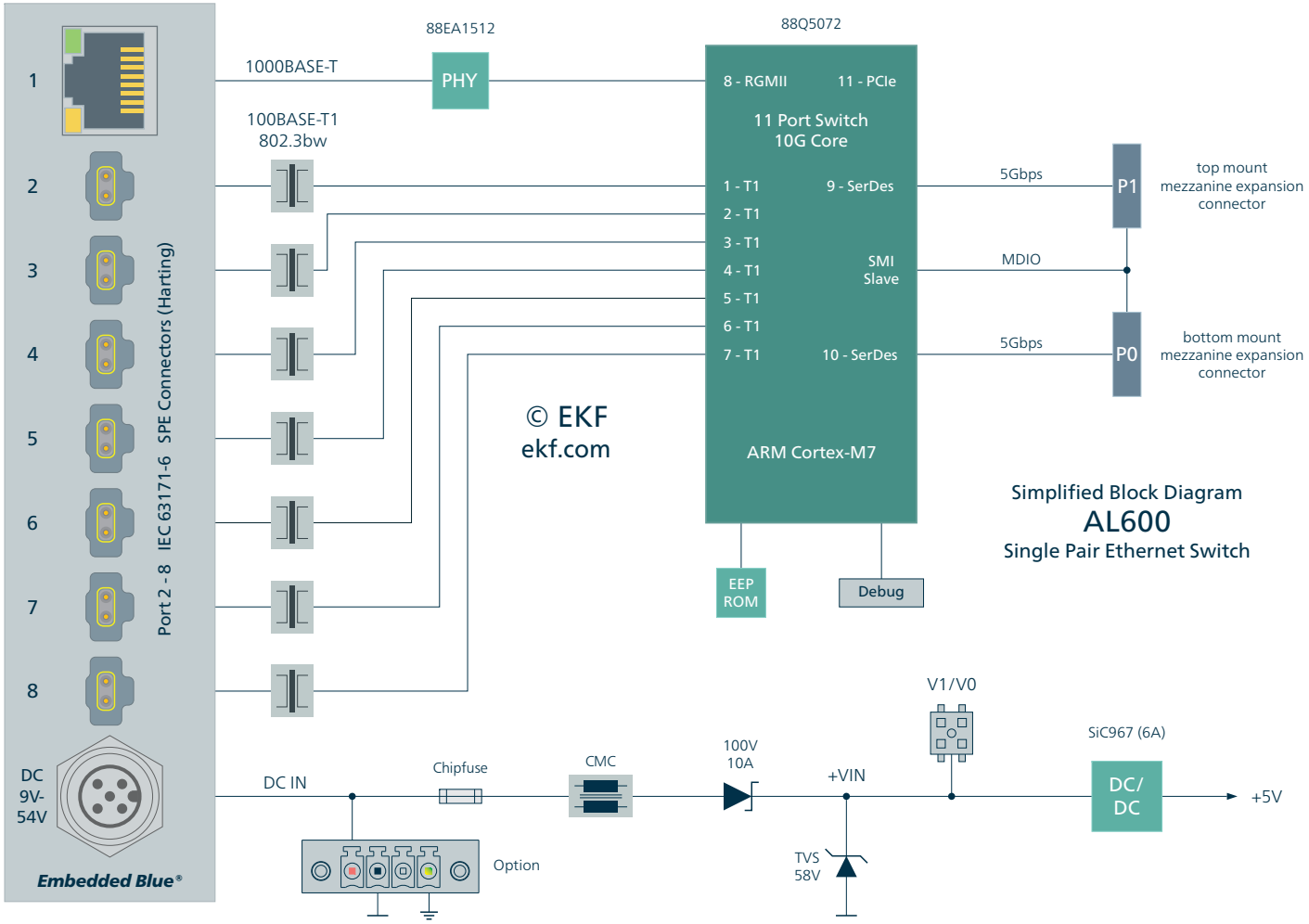
1
2
3
4
5
6
7
8
Port 2 - 8 IEC 63171-6 SPE Connectors (Harting)
DC
9V-
54V
Embedded Blue®
1000BASE-T
88EA1512
PHY
100BASE-T1
802.3bw
88Q5072
8 - RGMII
11 - PCIe
11 Port Switch
10G Core
1 - T1
2 - T1
3 - T1
4 - T1
5 - T1
6 - T1
7 - T1
9 - SerDes
SMI
Slave
10 - SerDes
ARM Cortex-M7
EEP
ROM
Debug
5Gbps
MDIO
5Gbps
P1
P0
top mount
mezzanine expansion
connector
bottom mount
mezzanine expansion
connector
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Simplified Block Diagram
AL600
Single Pair Ethernet Switch
DC IN
Chipfuse
CMC
100V
10A
+VIN
V1/V0
SiC967 (6A)
DC/
DC
+5V
Option
TVS
58V