航芯ACM32系列MCU选型表V1.2　　2021/12/21

产品系列	产品型号	Voltage (V)	Max Speed (MHz)	SRAM (KB)	eFlash (KB)	Timer	GPIO	Connectivity					ADC 通道数	DAC	CAN	USB FS	RTC	比较器	运放	AES256/TRNG/CRC32	TK	LCD	Package	封装尺寸
								UART	I2C	SPI	LPUART	I2S												
ACM32F0系列	ACM32F030E8P7	1.7~3.6	64	8	64	7	23	3	2	2	1	–	10	–	1	–	–	2	–	√	–		TSSOP28	9.7*4.4
	ACM32F030K8U7	1.7~3.6	64	8	64	7	26	3	2	2	1	–	10	–	1	–	–	2	1	√	–		QFN32	4*4
	ACM32F030K8T7	1.7~3.6	64	8	64	7	26	3	2	2	1	–	10	–	1	–	–	2	1	√	–		LQFP32	7*7
	ACM32F030C8T7	1.7~3.6	64	16	64	7	40	3	2	2	1	–	11	–	1	–	√	2	3	√	12	4*24	LQFP48	7*7
	ACM32F030R8T7	1.7~3.6	64	16	64	7	56	3	2	2	1	–	11	–	1	–	√	2	3	√	16	4*40/6*38/8*36	LQFP64	10*10
	ACM32F070KBU7	1.7~3.6	64	32	128	7	26	3	2	2	1	–	10	–	1	–	–	2	1	√	–		QFN32	4*4
	ACM32F070KBT7	1.7~3.6	64	32	128	7	26	3	2	2	1	–	10	–	1	–	–	2	1	√	–		LQFP32	7*7
	ACM32F070CBT7	1.7~3.6	64	32	128	7	40	3	2	2	1	–	11	–	1	–	√	2	3	√	12	4*24	LQFP48	7*7
	ACM32F070RBT7S	1.7~3.6	64	32	128	7	56	3	2	2	1	–	19	–	1	–	√	2	3	√	16	4*40/6*38/8*36	LQFP64	7*7
	ACM32F070RBT7	1.7~3.6	64	32	128	7	56	3	2	2	1	–	19	–	1	–	√	2	3	√	16	4*40/6*38/8*36	LQFP64	10*10
ACM32F3系列	ACM32F303KBU7	1.7~3.6	120	32	128	10	26	4	2	2	1	1	10	–	2	1	–	2	–	√	–		QFN32	4*4
	ACM32F303CBT7	1.7~3.6	120	32	128	10	38	4	2	3	1	1	10	2	2	1	√	2	–	√	–		LQFP48	7*7
	ACM32F303RBT7	1.7~3.6	120	32	128	10	52	4	2	4	1	1	16	2	2	1	√	2	–	√	–		LQFP64	10*10
	ACM32F303KCU7	1.7~3.6	120	64	256	10	26	4	2	2	1	1	10	–	2	1	–	2	–	√	–		QFN32	4*4
	ACM32F303CCT7	1.7~3.6	120	64	256	10	38	4	2	3	1	1	10	2	2	1	√	2	–	√	–		LQFP48	7*7
	ACM32F303RCT7	1.7~3.6	120	64	256	10	52	4	2	4	1	1	16	2	2	1	√	2	–	√	–		LQFP64	10*10
ACM32F4系列	ACM32F403KCU7	1.7~3.6	180	96	256	10	26	4	2	2	1	1	10	–	2	1	–	2	3	√	–		QFN32	4*4
	ACM32F403CCT7	1.7~3.6	180	96	256	10	38	4	2	3	1	1	10	2	2	1	√	2	3	√	–		LQFP48	7*7
	ACM32F403RCT7	1.7~3.6	180	96	256	10	52	4	2	4	1	1	16	2	2	1	√	2	3	√	–		LQFP64	10*10
	ACM32F403VCT7	1.7~3.6	180	96	256	10	84	4	2	4	1	1	16	2	2	1	√	2	3	√	–		LQFP100	14*14
	ACM32F403KEU7	1.7~3.6	180	192	512	10	26	4	2	3	1	1	10	–	2	1	–	2	3	√	–		QFN32	4*4
	ACM32F403CET7	1.7~3.6	180	192	512	10	38	4	2	3	1	1	10	2	2	1	√	2	3	√	–		LQFP48	7*7
	ACM32F403RET7	1.7~3.6	180	192	512	10	52	4	2	4	1	1	16	2	2	1	√	2	3	√	–		LQFP64	10*10
	ACM32F403RET7S	1.7~3.6	180	192	512	10	52	4	2	4	1	1	16	2	2	1	√	2	3	√	–		LQFP64	7*7
	ACM32F403VET7	1.7~3.6	180	192	512	10	84	4	2	4	1	1	16	2	2	1	√	2	3	√	–		LQFP100	14*14
ACM32FP0系列	ACM32FP001RBT7	1.7~3.6	64	32	128	7	56	3	2	2	1	–	19	–	–	–	√	–	–	√	16		QFN64	8*8
ACM32FP4系列	ACM32FP401KEU7	1.7~3.6	180	192	512	10	27	4	2	2	1	1	9	–	–	1	–	–	–	√	–		QFN32	4*4
	ACM32FP401KKU6	1.7~3.6	180	192	2560	10	27	4	2	2	1	1	9	–	–	1	–	–	–	√	–		QFN32	4*4
	ACM32FP401CKU6	1.7~3.6	180	192	2560	10	41	4	2	3	1	1	11	2	–	1	√	–	–	√	–		QFN48	5*5
	ACM32FP401REU7	1.7~3.6	180	192	512	10	57	4	2	4	1	1	16	2	–	1	√	–	–	√	–		QFN64	8*8
	ACM32FP401RKU6	1.7~3.6	180	192	2560	10	57	4	2	3	1	1	16	2	–	–	√	–	–	√	–		QFN64	8*8
	ACM32FP401TEU7	1.7~3.6	180	192	512	10	80	4	2	4	1	1	16	2	–	1	√	–	–	√	–		QFN88	9*9