



mikro BUS

mikro BUS

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AN	PWM
RST	INT
CS	RX
SCK	TX
MISO	SCL
MOSI	SDA
+3.3V	+5V
GND	GND

AN	PWM
RST	INT
CS	RX
SCK	TX
MISO	SCL
MOSI	SDA
+3.3V	+5V
GND	GND

AN	PWM
RST	INT
CS	RX
SCK	TX
MISO	SCL
MOSI	SDA
+3.3V	+5V
GND	GND

MICROCHIP



ETHERCAT

U4

SAMA5D2-ICP rev.2  
INDUSTRIAL CONNECTIVITY PLATFORM

WIFI/BLE

USB

PD31  
PC25  
PC30  
PC30  
PIOB06  
PIOB05  
PIOB04  
PIOB02

USER\_PB1 SW4  
DIS\_BOOT SW2  
USER\_PB2 SW5

MILC activity LD8  
GPIO18  
GPIO19  
GPIO20  
GPIO0  
GPIO21  
3V3

Component labels: J11 Ethernet port 1, J12 Ethernet port 2, J10 Gigabit Ethernet, J14 port-B, J13 port-A, J16 JLINK, J15, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35, J36, J37, J38, J39, J40, J41, J42, J43, J44, J45, J46, J47, J48, J49, J50, J51, J52, J53, J54, J55, J56, J57, J58, J59, J60, J61, J62, J63, J64, J65, J66, J67, J68, J69, J70, J71, J72, J73, J74, J75, J76, J77, J78, J79, J80, J81, J82, J83, J84, J85, J86, J87, J88, J89, J90, J91, J92, J93, J94, J95, J96, J97, J98, J99, J100, J101, J102, J103, J104, J105, J106, J107, J108, J109, J110, J111, J112, J113, J114, J115, J116, J117, J118, J119, J120, J121, J122, J123, J124, J125, J126, J127, J128, J129, J130, J131, J132, J133, J134, J135, J136, J137, J138, J139, J140, J141, J142, J143, J144, J145, J146, J147, J148, J149, J150, J151, J152, J153, J154, J155, J156, J157, J158, J159, J160, J161, J162, J163, J164, J165, J166, J167, J168, J169, J170, J171, J172, J173, J174, J175, J176, J177, 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