

PT32S038 Series

SELECTION GUIDE



Part Number	Memory		Core	CPU Frequency	Operating Voltage	GPIO		DMA	Timer & Counter					Communication Interface				Clock					Analog					Security	Algorithm	Display	Operating Temperature	Package Information			
	Flash (K)	RAM (K)		MHz	VDD (V)	I/O	Adv		Gen	Base	Low Power	WDG	RTC	UART	I2C	SPI	CAN	HSE (MHz)	LSE (KHz)	HSI (MHz)	LSI (KHz)	PLL (mult)	ADC 12-bit	COMP	OPA	DAC 7-bit	PVD	Beep		CRC	LCD	°C	Package Types	Pin Pitch	Pack- ing
PT32S038K6U6*	32	8	M0	184	1.8-5.5	26	6	1	4	2	1	1	√	5	2	2	1	4-25	32.768	32	32	32	15 ext +2 int	3	2	1	√	√	√	MULT DIV	2+17 4+15 6+13 8+11	-40~85	QFN32 (5+5)	0.5mm	Tray
PT32S038K8U6	64	16	M0	184	1.8-5.5	26	6	1	4	2	1	1	√	5	2	2	1	4-25	32.768	32	32	32	15 ext +2 int	3	2	1	√	√	√	MULT DIV	2+17 4+15 6+13 8+11	-40~85	QFN32 (5+5)	0.5mm	Tray
PT32S038K6T6*	32	8	M0	184	1.8-5.5	26	6	1	4	2	1	1	√	5	2	2	1	4-25	32.768	32	32	32	15 ext +2 int	3	2	1	√	√	√	MULT DIV	2+28 4+26 6+24 8+22	-40~85	LQFP32 (7+7)	0.8mm	Tray
PT32S038K8T6	64	16	M0	184	1.8-5.5	26	6	1	4	2	1	1	√	5	2	2	1	4-25	32.768	32	32	32	15 ext +2 int	3	2	1	√	√	√	MULT DIV	2+28 4+26 6+24 8+22	-40~85	LQFP32 (7+7)	0.8mm	Tray
PT32S038C6T6*	32	8	M0	184	1.8-5.5	38	6	1	4	2	1	1	√	6	2	2	1	4-25	32.768	32	32	32	18 ext +2 int	3	2	1	√	√	√	MULT DIV	2+28 4+26 6+24 8+22	-40~85	LQFP48 (7+7)	0.5mm	Tray
PT32S038C8T6	64	16	M0	184	1.8-5.5	38	6	1	4	2	1	1	√	6	2	2	1	4-25	32.768	32	32	32	18 ext +2 int	3	2	1	√	√	√	MULT DIV	2+28 4+26 6+24 8+22	-40~85	LQFP48 (7+7)	0.5mm	Tray
PT32S038R6R6*	32	8	M0	184	1.8-5.5	52	6	1	4	2	1	1	√	6	2	2	1	4-25	32.768	32	32	32	26 ext +2 int	4	4	1	√	√	√	MULT DIV	2+42 4+40 6+38 8+36	-40~85	LQFP64 (7+7)	0.4mm	Tray
PT32S038R8R6	64	16	M0	184	1.8-5.5	52	6	1	4	2	1	1	√	6	2	2	1	4-25	32.768	32	32	32	26 ext +2 int	4	4	1	√	√	√	MULT DIV	2+42 4+40 6+38 8+36	-40~85	LQFP64 (7+7)	0.4mm	Tray
PT32S038R6T6*	32	8	M0	184	1.8-5.5	52	6	1	4	2	1	1	√	6	2	2	1	4-25	32.768	32	32	32	26 ext +2 int	4	4	1	√	√	√	MULT DIV	2+42 4+40 6+38 8+36	-40~85	LQFP64 (10+10)	0.5mm	Tray
PT32S038R8T6	64	16	M0	184	1.8-5.5	52	6	1	4	2	1	1	√	6	2	2	1	4-25	32.768	32	32	32	26 ext +2 int	4	4	1	√	√	√	MULT DIV	2+42 4+40 6+38 8+36	-40~85	LQFP64 (10+10)	0.5mm	Tray

程序运行在SRAM最高主频可达184MHz，运行在eFlash可达96MHz

* Under Development