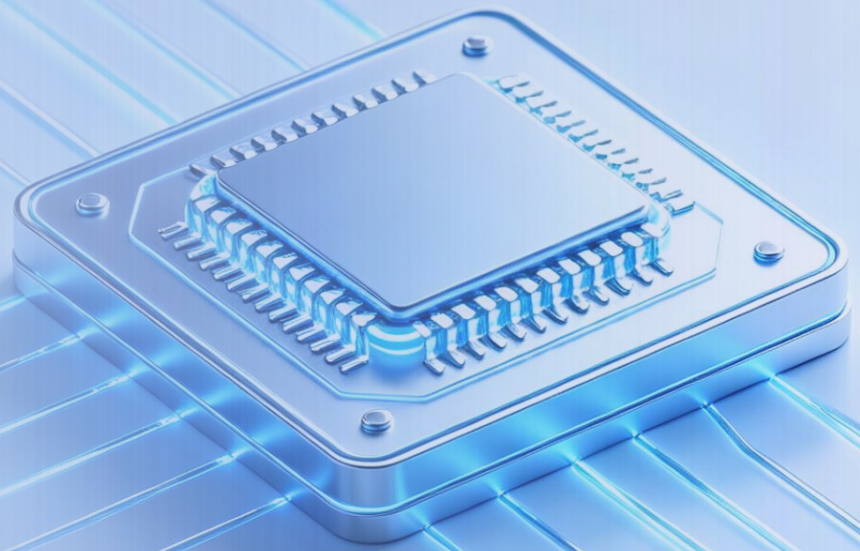
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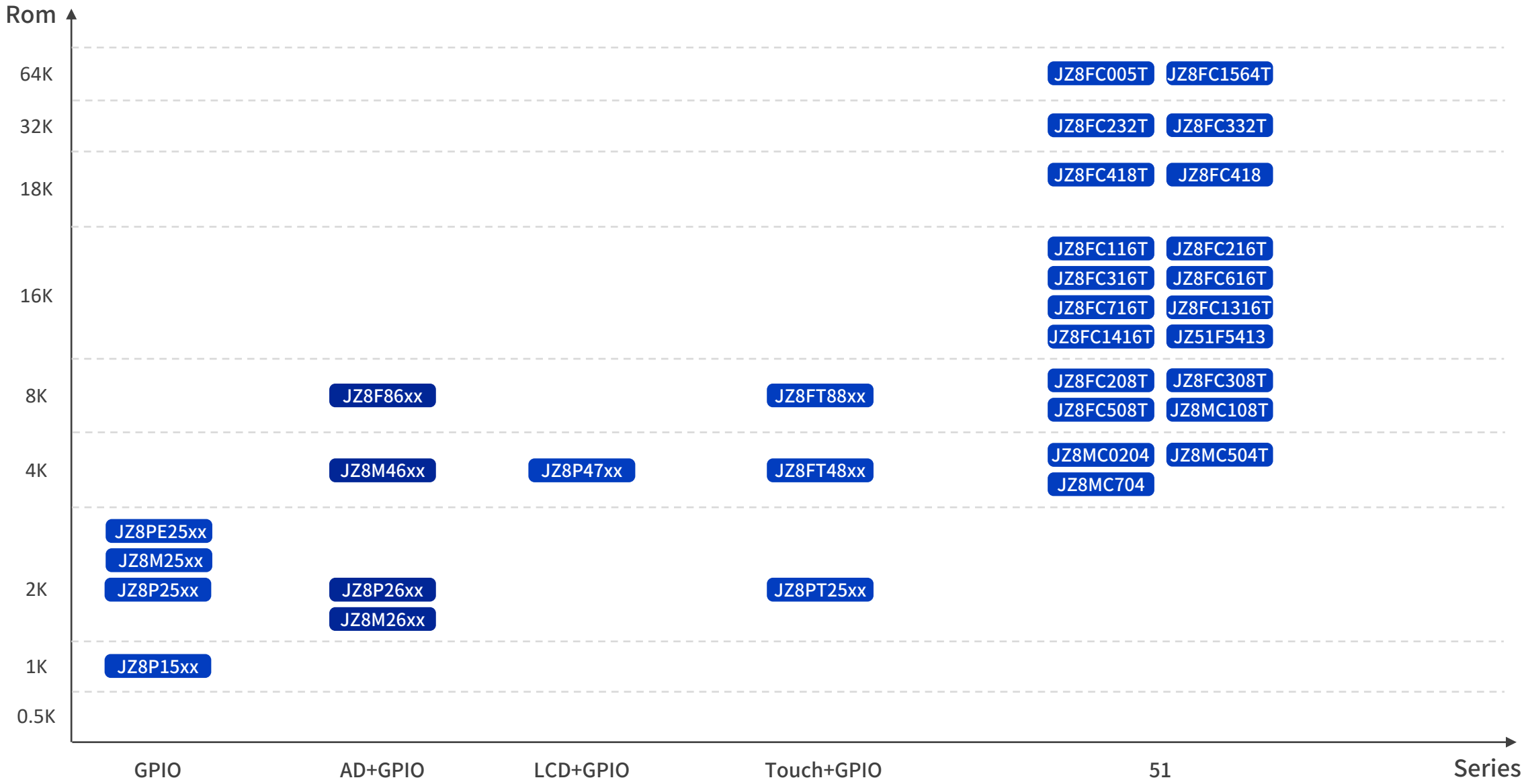
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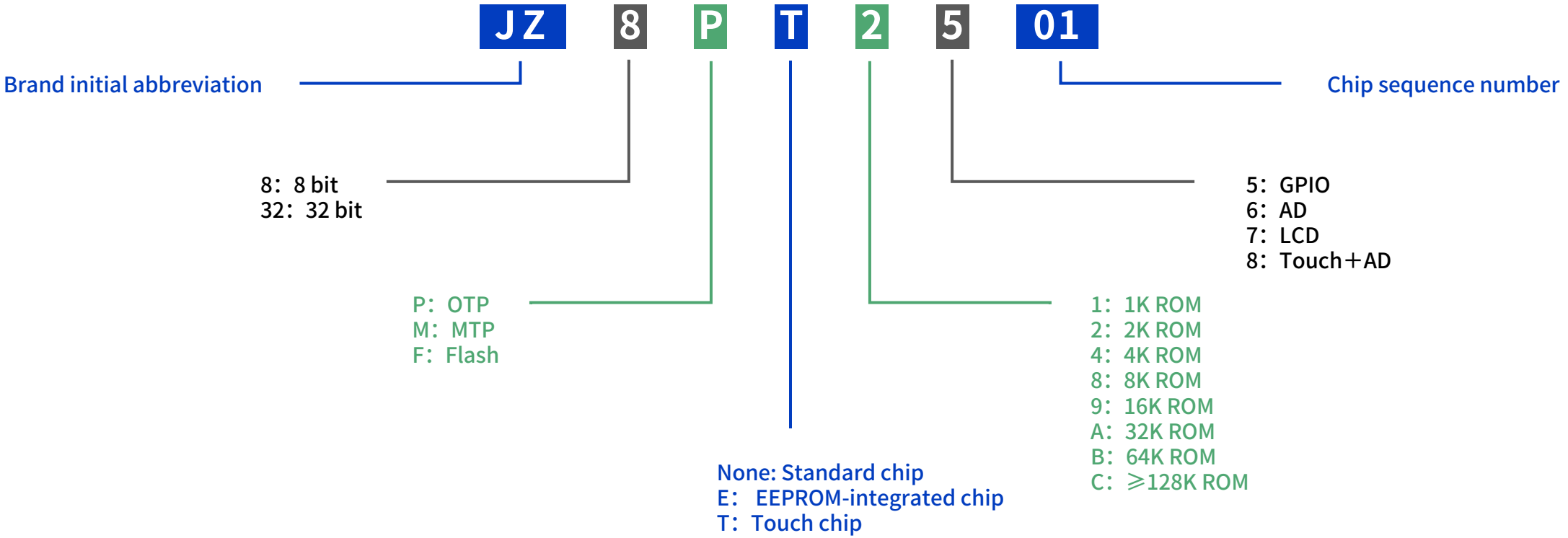
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MCU Selection Guide

Product Series



Product Model Naming Convention



GPIO Series Selection Guide

Product	Pins	I/O	ROM	RAM	EEP	Timer	PWM	LVR	LVD	IRC (MHz)	Ext.X-tal Max (MHz)	Package	Note
JZ8P1510	6/8	4/6	1K	48	-	8bit*1 12bit*1	12bit*1	Lv.6	-	0.91/1/8	-	SOP8/SOT23-6/DFN6	IRC (with frequency multiplication), reset pin can output high level, 0.5K*2 PROG
JZ8P1520	6/8	4/6	1K	48	-	8bit*2	8bit*3	Lv.8	-	0.91/1/8	16	DIP8/SOP8/SOT23-6	IRC (with frequency multiplication), reset pin can output high level
JZ8P1521	6/8/14	4/6/12	1K	48	-	8bit*2	8bit*3	Lv.8	Lv.28	0.91/1/8	16	DIP8/SOP8/DIP14/SOP14/SOT23-6	IRC, XT (capacitor-saving option), IDLE, LDO, reset pin can output high level
JZ8P1525	8	6	1K	48	-	8bit*2	8bit*3	Lv.8	-	0.91/1/8	16	SOP8/SOT23-6	Configurable 3-channel IO high-current drive (Max = 220mA)
JZ8P1530	6/8	4/6	1K	48	-	8bit*1 12bit*1	12bit*1	Lv.8	-	0.91/1/8	-	SOP8/SOT23-6	With comparator, LDO, reset pin can output high level
JZ8P1531	8	6	1K	64	-	8bit*1 10bit*1	10bit*4	Lv.8	-	0.91/1/8/16	-	SOP8/SOT23-6	PWM, CMP, programmable LED, analog input, weak drive
JZ8P2507	16	14	2K	96	-	8bit*1 12bit*5	12bit*5	Lv.7	Lv.28	0.91/1/8	16	SOP16	IRC, XT, RTC, PWM complementary output, 5 I/O pins can output 200mA high current
JZ8P2508	14/16/18/20	12/14/16/18	2K	96	-	8bit*1 12bit*5	12bit*5	Lv.7	Lv.28	0.91/1/8	16	SOP8/SOP14/SOP16/DIP18/SOP18/SOP20	IRC, XT, RTC, PWM complementary output, 5 I/O pins can output 200mA high current
JZ8P2521	8/14/16	6/12/14	2K	96	-	8bit*1 10bit*2	10bit*6	Lv.8	-	0.91/1/8	-	SOP8/SOP14/SOP16	LDO, with comparator, reset pin can output high level
JZ8PE255E	6/8	4/6	2K	80	64	8bit*2	8bit*3	Lv.8	-	0.91/1/8	16	SOP8/SOT23-6	XT,RTC
JZ8M2532	8/14	6/12	2K	128	256	8bit*1 10bit*2	12bit*6	Lv.7	-	1/4/8/16/32	16	SOP8/SOP14	XT,Capture,CMP,RGB Magic，ISP,EEPROM

AD+GPIO Series Selection Guide

Product	Pins	I/O	ROM	RAM	INT	Timer	ADC	PWM	CMP	LVR	LVD	IRC (MHz)	Ext.X-tal Max (MHz)	Package	Note
JZ8P2600	6/8	4/6	2K	64	5	8bit*2	12bit*5	8bit*3	-	Lv.8	-	0.91/8	-	DIP8/SOP8/SOT23-6/SOT23-8	Reset pin outputs high level, 1K*2 PROG
JZ8P2610	8/10	6/8	2K	128	6	8bit*1 12bit*1	12bit*8	12bit*3	-	Lv.6	-	1/8	-	DIP8/SOP8/DFN10/MSOP10	Capture, high drive, weak drive, complementary PWM, 1K2 PROG
JZ8P2616	8/10/14/16	6/8/12/14	2K	176	9	8bit*1 10bit*1	12bit*15	10bit*7	1	Lv.8	-	1/4/8/16/32	16	SOP8/SOP14/SOP16/QFN16/MSOP10	XT, built-in AD reference, built-in 14 pull-ups/downs, 2 RGB drivers, complementary/inverted PWM, port capture
JZ8M2632	8/10/14/16	6/8/12/14	2K	176	11	8bit*1 12bit*2	12bit*14	12bit*6	1	Lv.8	-	1/4/8/16	-	SOP8/SOP14/SOP16/QFN16/MSOP10	Supports Type-C upgrade, in-circuit programming, 6x7 LED matrix, 2 RGB PWM cascade controllers
JZ8M4600	8/16/20	6/14/18	4K	256	15	8bit*1 12bit*2 16bit*1	12bit*19	12bit*7	1	Lv.8	-	1/4/8/16/32	-	SOP8/SOP16/SOP20/QFN16/QFN20/ TSSOP20	DAC, in-circuit programming, UART/SPI/IIC three-in-one, 8x8 LED driver
JZ8M4601	8/16/20/24	6/14/18/22	4K	256	15	16bit*2	12bit*17	10bit*6	1	Lv.8	-	1/6/16/32	16	SOP8/SOP16/QFN16/QFN20/QFN24/ TSSOP20/TSSOP24/SSOP24	UART, capture, RTC, XT, PWM dead zone, 1/2 Bias LCD, PWM trigger AD sampling
JZ8F8620	24	22	8K	336	12	8bit*1 16bit*1 12bit*2	12bit* 18	12bit*7	1	Lv.8	-	1/4/8/16/32	-	SOP8/SOP16/QFN16/QFN20/QFN24/ TSSOP20/SSOP24	UART, SPI, IIC, capture, PWM dead zone, programmable LED, LED matrix, ISP, OCD

LCD+GPIO Series Selection Guide

Product	Pins	I/O	ROM	RAM	INT	Timer	LVR	ADC	LCD	IRC (MHz)	Ext.X-tal Max (MHz)	Package	Note
JZ8P4703	44/64	25/28	4K	272	8	8bit*5	Lv.5	-	4*32	0.455/1/2/4/8/16	16	LQFP64（7*7）/LQFP44（10*10）	XT，ERIC，PLL，IR/PWM
JZ8P4704	44/64	29/32	4K	272	8	8bit*5	Lv.5	-	4*32	0.455/1/2/4/8/16	16	LQFP64（7*7）/LQFP44（10*10）	IRC，XT，ERIC，PLL，IR/PWM
JZ8P4705	44/64	30/33	4K	272	8	8bit*5	Lv.6	-	4*32	0.455/1/2/4/8/16	16	LQFP64（7*7）/LQFP44（10*10）	IRC，XT，ERIC，PLL，3*10bit PWM，Lv.22 LVD

Touch Series Selection Guide

Product	Pins	I/O	ROM	RAM	LVR	LVD	PWM	AD	Timer	EEP	CMP	Touch	IRC (MHz)	Ext.X-tal Max (MHz)	Package	Note
JZ8PT2500 JZ8PT2501	8	6	2K	80	Lv.7	-	8bit*3	-	8bit*2	-	-	4 Channel	0.91/8	-	SOP8/SOT23-6	LDO, each I/O configurable as touch pin
JZ8PT2503 JZ8PT2504	8/16	6/14	2K	128	Lv.8	-	12bit*6	-	8bit*1 12bit*2	-	1	12 Channel	1/4/8/16	-	SOP8/SOP16	2 RGB channels, PWM cascade, internal reference voltage output, capture
JZ8FT4801 JZ8FT4802	20	18	4K	256	Lv.8	-	12bit*7	12bit*18	8bit*1 16bit*1 12bit*2	256	1	8 Channel	1/4/8/16/32	16	SOP8/SOP16/TSSOP20	PWM, LDO, Touch, programmable LED, LED matrix, UART, IIC, SPI, OCD
JZ8FT8801	32	30	8K	384	Lv.8	-	12bit*7	12bit*30	8bit*1 16bit*3 12bit*2	256	3	12 Channel	1/4/8/16/32	16	SOP16/TSSOP20/ SSOP24/SSOP28/ LQFP32/QFN32	PWM brake, Touch, programmable LED, OP, DAC, capture, LED matrix, 1/2 Bias - 1/3 Bias LCD, UART, IIC, SPI, RTC, XT, temperature sensor, ISP, OCD

Product	Pins	TKC	VDD（V）	Iq	Built-in LDO	Csens	Auto Cal	Package
JZT323A	6	1	2.4-5.5	low power mode 1.8uA@3v	Yes	1-50PF	Yes	SOT23-6

51 Series Selection Guide

Product	Flash	SRam	EEPROM	EXT_ OSC	RC_ OSC	PLL	RTC_ OSC	GPIO	UART	I2C	SPI	PWM (16bit)	ADC (12bit)	Touch	MDU	OPA	LCD	LED	VDC	Package
JZ8FC418	18K	1K	√	-	16	-	-/√	26/46	1	√	-	2/3	6/8	-	-	-	4*20 4*32	-	1.8 ~ 5.5	SOP28/SSOP28/ LQFP48
JZ8FC005T	64K	4K	√	√	24	-	-	14/18	2	√	-/1	6	9/12	13/17	√	√	-	-	2.0 ~ 5.5	SOP16/SOP20/TSSOP20/ QFN20
JZ8FC116T	16K	256	√	-	16	-	-	6	1	√	-	3	6	5	-	-	-	-	2.2 ~ 5.5	SOP8
JZ8FC208T	8K	2K	√	√	2-4	√	√	46/62	3	√	1	5/8	6/8	15/24	√	√	8*32 4*36	8*32 4*36	1.8 ~ 5.5	LQFP48/64
JZ8FC216T	16K	2K	√	√	2-4	√	√	46/62	3	√	1	5/8	6/8	15/24	√	√	8*32 4*36	8*32 4*36	1.8 ~ 5.5	LQFP48/64
JZ8FC232T	32K	2K	√	√	2-4	√	√	46/62	3	√	1	5/8	6/8	15/24	√	√	8*32 4*36	8*32 4*36	1.8 ~ 5.5	LQFP48/64
JZ8FC308T	8K	2K	√	-	2-4	√	-/√	6/14/18/26	1/2	√	-	2/6	3/5/7/8	5/11/15/ 20	-	-	4*9 5*8	4*9 5*8	1.8 ~ 5.5	SOP8/16/20/28, TSSOP20/28
JZ8FC316T	16K	2K	√	-	2-4	√	-	18	2	√	-	5/6	7	15	-	-	4*4	4*4	1.8 ~ 5.5	SOP20,TSSOP20, QFN20
JZ8FC332T	32K	2K	√	-	2-4	√	-/√	18/26	2	√	-	6	7/8	15/20	-	-	4*9 5*8	4*9 5*8	1.8 ~ 5.5	SOP20/28, TSSOP20/28
JZ8FC418T	18K	1K	√	-	16	-	-/√	26/46	1	√	-	2/3	6/8	8/16	-	-	4*32	-	1.8 ~ 5.5	SOP28,SSOP28, LQFP48
JZ8FC508T	8K	512	√	-	16	-	-	6/8/14	1	√	-	3/5/6	-	5/7/13	√	√	-	-	1.8 ~ 5.5	SOP8/16,DFN8, MSOP10
JZ8FC616T	16K	1.28K	√	-	1	√	√	14/18/26	2	1	1	6	14/18/26	14/18/26	-	-	-	8*9	2.0 ~ 5.5	SOP16/SOP20/SOP28 /TSSOP28

51 Series Selection Guide

Product	Flash	SRam	EEPROM	EXT_ OSC	RC_ OSC	PLL	RTC_ OSC	GPIO	UART	I2C	SPI	PWM (16bit)	ADC (12bit)	Touch	MDU	OPA	LCD	LED	VDC	Package
JZ8FC716T	16K	1K	√	-	16	-	-	14/18	1	√	-	6	7/10	6/10	-	-	-	-	2.2 ~ 5.5	SOP16/TSSOP20
JZ8FC1316T	16K	768	√	-	16	-	√	14	2	1	1	4	14	14	-	-	-	-	2.3 ~ 5.5	SOP16
JZ8FC1416T	16K	1K	√	-	16	-	√	18/26	2	1	-/1	4	18/26	18/26	-	-	-	-	2.3 ~ 5.5	SOP20/SOP28/ SSOP28
JZ8FC1564T	64K	2K	√	-	12	-	√	26/30/42/46	3	1	1	6	26/30/42/ 46	26/30/42/ 46	-	-	8*32(Max) 4*36(Max)	8*32(Max)	2.2 ~ 5.5	LQFP32/LQFP44/ LQFP48/SOP28
JZ8MC0204	4K	512	√	-	8	-	√	6/12/14/18	1	1	-	3	6/12/14/1 8	-	-	-	-	-	2.2 ~ 5.5	SOP8/SOP14/SOP16 /SOP20/TSSOP20/ QFN20
JZ8MC504T	4K	384	√	-	12	-	-	6	1	1	-	4	-	6	-	-	-	-	2.0 ~ 5.5	SOP8
JZ8MC704	4K	512	√	-	8	-	√	14	1	1	-	3	14	-	-	-	-	-	2.2 ~ 5.5	SOP16
JZ8MC108T	8K	768	√	-	8	-	√	14/18/26	2	1	1	4	14/18/ 26	14/18/ 26	-	-	-	-	2.2 ~ 5.5	SOP16/SOP20/ TSSOP20/SOP28/ SSOP28
* JZ51F5413	16K	768	√	√	16	-	√	26	2	1	1	10	16	-	1	-	4*16	8*8	1.8 ~ 5.5	SOP24/SSOP24/ SOP28/SSOP28/ QFN24

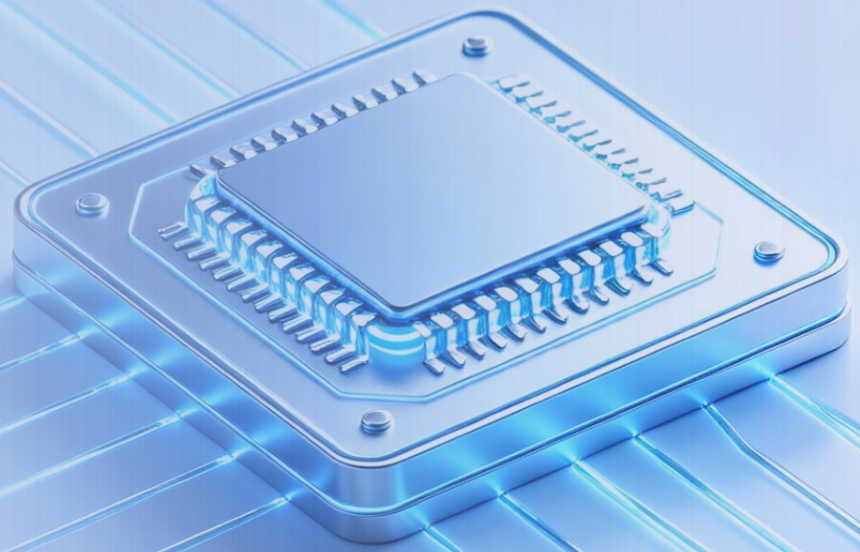
* Indicates product coming soon

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