

Control unit CCU16plus

Pin assignment



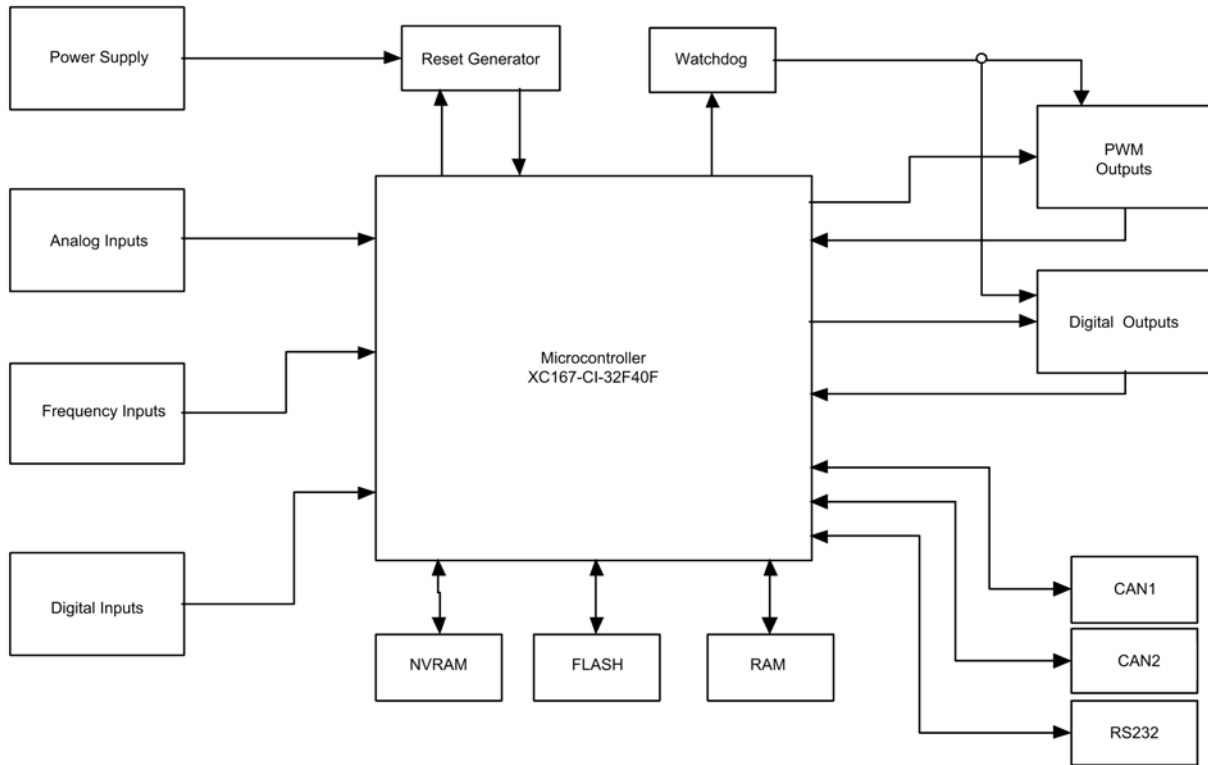
General description:

The control device CCU16plus has 23 inputs, 26 power outputs and 2 CAN buses. Its high-performance 16 bit microcontroller and 1 MByte external RAM and FLASH memory enable it even to assume complex control und regulatory tasks. The user can prepare his application using C libraries or SoftPLC programs (CoDeSys). Moreover, C libraries are available to him for activating inputs and outputs.

Signal type	Brief description	Pin- PIN
D-Out	DO17	1
PWM-Out	PWM1 - 8	2 - 9
D-Out	DO1 - DO18	10 - 24
GND	GNDL	25
Out	U5V	26
DIO	CAN1L	27
DIO	CAN2L	28
A-In	AI1 - AI8	29 -36
Frq-In	Frq1- Frq5	37 - 41
IO	SEC1	42
IO	SEC2	43
D-Out	DO15 - 16	44 - 45
Power	UBL	46
Power	UBL	47
GND	GNDL	48
Power	UZ	49
D-Out	Last	50
DIO	CAN1H	51
DIO	CAN2H	52
D-In	RxD	53
D-Out	TxD	54
Power	UDURATION	55
GND	GND A	56
GND	GND A	57
D-In	NotIn	58
D-In	DI1 - D10	59 - 68
Power	UBL	69
Power	UBL	70

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Block circuit diagram



General data	Value	Unit	Specifications
Inputs	23		8 analogue / 10 digital / 5 frequency
Outputs	18		Digital
Outputs	8		PWM
Pin	70	pin	SAAB / Tyco
Protection category			IP65
Processor	16	bit	Infineon SAK-XC167CS
Memory	256	KByte	Internal flash
Memory	1,024	KByte	External flash
Memory	32	KByte	NOVRAM
Memory	1,036	KByte	RAM
CAN	2		High speed (max. 1 Mbit/s) according to ISO 11898
Standards and guidelines			CN050215; ISO 11783; SAE J1939
Reliability	10,000	hours	With a 60% factor of equivalence