



**MICROCHIP**

**SAMA7G54-EK**  
EVALUATION KIT rev. 5

**EV21H18A**



**mikroBUS**

AN  
RST  
INT  
CS  
SCK  
MISO  
MOSI  
+3.3V  
GND

PWM  
RX  
TX  
SCL  
SDA  
+5V  
GND

DN0  
NS+  
SDS  
TCS  
XL  
XR  
LN1  
WMd

DN9  
NE+E  
ISOW  
OSIH  
SCK  
SC  
TSR  
NV

**mikroBUS**

4 LAYERS  
R212  
R213  
R214  
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R300

USB A  
USB B  
CAN  
CAN0H  
CAN0L  
CAN1H  
CAN1L

SD CARD

Wi-Fi/BLE

100Mbps Ethernet

1Gbps Ethernet

MIPI CS

PIOB

DEBUG  
VDD  
VDD\_3V3  
VDDCORE  
VDDCPU  
VDDDDR  
VDDIO  
VDDIOV  
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