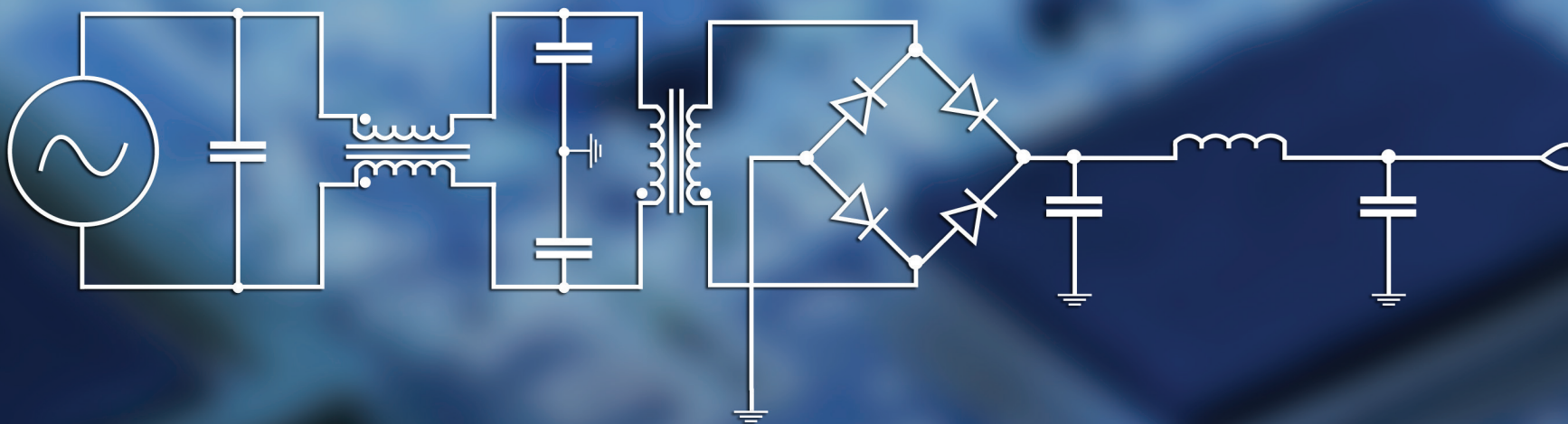




Application Guide

KEMET makes it possible.

Electronic Components

KEMET

CHARGED.®

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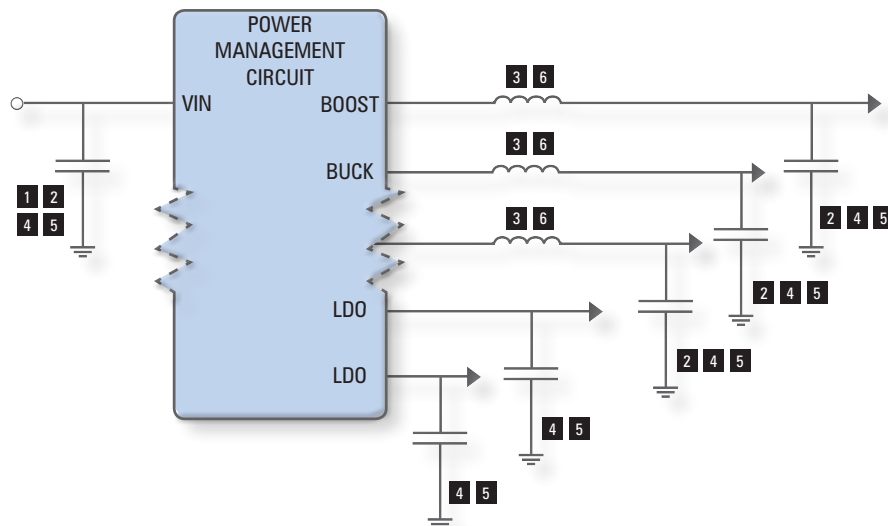
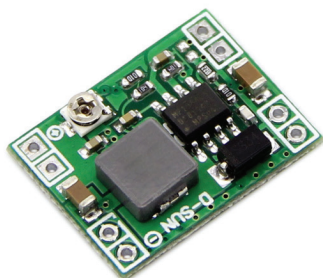
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Why Choose KEMET

KEMET Electronics Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry, along with an expanding range of electromagnetic compatibility solutions and supercapacitors. Our vision is to be the preferred supplier of electronic component solutions for customers demanding the highest standards of quality, delivery and service.

Low Voltage and DC Applications

DC POWER DISTRIBUTION



- 1 SMT ALUMINUM ELECTROLYTIC**
A750, A765, EDH, EDK, EEV, EXV



- 2 KO-CAP®**
T520, T521, T530



- 3 POWER INDUCTOR**
MPC, CPI, HDI, PLC, SBC



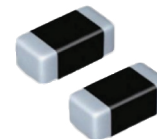
- 4 MLCC**
X7R, X5R



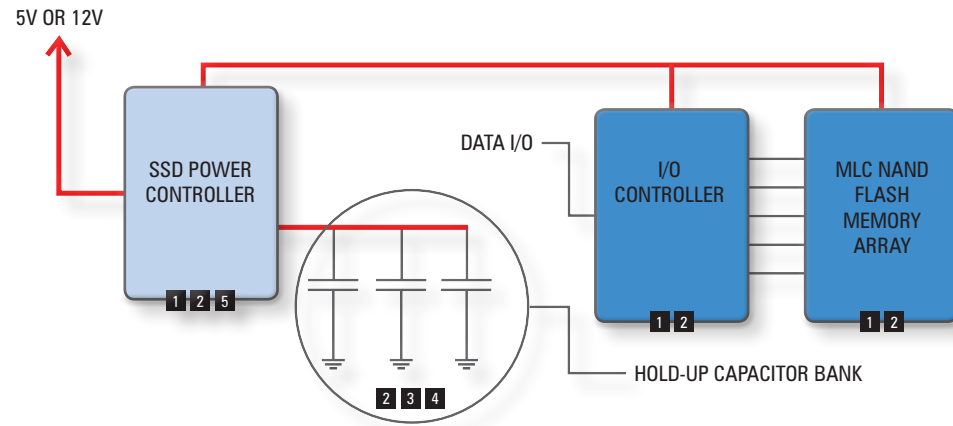
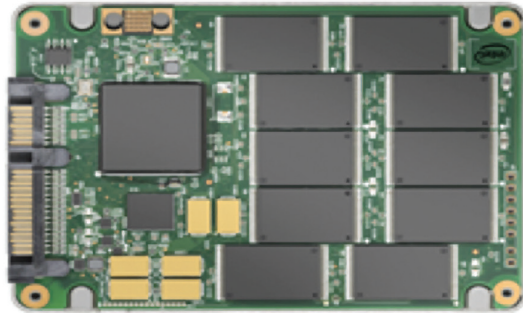
- 5 ALUMINUM POLYMER**
A700, A720



- 6 CHIP INDUCTORS**
PWS, PWI, PWR, PWF



SOLID STATE DRIVE (SSD)



- 1 MLCC**
X7R, X5R



- 2 KO-CAP**
T545



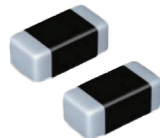
- 3 RADIAL ALUMINUM ELECTROLYTICS**
A765, ESK, ESH, ESC, ESG



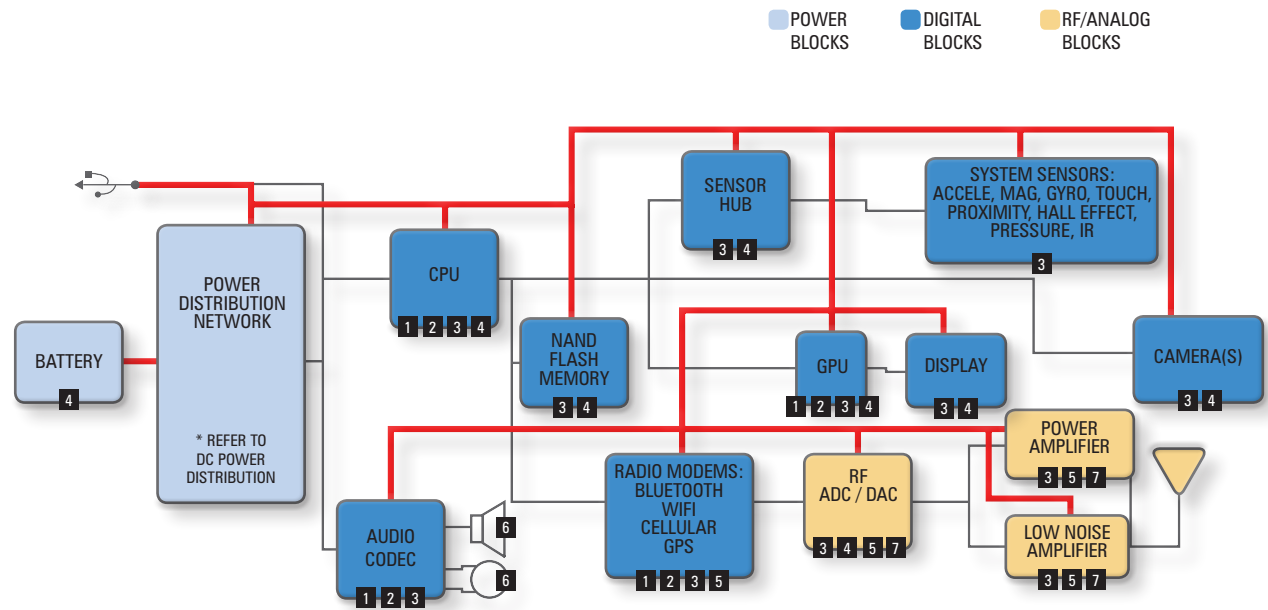
- 4 RADIAL SUPERCAPACITORS**
HVZ SERIES



- 5 INDUCTORS**
PWS, PWI, PWR, PWF



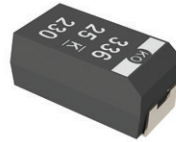
SMARTPHONE/ TABLET



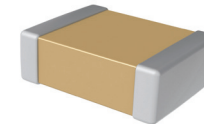
1 ALUMINUM POLYMER
A700, A720



2 KO-CAP
T520, T528, T521, T529



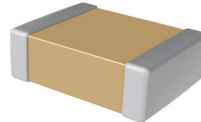
3 MLCC
C0G, X7R, X5R



4 FLEX SUPPRESSOR
EFH, EFG, EFF



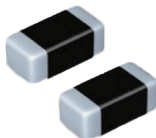
5 RF MLCC
CBR



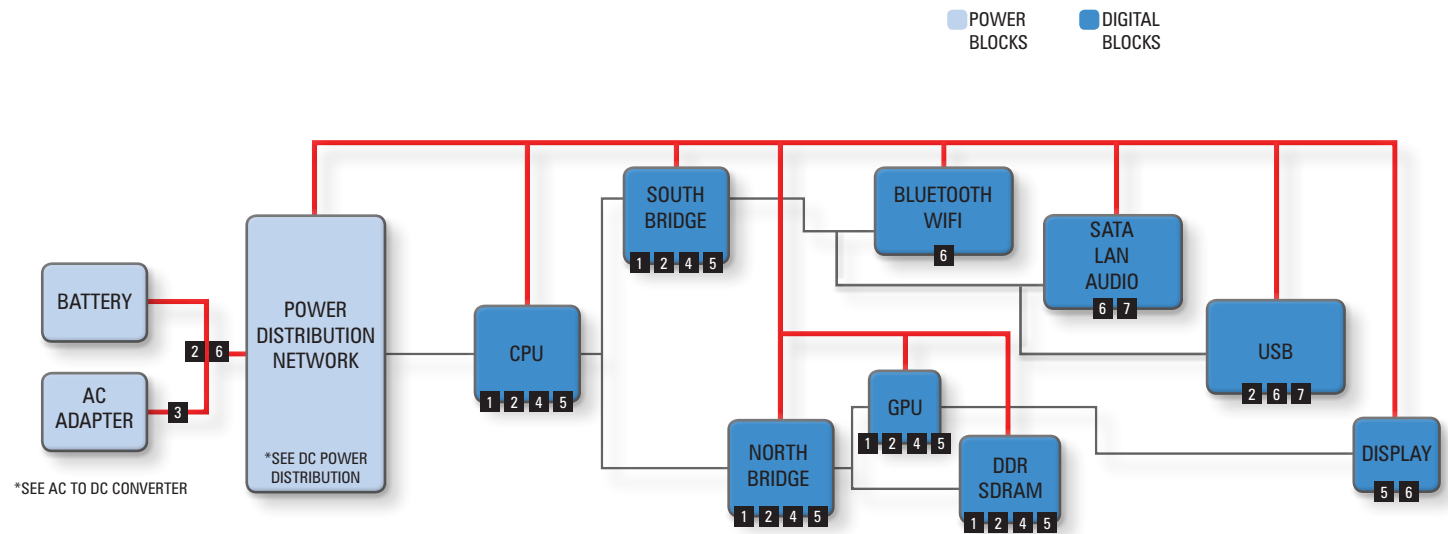
6 ACOUSTIC MODULE
MINIATURE ACUTATOR Rxx



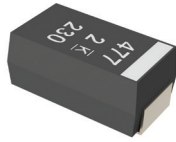
7 CHIP INDUCTORS
RMS



LAPTOP COMPUTER



1 ALUMINUM POLYMER A700, A720



2 KO-CAP T520, T528, T521, T529



3 EMI CORE ESD



4 FLEX SUPPRESSOR EFH, EFG, EFF



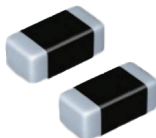
5 MLCC C0G, X7R, X5R



6 ALUMINUM ELECTROLYTIC A758, A765, EDH, EDK

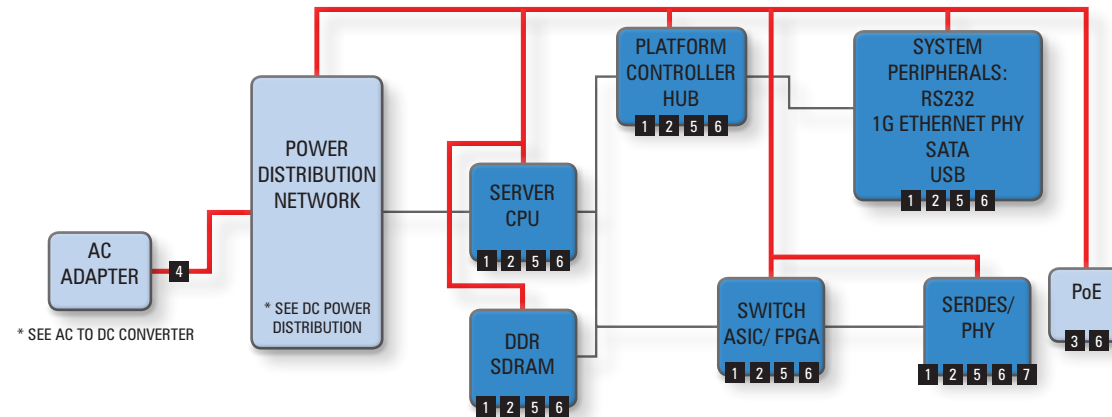
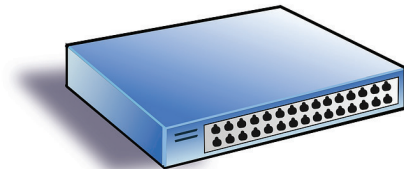


7 INDUCTORS PWS, PWI, PWR, PWF

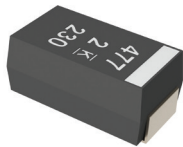


NETWORK SWITCH

POWER BLOCKS DIGITAL BLOCKS



1 ALUMINUM POLYMER A700, A720



2 KO-CAP T520, T521, T530



3 CURRENT SENSOR MDCS



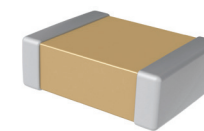
4 EMI CORE ESD



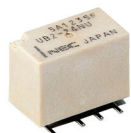
5 FLEX SUPPRESSOR EFH, EFG, EFF



6 MLCC X7R, C0G, X5R



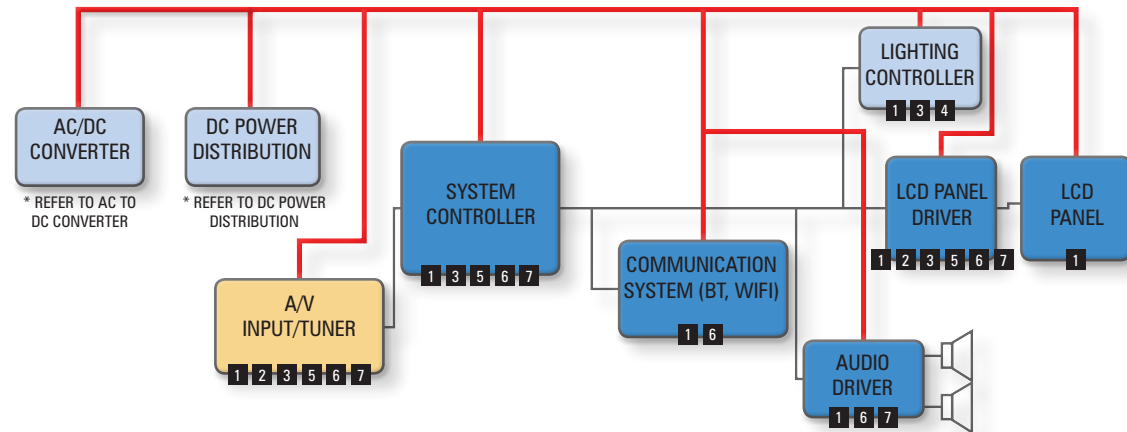
7 SIGNAL RELAY UB2, UD2



FLAT PANEL TV



POWER BLOCKS DIGITAL BLOCKS RF/ANALOG BLOCKS



1 MLCC
X7R, X5R



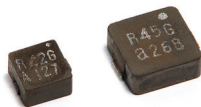
2 CHIP FILTER
M-500CT, M-600T



3 KO-CAP
T520, T521



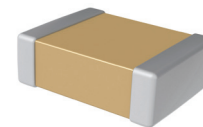
4 POWER INDUCTOR
MPC, CPI, HDI, PLC, SBS



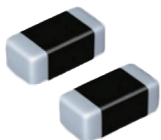
5 FLEX SUPPRESSOR
EFH, EFG, EFF



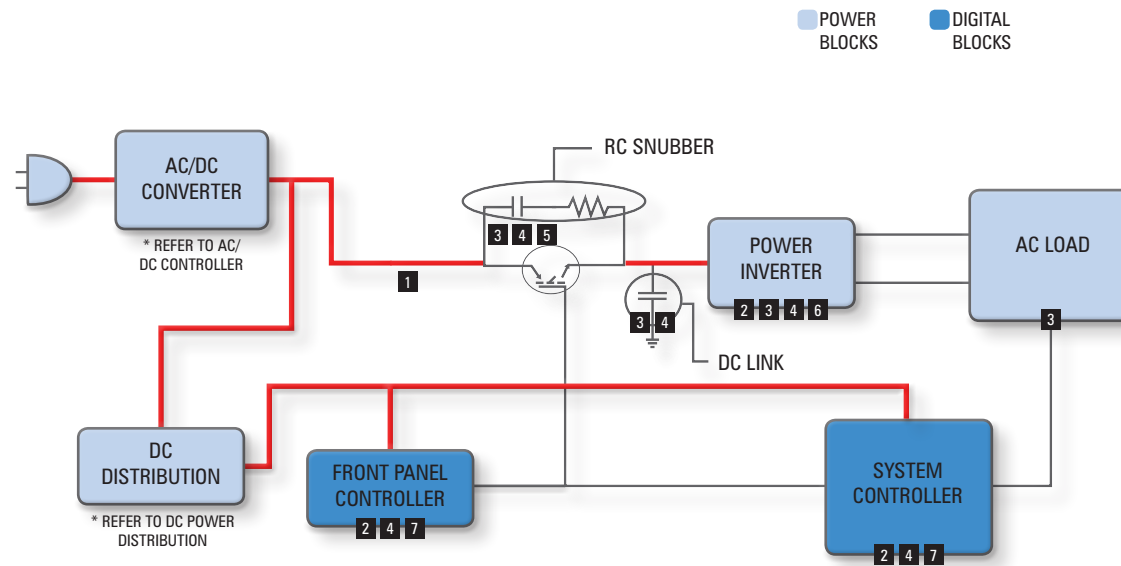
6 MLCC
COG



7 INDUCTORS
PWS, PWI, PWR, PWF



HIGH EFFICIENCY APPLIANCES



1 EMI CORE ESD



2 ALUMINUM ELECTROLYTIC ALC10, ALC40, EDH, ESK, ELH



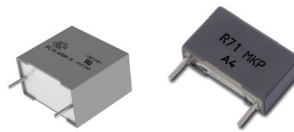
3 FILM C4AE



4 MLCC C0G, X7R, X5R



5 FILM OR RC SNUBBER R71, R73, R76, C4AS, F43



6 KO-CAP T520, T521

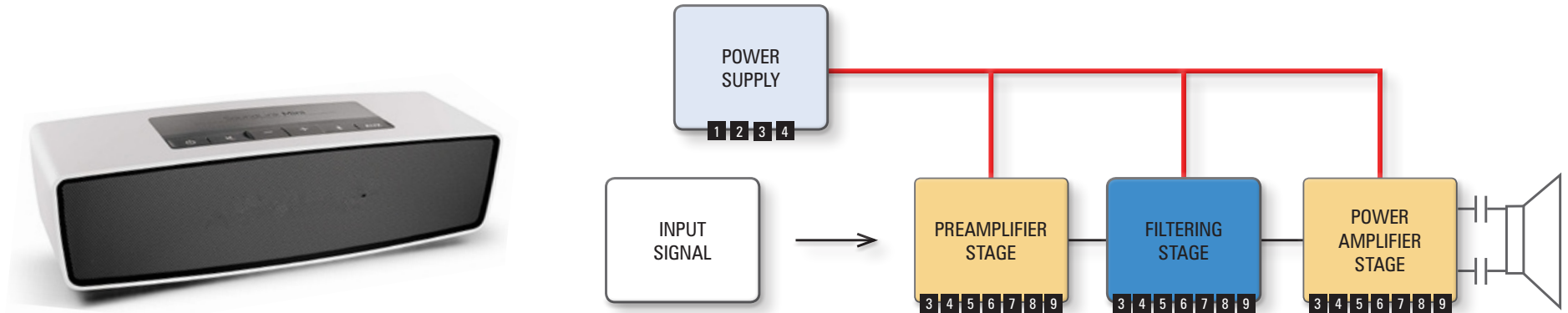


7 RADIAL SUPERCAPACITOR FG, FE, FM, FR



HIGH-END AUDIO

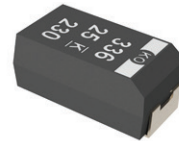
POWER BLOCKS DIGITAL BLOCKS ANALOG BLOCKS



1 CLASS II MLCC
X7R, X5R



2 KO-CAP
T520, T521, T530



3 SNAP-IN ALUMINUM ELECTROLYTIC
ALC10S



4 POWER INDUCTOR
MPC, CPI, HDI, PLC, MPL, MPLC, MPGH



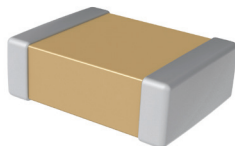
5 LEADED CERAMIC
Goldmax



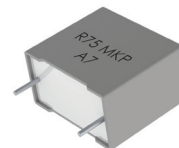
6 LEADED FILM
A50



7 CLASS I MLCC
U2J, C0G

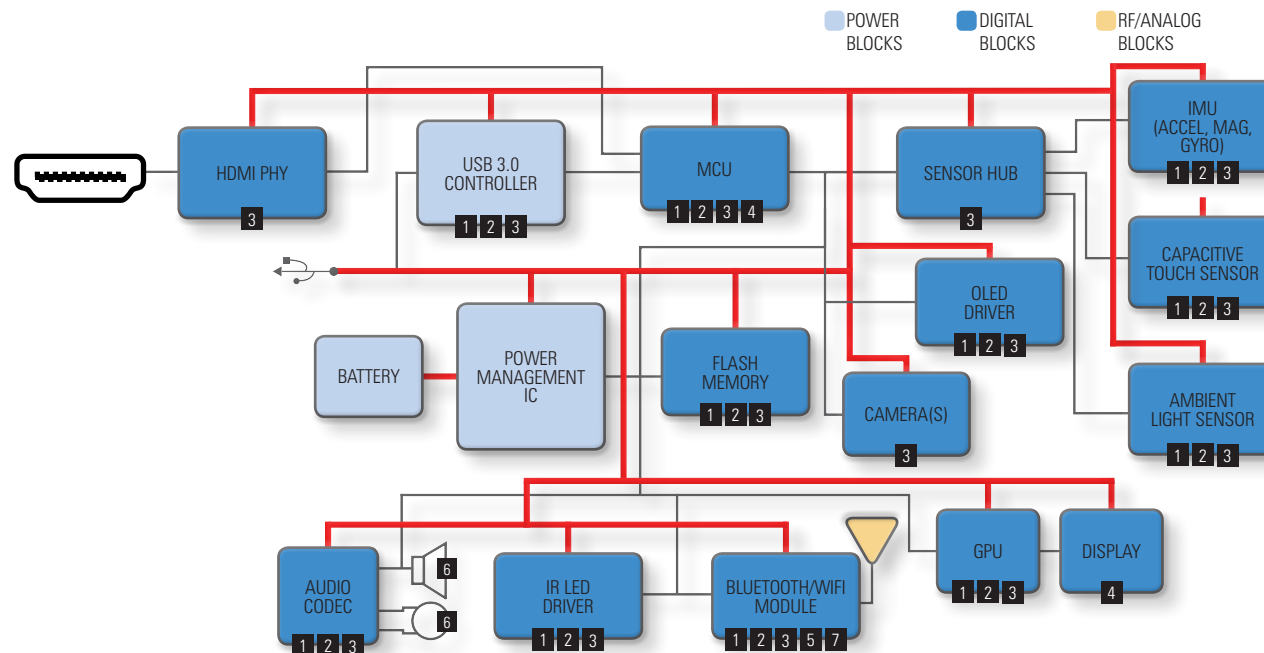


8 POLYPROPYLENE FILM
R75

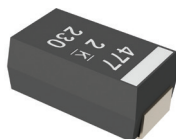


9 LEADED INDUCTOR
SBC, SBCP

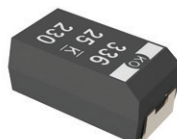




A700, A720



T520, T528, T521, T529



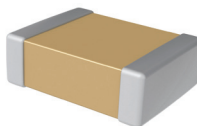
COG, X7R, X5R



EFH, EFG, EFF



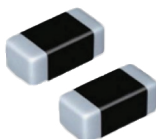
CBR



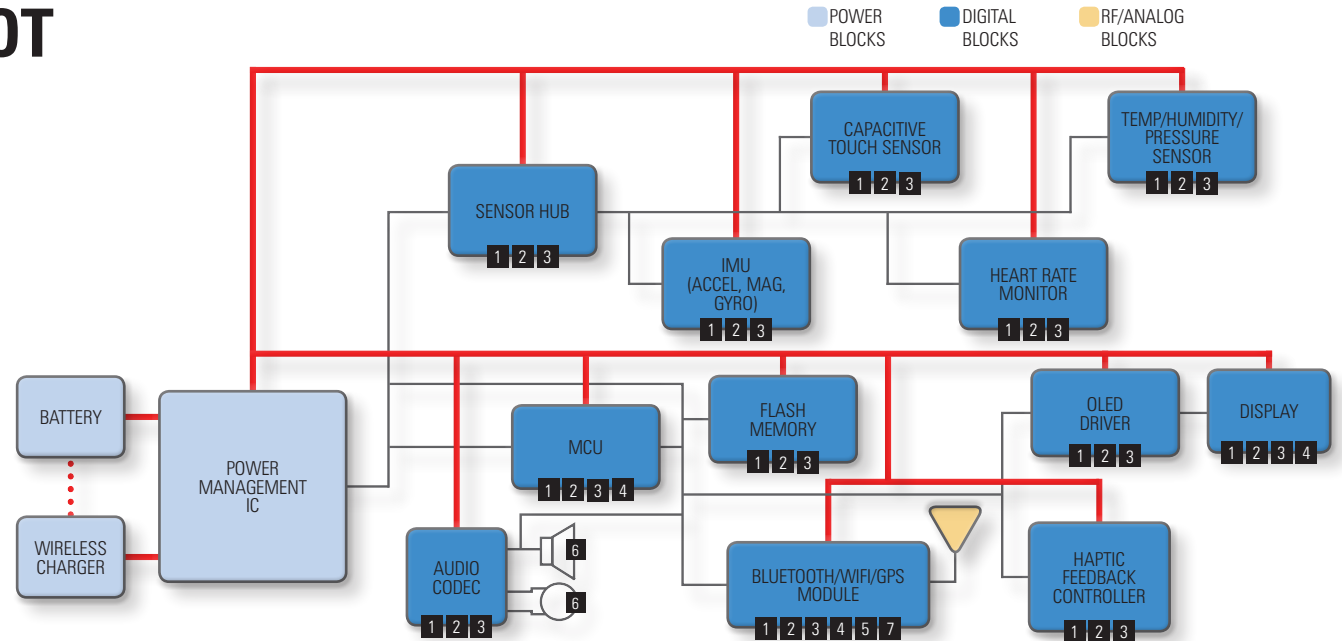
MINIATURE ACUTATOR Rxx



RMS



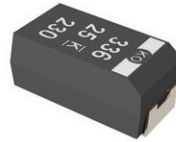
WEARABLE DEVICE/IOT



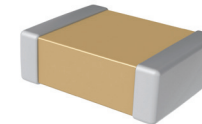
1 ALUMINUM POLYMER
A700, A720



2 KO-CAP
T520, T528, T521, T529



3 MLCC
COG, X7R, X5R



4 FLEX SUPPRESSOR
EFH, EFG, EFF



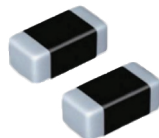
5 RF MLCC
CBR



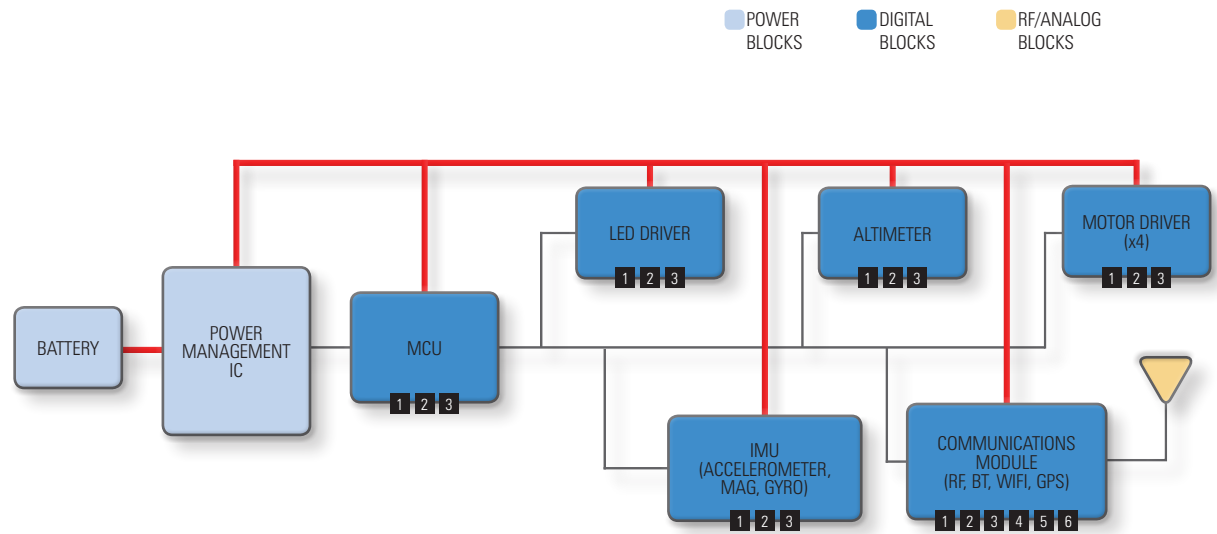
6 ACOUSTIC MODULE
MINIATURE ACUTATOR Rxx



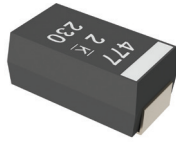
7 CHIP INDUCTORS
RMS



DRONE



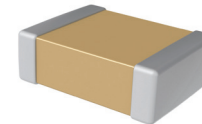
1 ALUMINUM POLYMER A700, A720



2 KO-CAP T520, T528, T521, T529



3 MLCC C0G, X7R, X5R



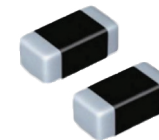
4 FLEX SUPPRESSOR EFH, EFG, EFF

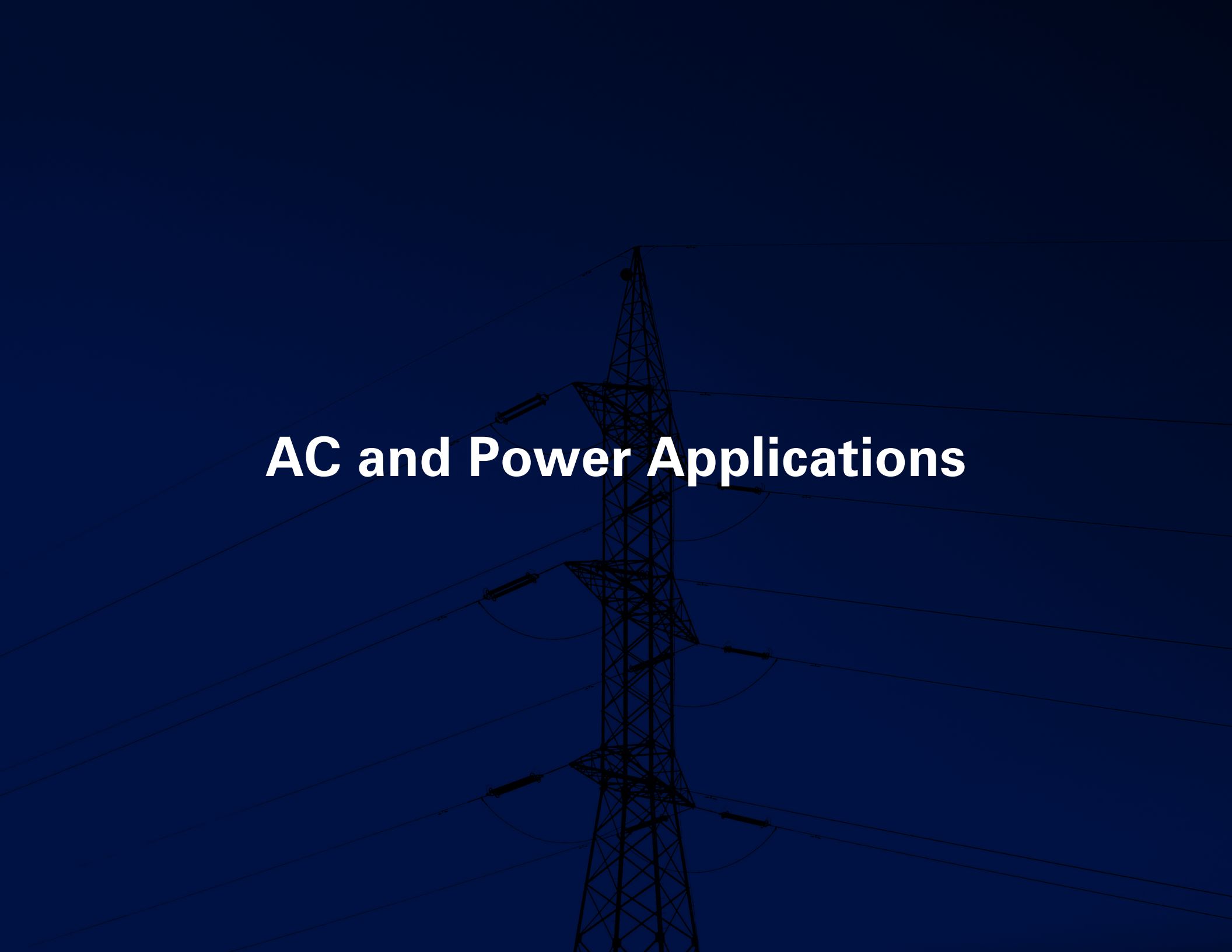


5 RF MLCC CBR



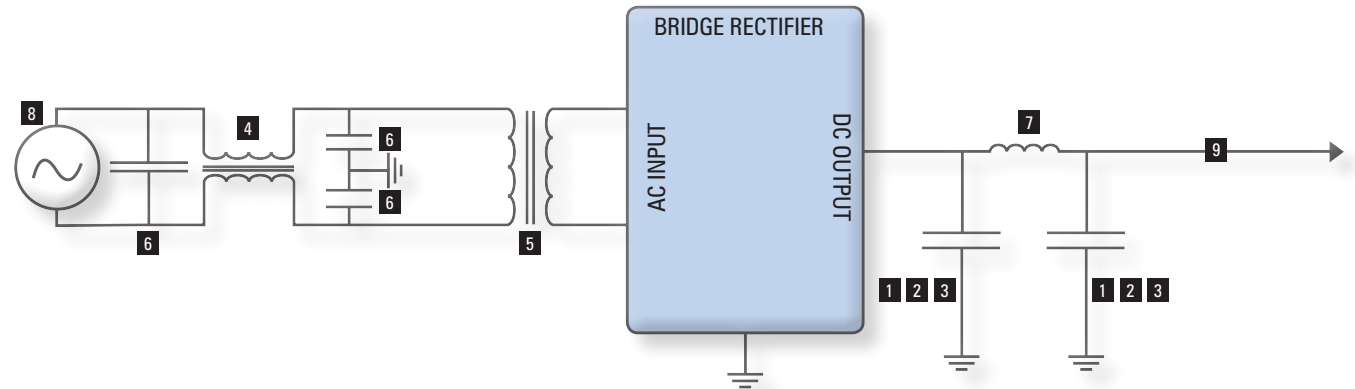
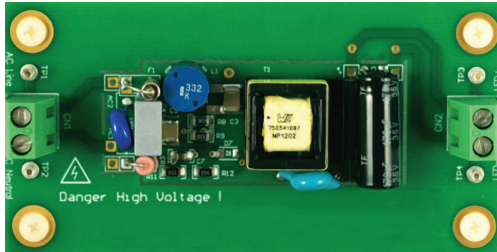
6 CHIP INDUCTORS RMS





AC and Power Applications

AC TO DC CONVERTER



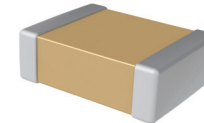
- 1 ALUMINUM ELECTROLYTIC**
ALC10, ALC40, ALS30, EDH, EDK



- 2 KO-CAP**
T520, T521, T530



- 3 MLCC**
X7R, X5R



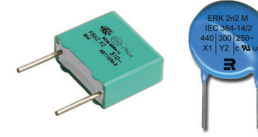
- 4 AC LINE FILTER**
SS, SU, SC



- 5 TRANSFORMER**
EB



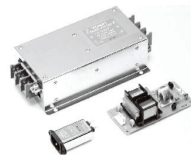
- 6 X/Y SAFETY CAP**
C900, R46, R47



- 7 POWER INDUCTOR**
MPC, CPI, HDI, PLC, MPL, MPLC, MPGH



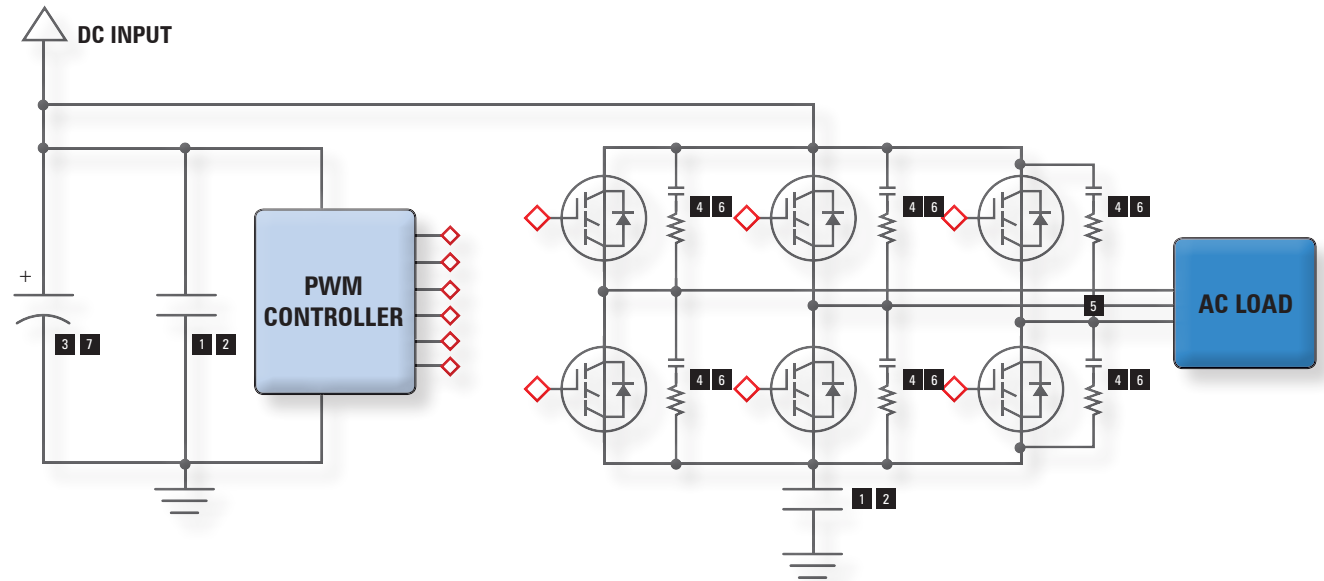
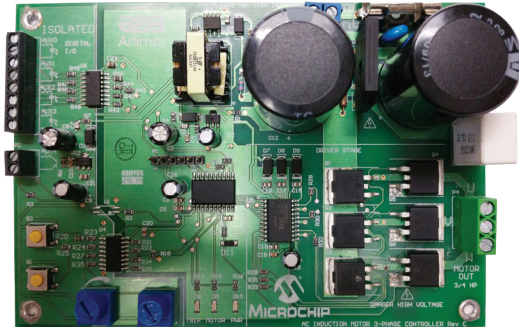
- 8 FB INLET FILTER**
GL-C, GL-FVP, GL-H, GL-M, DECTRON FB



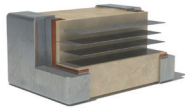
- 9 EMI CORE**
ESD



H-BRIDGE INVERTER



1 CERAMIC
X7R, X5R



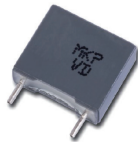
2 KO-CAP
T520, T521



3 POWER FILM
C44H, C44P



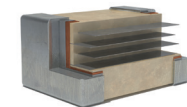
4 PULSE CAPS
R71, R76



5 CURRENT SENSOR
CT



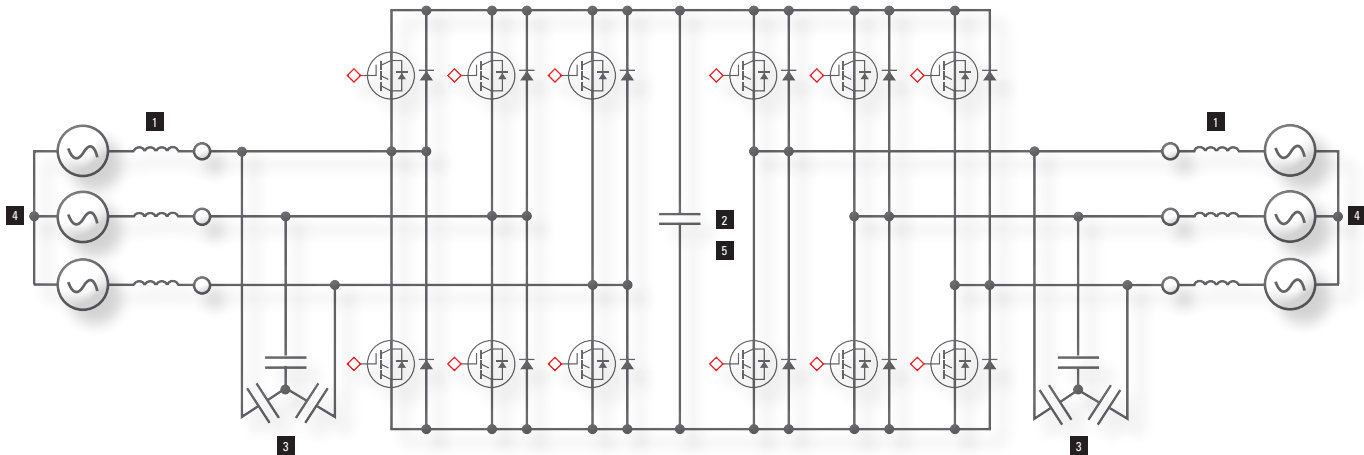
6 CERAMIC
HV COG



7 ALUMINUM ELECTROLYTIC
ALC10, ALC40, ALS30, EDH, EDK



VARIABLE FREQUENCY DRIVE



1 AC INDUCTOR
FELCO



2 DC LINK
C4AE



3 POWER FILM
C44H, C44P



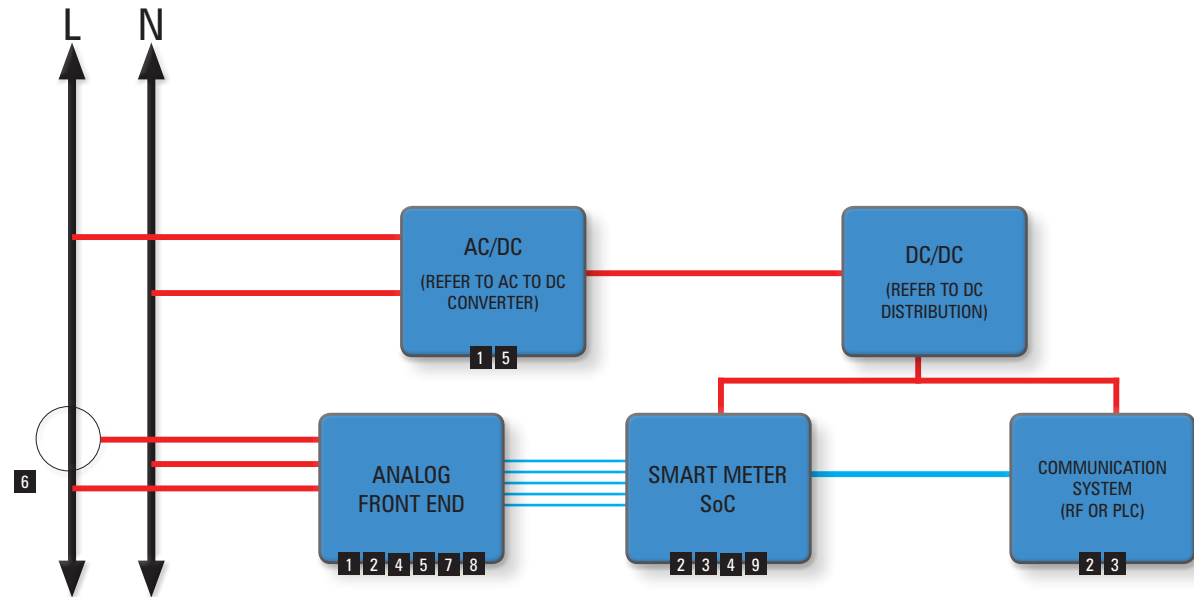
4 CURRENT SENSOR
CT



5 ALUMINUM ELECTROLYTIC
ALC10, ALC40, ALS30, ALS60



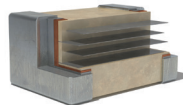
SMART METER



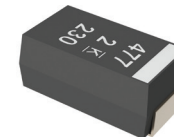
1 VARISTOR VP



2 CERAMIC X7R, X5R, COG, CBR



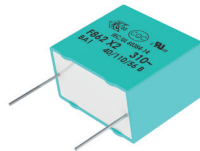
3 POLYMER A700, T520, T521



4 SMT ALUMINUM ELECTROLYTIC A750, A765, EDH, EDK, EEV, EXV



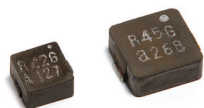
5 FILM F862



6 CURRENT SENSOR CT



7 POWER INDUCTOR MPCx



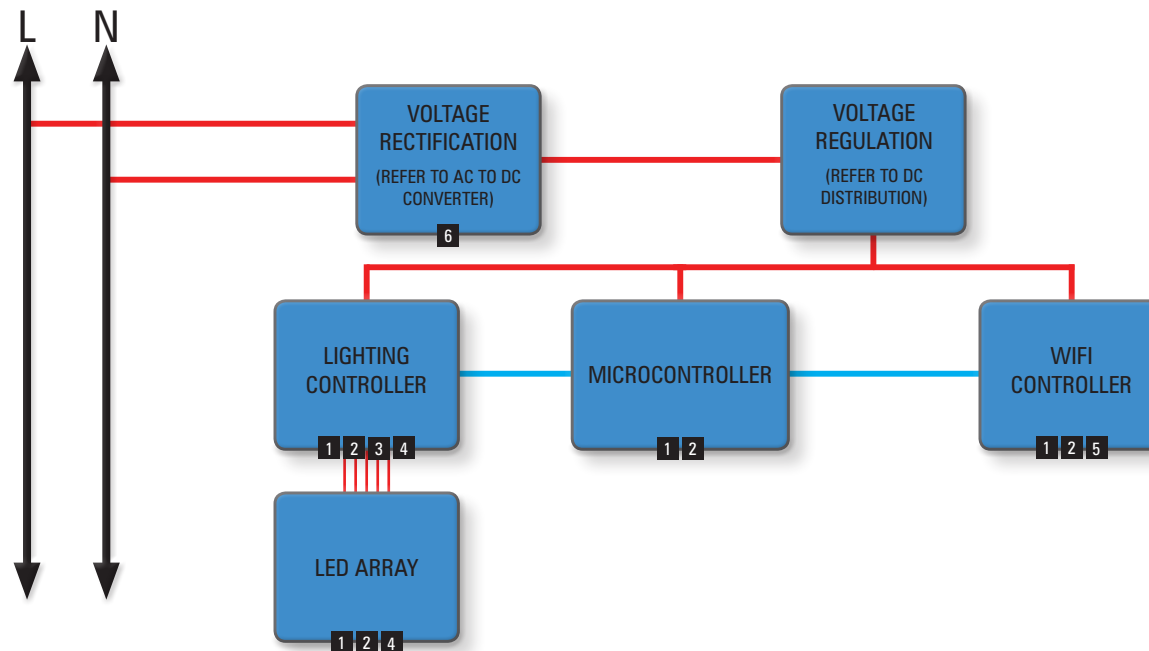
8 COMMON MODE CHOKE SS, SC, SCR



9 SUPERCAPACITOR HVZ



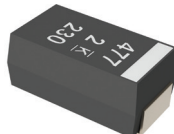
SMART LIGHTING



- 1 MLCC**
X7R, X5R, U2J, C0G, CBR



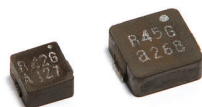
- 2 POLYMER**
A700, A720, A750, T520, T521



- 3 ELECTROLYTIC**
ESK, ESE, ESH, EDH



- 4 POWER INDUCTOR**
SBC, MPCH, MPLGC



- 5 FLEX SUPPRESSOR**
EFX, EFH



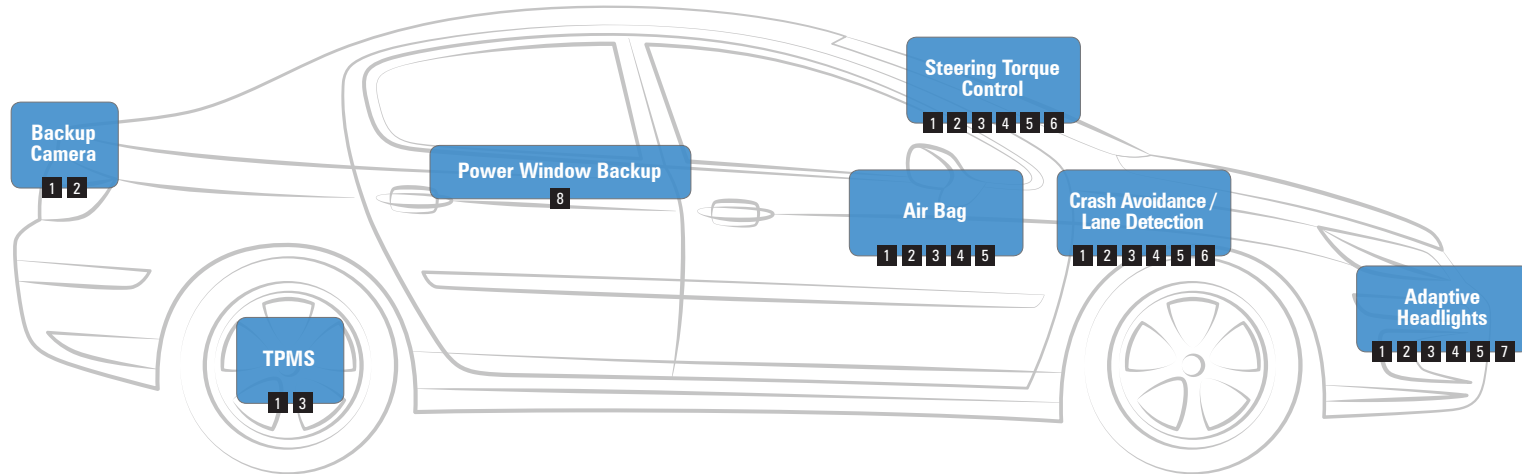
- 6 VARISTORS**
VP, VE





Automotive Applications

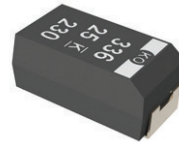
AUTOMOTIVE: SAFETY



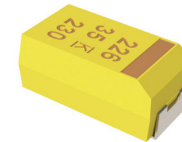
- 1 MLCC**
COG, X7R, X5R



- 2 KO-CAP**
T591, T598



- 3 TANTALUM MnO₂**
T491, T495, T498



- 4 AXIAL ALUMINUM ELECTROLYTIC**
PEG225, PEG126, PEH226



- 5 POWER INDUCTOR**
DPCV



- 6 TOROIDAL COIL**
HHBC, PHBC



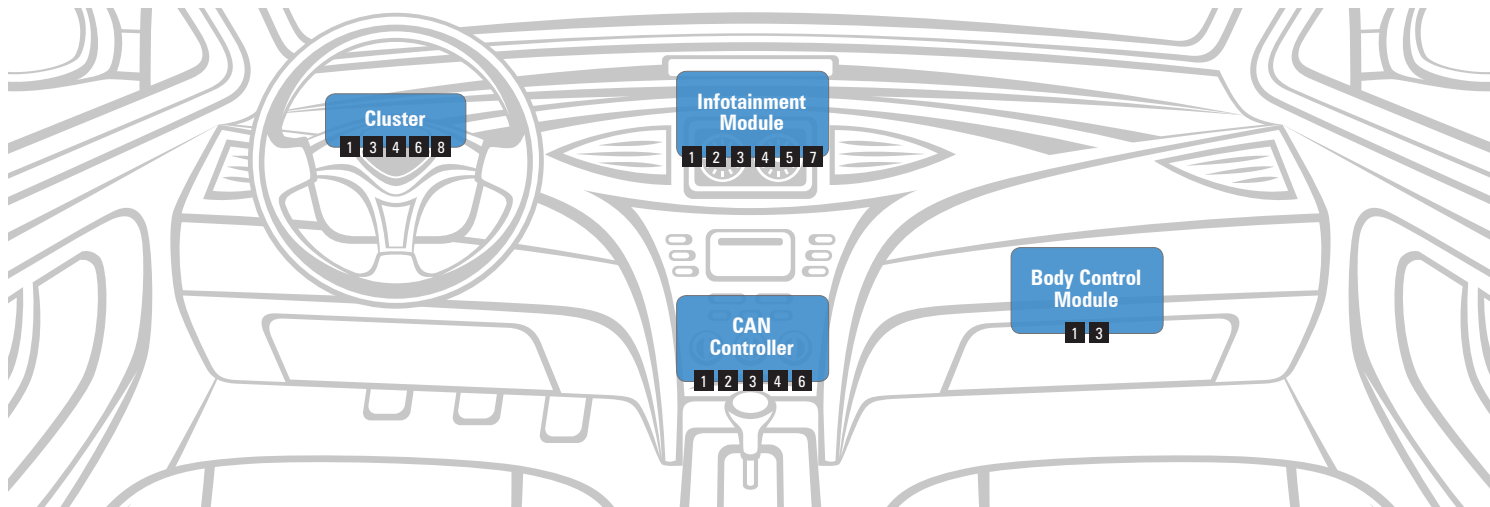
- 7 FILM CAPACITOR**
F862, SMC, SPC



- 8 SUPERCAPACITOR**
FE, FG



AUTOMOTIVE: INFOTAINMENT/CONTROL



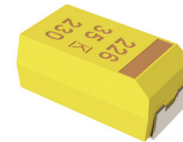
- 1 MLCC**
COG, X7R, X5R



- 2 KO-CAP**
T591, T598



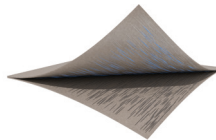
- 3 TANTALUM MnO₂**
T491, T495, T498



- 4 ALUMINUM ELECTROLYTIC**
A765, EDH, EDK, ESK, ESH



- 5 FLEX SUPPRESSOR**
EF



- 6 POWER INDUCTOR**
DPCV



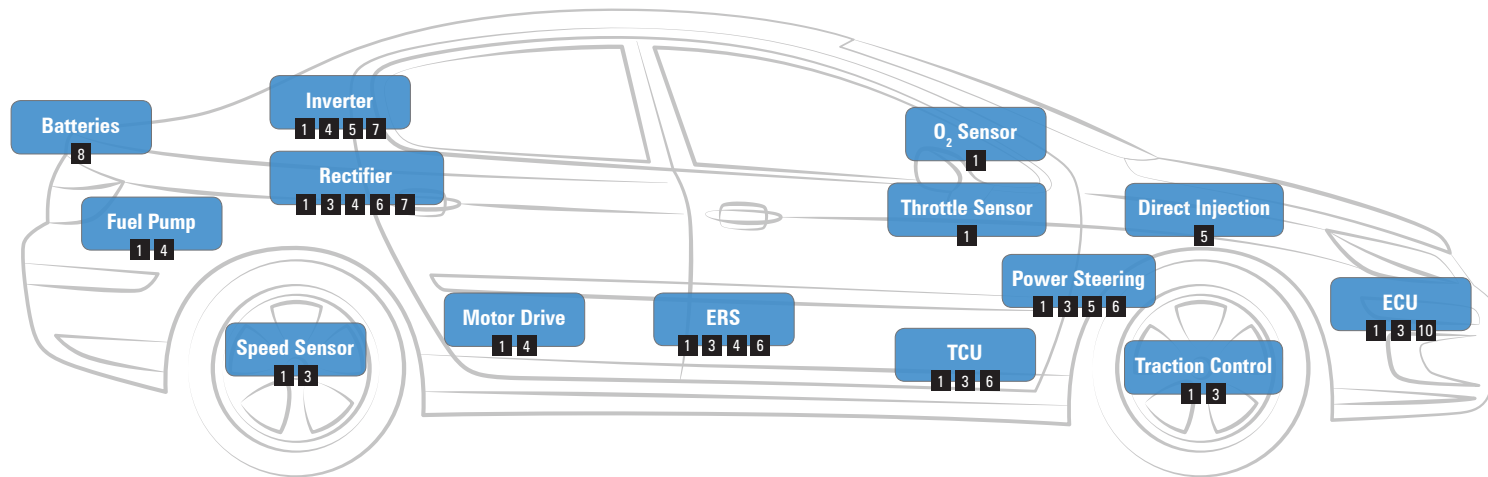
- 7 TOROIDAL COIL**
HHBC, PHBC



- 8 EMI CORE**
ESD



AUTOMOTIVE: POWERTRAIN



- 1 MLCC**
COG, X7R, X5R



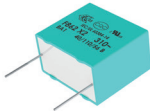
- 2 KO-CAP**
T591, T598



- 3 TANTALUM MnO₂**
T491, T495, T498



- 4 FILM CAPACITOR**
C4AE, F862, SMC, SPC



- 5 AXIAL ALUMINUM ELECTROLYTIC**
PEG225, PEG126, PEH226



- 6 POWER INDUCTOR**
DPCV



- 7 TRANSFORMER**
CUSTOM



- 8 TOROIDAL COIL**
HHBC, PHBC



- 9 AC LINE FILTER**
SS, SU, SC



- 10 EMI CORE**
ESD





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