Build your SPD 48V to 12V DC/DC converter with ST

4 subsystem blocks - 82 unique RPNs

48V–12V DC/DC CONVERTER

Power MOSFETs
STH285N10F8-2AG · STH285N10F8-6AG · STK295N10F8AG

MOSFET controllers
L98GD8 · L98GD8E

Switching converter / controller
DCP10001Y

Linear voltage regulator
LDH85

Gate protection
SM4T68AY · SM4T82CAY

Signal conditioning TSC103 · TSC1031 · TSC200 · TSC201 · TSC2010H · TSC2011H · TSC2012H · TSC202 · TSC2020 · TSC2021 · TSC2022 · TSC240

48V eFUSE AND DRIVERS

STi²Fuse gate driver
VNF1248F

High-side switches
VN5HV16AH-E · VND5HV100AJ-E

Power MOSFETs
STH285N10F8-2AG · STH285N10F8-6AG · STK295N10F8AG

12V DRIVERS

STi²Fuse gate driver
VNF1248F

High / low-side switches/drivers
HSD: VN9004AJ · VN9006AJ · VN9008AJ · VN9008CAJ
HSD with SPI: VN9D30Q100F · VN9D5D20FN VN9D7D20F · VN9E30F · VN9Q25D70F
Configurable LSD/HSD: L9301 · L99MC6GJ
LSD: L9800 · VNL5030J-E · VNL5090N3-E · VNL5300S5-E · VNLD5300-E

Hybrid / integrated STi²Fuse
VNF9D1M2Q · VNF9D1M5Q · VNF9D3Q

Gate drivers
L9026 · L9733 · L9945

Integrated H-bridge motor drivers
L99H92 · L99MH98 · VNH7100BAS · VNH9030AQ

Stepper motor drivers
L9942 · L99MD01 · L99SM81V

Protection and signal conditioning
SM30T28AY · SM4T18AY · SM4T6V7AY SM6T68AY

Power MOSFETs
STK615N4F8AG · STL059N4S8AG STL325N4F8AG

CONTROL & CONNECTIVITY

CAN transceiver
L9616

Protections
ESD protection: ESDCAN03-2BWY · HSP051-2W3Y · USBLC6-2SC6Y · USBLC6-4SC6Y
TVS: SM30T35AY · SM6T36AY

MCUs
SR5E1E3 · SR5E1E5 · SR5E1E7 SPC58NN84C3 · SPC58NN84E7

PMIC
SPSA068 · SPSB081 · SPSB100G · STPM066S · A6983I · A6986I · L99VR02XP L99VR03 · LDL40 · LDQ40 ·