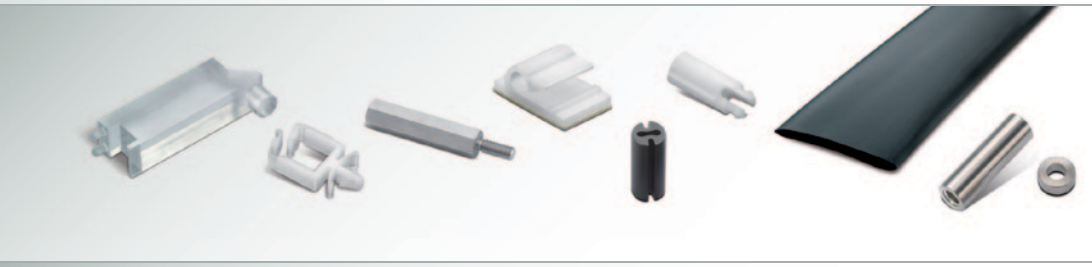
Signal & Communications



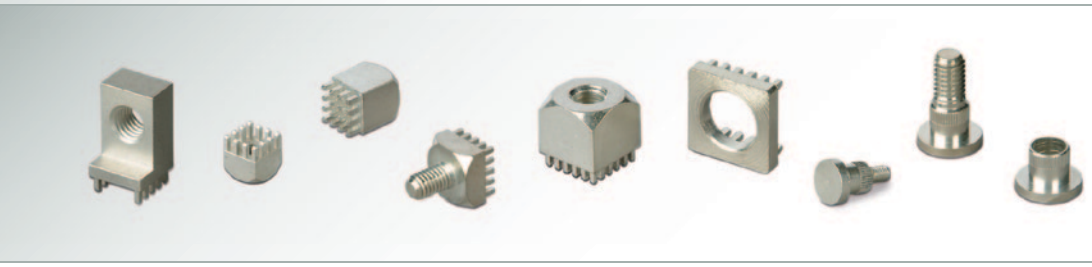
Connectors



Switches



Assembly Technique



Power Elements

DIE NECKARPRINZEN 1110.5 FLY