

存储器

串行EEPROM

P.9

存储器

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串行EEPROM

通用EEPROM

- I²C BUS EEPROM (2-Wire) P.9
- SPI BUS EEPROM P.10
- Microwire BUS EEPROM (3-Wire) P.10
- WL-CSP EEPROM P.10
- Plug & Play用EEPROM P.11

车载用EEPROM

- I²C BUS EEPROM (2-Wire) P.11
- Microwire BUS EEPROM (3-Wire) P.11
- SPI BUS EEPROM P.12

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通用EEPROM

I ² C BUS EEPROM (2-Wire) BR24Gxxx-3系列(SCL频率=400kHz)																	
Part No.	Package and Suffix							Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	SCL Frequency (Hz)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)
	SOP8	SOP-J8	SSOP-B8	TSSOP-B8	MSOP8	TSSOP-B8J	VSON008X2030				Operating (mA)	Standby (µA)					
BR24G01	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	1K	128×8	1.6 to 5.5	2	2	5	400k	-40 to +85	10 ⁶	40
BR24G02	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	2K	256×8	1.6 to 5.5	2	2	5	400k			
BR24G04	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	4K	512×8	1.6 to 5.5	2	2	5	400k			
BR24G08	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	8K	1K×8	1.6 to 5.5	2	2	5	400k			
BR24G16	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	16K	2K×8	1.6 to 5.5	2	2	5	400k			
BR24G32	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	32K	4K×8	1.6 to 5.5	2	2	5	400k			
BR24G64	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	64K	8K×8	1.6 to 5.5	2	2	5	400k			
BR24G128	F-3	FJ-3	FV-3	FVT-3	FVM-3	FVJ-3	NUX-3	128K	16K×8	1.6 to 5.5	2.5	2	5	400k			
BR24G256	F-3	FJ-3	FV-3	FVT-3	-	-	-	256K	32K×8	1.6 to 5.5	2.5	2	5	400k			
I ² C BUS EEPROM (2-Wire) BR24Gxxx-3A系列(SCL频率=1MHz)																	
Part No.	Package and Suffix							Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	SCL Frequency (Hz)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)
	SOP8	SOP-J8	SSOP-B8	TSSOP-B8	MSOP8	TSSOP-B8J	VSON008X2030				Operating (mA)	Standby (µA)					
BR24G01	F-3A	FJ-3A	-	FVT-3A	FVM-3A	-	NUX-3A	1K	128×8	1.7 to 5.5	2	2	5	1M	-40 to +85	10 ⁶	40
BR24G02	F-3A	FJ-3A	-	FVT-3A	FVM-3A	FVJ-3A	NUX-3A	2K	256×8	1.7 to 5.5	2	2	5	1M			
BR24G04	F-3A	FJ-3A	-	FVT-3A	FVM-3A	FVJ-3A	NUX-3A	4K	512×8	1.7 to 5.5	2	2	5	1M			
BR24G08	F-3A	FJ-3A	-	FVT-3A	FVM-3A	FVJ-3A	NUX-3A	8K	1K×8	1.7 to 5.5	2	2	5	1M			
BR24G16	F-3A	FJ-3A	-	FVT-3A	FVM-3A	FVJ-3A	NUX-3A	16K	2K×8	1.7 to 5.5	2	2	5	1M			
BR24G512	F-3A	FJ-3A	-	FVT-3A	-	-	-	512K	64K×8	1.7 to 5.5	4.5	3	5	1M			
I ² C BUS EEPROM (2-Wire) BR24Gxxx-5系列(SCL频率=1MHz、改写次数400万次)																	
Part No.	Package and Suffix							Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	SCL Frequency (Hz)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)
	SOP8	SOP-J8	SSOP-B8	TSSOP-B8	MSOP8	TSSOP-B8J	VSON008X2030				Operating (mA)	Standby (µA)					
BR24G32	F-5	FJ-5	-	FVT-5	FVM-5	-	NUX-5	32K	4K×8	1.6 to 5.5	2	2.5	5	1M	-40 to +85	4×10 ⁶	200
BR24G64	F-5	FJ-5	-	FVT-5	FVM-5	-	NUX-5	64K	8K×8	1.6 to 5.5	2	2.5	5	1M			
BR24G128	F-5	FJ-5	-	FVT-5	FVM-5	-	NUX-5	128K	16K×8	1.6 to 5.5	2	2.5	5	1M			
BR24G256	F-5	FJ-5	-	FVT-5	FVM-5	-	NUX-5	256K	32K×8	1.6 to 5.5	2	2.5	5	1M			
I ² C BUS EEPROM (2-Wire) BR24Gxxx-5A系列(SCL频率=1MHz、改写次数400万次)																	
Part No.	Package and Suffix							Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	SCL Frequency (Hz)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)
	SOP8	SOP-J8	SSOP-B8	TSSOP-B8	MSOP8	TSSOP-B8J	VSON008X2030				Operating (mA)	Standby (µA)					
BR24G512	F-5A	FJ-5A	-	FVT-5A	FVM-5A	-	-	512K	64K×8	1.6 to 5.5	3	5	3.5	1M	-40 to +85	4×10 ⁶	200
BR24G1M	F-5A	FJ-5A	-	FVT-5A	-	-	-	1M	128K×8	1.7 to 5.5	3	5	3.5	1M			

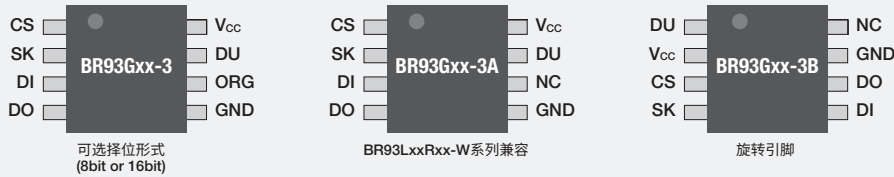
通用EEPROM

SPI BUS EEPROM BR25Gxxx-3系列														
Part No.	Package and Suffix					Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)
	SOP8	SOP-J8	TSSOP-B8	MSOP8	VSON008X2030				Operating (mA)	Standby (μA)				
BR25G320	F-3	FJ-3	FVT-3	FVM-3	NUX-3	32K	4K×8	1.6 to 5.5	8	2	5	-40 to +85	10 ⁶	100
BR25G640	F-3	FJ-3	FVT-3	FVM-3	NUX-3	64K	8K×8	1.6 to 5.5	8	2	5			
BR25G128	F-3	FJ-3	FVT-3	FVM-3	NUX-3	128K	16K×8	1.6 to 5.5	8	2	5			
BR25G256	F-3	FJ-3	FVT-3	—	—	256K	32K×8	1.6 to 5.5	8	2	5			
BR25G512	F-3	FJ-3	FVT-3	—	—	512K	64K×8	1.8 to 5.5	4	1	5			
BR25G1M	F-3	FJ-3	—	—	—	1M	128K×8	1.8 to 5.5	4	1	5			

Microwire BUS EEPROM (3-Wire) BR93Gxx-3/3A/3B系列														
Part No.	Package and Suffix					Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)
	SOP8	SOP-J8	TSSOP-B8	MSOP8	VSON008X2030				Operating (mA)	Standby (μA)				
BR93G46	F-3 ^{*/1} / F-3A ^{*/2} / F-3B ^{*/3}	FJ-3 ^{*/1} / FJ-3A ^{*/2} / FJ-3B ^{*/3}	FVT-3 ^{*/1} / FVT-3A ^{*/2} / FVT-3B ^{*/3}	FVM-3 ^{*/1} / FVM-3A ^{*/2} / FVM-3B ^{*/3}	NUX-3 ^{*/1} / NUX-3A ^{*/2}	1K	64×16 (128×8)	1.7 to 5.5	3	2	5	-40 to +85	10 ⁶	40
BR93G56	F-3 ^{*/1} / F-3A ^{*/2} / F-3B ^{*/3}	FJ-3 ^{*/1} / FJ-3A ^{*/2}	FVT-3 ^{*/1} / FVT-3A ^{*/2} / FVT-3B ^{*/3}	FVM-3 ^{*/1} / FVM-3A ^{*/2} / FVM-3B ^{*/3}	NUX-3 ^{*/1} / NUX-3A ^{*/2} / NUX-3B ^{*/3}	2K	128×16 (256×8)	1.7 to 5.5	3	2	5			
BR93G66	F-3 ^{*/1} / F-3A ^{*/2} / F-3B ^{*/3}	FJ-3 ^{*/1} / FJ-3A ^{*/2} / FJ-3B ^{*/3}	FVT-3 ^{*/1} / FVT-3A ^{*/2} / FVT-3B ^{*/3}	FVM-3 ^{*/1} / FVM-3A ^{*/2} / FVM-3B ^{*/3}	NUX-3 ^{*/1} / NUX-3A ^{*/2} / NUX-3B ^{*/3}	4K	256×16 (512×8)	1.7 to 5.5	3	2	5			
BR93G76	F-3 ^{*/1} / F-3A ^{*/2} / F-3B ^{*/3}	FJ-3 ^{*/1} / FJ-3A ^{*/2}	FVT-3 ^{*/1} / FVT-3A ^{*/2}	FVM-3 ^{*/1} / FVM-3A ^{*/2} / FVM-3B ^{*/3}	NUX-3 ^{*/1} / NUX-3A ^{*/2} / NUX-3B ^{*/3}	8K	512×16 (1K×8)	1.7 to 5.5	3	2	5			
BR93G86	F-3 ^{*/1} / F-3A ^{*/2} / F-3B ^{*/3}	FJ-3 ^{*/1} / FJ-3A ^{*/2} / FJ-3B ^{*/3}	FVT-3 ^{*/1} / FVT-3A ^{*/2}	FVM-3 ^{*/1} / FVM-3A ^{*/2} / FVM-3B ^{*/3}	NUX-3 ^{*/1} / NUX-3A ^{*/2} / NUX-3B ^{*/3}	16K	1K×16 (2K×8)	1.7 to 5.5	3	2	5			

Microwire BUS EEPROM (3-Wire) BR93Gxx-3/3A/3B系列: *1 向ORG PIN输入后, 在硬件上可选择16bit或8bit的数据格式 *2 1PIN为CS PIN *3 3PIN为CS PIN

Microwire BUS Pin Assignment



WL-CSP EEPROM															
Part No.	I/F	Density (bit)	Package					Pull-up Resistor	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Data Retention (years)
			Package Name	Size (mm)	Thickness (mm) (Max)	Ball Pitch (mm)	RESIN COATING				Operating (mA)	Standby (μA)			
BU9833GUL-W	I ² C	2K	VCSP50L1	x: 1.27 y: 1.50	0.55	0.5	✓	—	256×8	1.7 to 5.5	2	2	5	-40 to +85	40
BU9847GUL-W		4K	VCSP50L1	x: 1.95 y: 1.06	0.55	0.5	✓	—	512×8	1.7 to 5.5	2	2	5	-40 to +85	40
BU9889GUL-W		8K	VCSP50L1	x: 1.60 y: 1.00	0.55	0.5	✓	—	1K×8	1.7 to 5.5	2	2	5	-40 to +85	40
BRCB008GWZ-3		8K	UCSP30L1	x: 0.94 y: 0.94	0.33	0.4	—	—	1K×8	1.7 to 3.6	2	2	5	-40 to +85	40
BRCB016GWL-3U		16K	UCSP50L1	x: 1.10 y: 1.15	0.55	0.4	✓	—	2K×8	1.7 to 3.6	2	2	5	-40 to +85	40
BRCD016GWZ-3		16K	UCSP35L1	x: 1.30 y: 0.77	0.40	0.4	✓	—	2K×8	1.7 to 3.6	2	2	5	-40 to +85	40
BRCG016GWZ-3		16K	UCSP30L1A	x: 0.82 y: 0.82	0.33	0.4	✓	—	2K×8	1.7 to 5.5	2	2	5	-40 to +85	40
BRCF016GWZ-3		16K	UCSP30L1	x: 0.86 y: 0.84	0.35	0.4	—	—	2K×8	1.7 to 5.5	2	2	5	-40 to +85	40
BRCA016GWZ-W		16K	UCSP30L1	x: 1.30 y: 0.77	0.35	0.4	—	—	2K×8	1.7 to 3.6	2	2	5	-40 to +85	40
BRCB032GWZ-3		32K	UCSP30L1	x: 1.45 y: 0.77	0.33	0.4	—	—	4K×8	1.6 to 5.5	2	2	5	-40 to +85	40
BRCH064GWZ-3		64K	UCSP30L1A	x: 1.50 y: 1.00	0.33	0.4	✓	—	8K×8	1.6 to 5.5	2	2	5	-40 to +85	40
BRCB064GWZ-3		64K	UCSP30L1	x: 1.50 y: 1.00	0.35	0.4	—	WP	8K×8	1.6 to 5.5	3.9	2	5	-40 to +85	40
BRCE064GWZ-3		64K	UCSP25L1	x: 1.50 y: 1.00	0.30	0.4	—	—	8K×8	1.6 to 5.5	2	2	5	-40 to +85	40
BU9897GUL-W		128K	VCSP50L2	x: 2.44 y: 1.99	0.55	0.5	✓	—	16K×8	1.7 to 5.5	2.5	2	5	-40 to +85	40
BU9832GUL-W		8K	VCSP50L2	x: 2.09 y: 1.85	0.55	0.5	✓	—	1K×8	1.8 to 5.5	3	2	5	-40 to +85	40
BU9829GUL-W		16K	VCSP50L1	x: 1.74 y: 1.65	0.55	0.5	✓	—	2K×8	1.6 to 3.6	2	1	5	-30 to +85	10
BR25S128GUZ-W		128K	VCSP35L2	x: 2.00 y: 2.63	0.40	0.5	✓	—	16K×8	1.7 to 5.5	2*	2	5	-40 to +85	40
BU9891GUL-W		MW	4K	VCSP50L1	x: 1.60 y: 1.00	0.55	0.5	✓	—	256×16	1.7 to 5.5	3	2	5	-40 to +85

WL-CSP EEPROM: *V_{CC}=2.5V

Plug & Play用EEPROM 用于存储器模块									
Part No.	Package and Suffix		Bit Format (word×bit)	Supply Voltage (V)	Clock Frequency (kHz)	Write Cycle Time (ms)	Endurance (times)	Data Retention (years)	Write Protect
	TSSOP-B8	VSON008X2030							
BR34L02	FVT-W	—	256×8	1.7 to 5.5	100 ¹ /400 ²	5	10 ⁶	40	Onetime ROM write protect
BR34E02	FVT-3/FVT-W	NUX-3/NUX-W	256×8	1.7 to 5.5/ 1.7 to 3.6	400	5	10 ⁶	40	Settable write protect Onetime ROM write protect

Plug & Play用EEPROM 用于存储器模块: *1 V_{CC}=1.7~5.5V *2 V_{CC}=2.5~5.5V

Plug & Play用EEPROM 用于显示器												
Part No.	Package and Suffix							Function Descriptions	Bit Format (word×bit)	Supply Voltage (V)	Clock Frequency (MHz)	Write Cycle Time (ms)
	SOP8	SOP-J8	SSOP-B8	SOP14	SSOP-B14	SSOP-B16	VSON008X2030					
BR24C21	F	FJ	FV	—	—	—	—	Supports DDC1/DDC2 for displays	128×8	2.5 to 5.5	100/400	10
BU9882	—	—	—	F-W	FV-W	—	—	Dual-port type compatible with DDC2 for displays	128×8×2ch	2.5 to 5.5	100/400	10
BU9883	—	—	—	—	—	FV-W	—	2Kbit×3ch EEPROM for HDMI ports	256×8×3ch	3.0 to 5.5	400	5
BU99022	—	—	—	—	—	—	NUX-3	2Kbit×2ch type	256×8×2ch	1.7 to 5.5	400	5

车载用EEPROM

125°C工作 I ² C BUS EEPROM (2-Wire) BR24Hxxx-5AC系列																	
Part No.	Package and Suffix						Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8	VSON008X2030	VSON08A2030				Operating (mA)	Standby (µA)						
BR24H01	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	1K	128×8	1.7 to 5.5	1.7	10	3.5	-40 to +125	4×10 ⁶	100	FSs	YES
BR24H02	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	2K	256×8	1.7 to 5.5	1.7	10	3.5					
BR24H04	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	4K	512×8	1.7 to 5.5	1.7	10	3.5					
BR24H08	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	8K	1K×8	1.7 to 5.5	1.7	10	3.5					
BR24H16	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	16K	2K×8	1.7 to 5.5	1.7	10	3.5					
BR24H32	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	32K	4K×8	1.7 to 5.5	1.7	10	3.5					
BR24H64	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	64K	8K×8	1.7 to 5.5	1.7	10	3.5					
BR24H128	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	128K	16K×8	1.7 to 5.5	1.7	10	3.5					
BR24H256	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	256K	32K×8	1.7 to 5.5	1.7	10	3.5					
New BR24H512	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	512K	64K×8	1.7 to 5.5	3	20	3.5					
BR24H1M	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	1M	128K×8	2.5 to 5.5	3	20	3.5					

105°C工作 I ² C BUS EEPROM (2-Wire) BR24Axx-WM系列														
Part No.	Package and Suffix			Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	MSOP8				Operating (mA)	Standby (µA)						
BR24A01A	F-WM	FJ-WM	—	1K	128×8	2.5 to 5.5	2	2	5	-40 to +105	10 ⁶	40	FSs	YES
BR24A02	F-WM	FJ-WM	FVM-WM	2K	256×8	2.5 to 5.5	2	2	5					
BR24A04	F-WM	FJ-WM	—	4K	512×8	2.5 to 5.5	2	2	5					
BR24A08	F-WM	FJ-WM	—	8K	1K×8	2.5 to 5.5	2	2	5					
BR24A16	F-WM	FJ-WM	—	16K	2K×8	2.5 to 5.5	2	2	5					
BR24A32	F-WM	—	—	32K	4K×8	2.5 to 5.5	3	2	5					
BR24A64	F-WM	—	—	64K	8K×8	2.5 to 5.5	3	2	5					

85°C工作 I ² C BUS EEPROM (2-Wire) BR24Txx-3AM系列														
Part No.	Package and Suffix			Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8				Operating (mA)	Standby (µA)						
BR24T512	F-3AM	FJ-3AM	FVT-3AM	512K	64K×8	1.7 to 5.5	4.5	3	5	-40 to +85	10 ⁶	40	FSs	YES
BR24T1M	F-3AM	FJ-3AM	—	1M	128K×8	1.7 to 5.5	4.5	3	5					

125°C工作 Microwire BUS EEPROM (3-Wire) BR93Hxx-2C系列															
Part No.	Package and Suffix				Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8				Operating (mA)	Standby (µA)						
BR93H46	RF-2C	RFJ-2C	RFVT-2C	RFVM-2C	1K	64×16	2.5 to 5.5	3	10	4	-40 to +125	10 ⁶	100	FSs	YES
BR93H56	RF-2C	RFJ-2C	RFVT-2C	RFVM-2C	2K	128×16	2.5 to 5.5	3	10	4					
BR93H66	RF-2C	RFJ-2C	RFVT-2C	RFVM-2C	4K	256×16	2.5 to 5.5	3	10	4					
BR93H76	RF-2C	RFJ-2C	RFVT-2C	RFVM-2C	8K	512×16	2.5 to 5.5	3	10	4					
BR93H86	RF-2C	RFJ-2C	RFVT-2C	RFVM-2C	16K	1K×16	2.5 to 5.5	3	10	4					

105°C工作 Microwire BUS EEPROM (3-Wire) BR93Axx-WM系列															
Part No.	Package and Suffix				Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8				Operating (mA)	Standby (µA)						
BR93A46	RF-WM	RFJ-WM	RFVT-WM	RFVM-WM	1K	64×16	2.5 to 5.5	3	2	5	-40 to +105	10 ⁶	40	FSs	YES
BR93A56	RF-WM	RFJ-WM	RFVT-WM	RFVM-WM	2K	128×16	2.5 to 5.5	3	2	5					
BR93A66	RF-WM	RFJ-WM	RFVT-WM	RFVM-WM	4K	256×16	2.5 to 5.5	3	2	5					
BR93A76	RF-WM	RFJ-WM	RFVT-WM	RFVM-WM	8K	512×16	2.5 to 5.5	3	2	5					
BR93A86	RF-WM	RFJ-WM	RFVT-WM	RFVM-WM	16K	1K×16	2.5 to 5.5	3	2	5					

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。

车载用EEPROM

存储器

125°C工作 内置ECC功能 SPI BUS EEPROM BR25Hxxx-5AC系列

Part No.	Package and Suffix						Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8	VSOP08R2030	VSOP08A2030				Operating (mA)	Standby (µA)						
New BR25H010	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	1K	128×8	1.7 to 5.5	8	10	3.5	-40 to +125	4×10 ⁶	100	FSs	YES
New BR25H020	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	2K	256×8	1.7 to 5.5	8	10	3.5					
New BR25H040	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	4K	512×8	1.7 to 5.5	8	10	3.5					
New BR25H080	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	8K	1K×8	1.7 to 5.5	8	10	3.5					
New BR25H160	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	ANUX-5AC	16K	2K×8	1.7 to 5.5	8	10	3.5					
New BR25H320	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	NUX-5AC	—	32K	4K×8	1.7 to 5.5	8	10	3.5					
BR25H640	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	NUX-5AC	—	64K	8K×8	1.7 to 5.5	8	10	3.5					
BR25H128	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	NUX-5AC	—	128K	16K×8	1.7 to 5.5	8	10	3.5					
BR25H256	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	NUX-5AC	—	256K	32K×8	1.7 to 5.5	8	10	3.5					
New BR25H512	F-5AC	FJ-5AC	FVT-5AC	FVM-5AC	—	—	512K	64K×8	1.7 to 5.5	8	20	3.5					
BR25H1M	F-5AC	FJ-5AC	FVT-5AC	—	—	—	1024K	128K×8	1.7 to 5.5	8	20	3.5					

125°C工作 内置ECC功能 SPI BUS EEPROM BR25Hxxx-2AC系列

Part No.	Package and Suffix				Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8				Operating (mA)	Standby (µA)						
BR25H640	F-2AC	FJ-2AC	FVT-2AC	FVM-2AC	64K	8K×8	2.5 to 5.5	5.5	10	4	-40 to +125	10 ⁶	100	FSs	YES
BR25H128	F-2AC	FJ-2AC	FVT-2AC	—	128K	16K×8	2.5 to 5.5	5.5	10	4					
BR25H256	F-2AC	FJ-2AC	—	—	256K	32K×8	2.5 to 5.5	5.5	10	4					

125°C工作 SPI BUS EEPROM BR25Hxxx-2C系列

Part No.	Package and Suffix				Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8				Operating (mA)	Standby (µA)						
BR25H010	F-2C	FJ-2C	FVT-2C	FVM-2C	1K	128×8	2.5 to 5.5	4	10	4	-40 to +125	10 ⁶	100	FSs	YES
BR25H020	F-2C	FJ-2C	FVT-2C	FVM-2C	2K	256×8	2.5 to 5.5	4	10	4					
BR25H040	F-2C	FJ-2C	FVT-2C	FVM-2C	4K	512×8	2.5 to 5.5	4	10	4					
BR25H080	F-2C	FJ-2C	FVT-2C	FVM-2C	8K	1K×8	2.5 to 5.5	4	10	4					
BR25H160	F-2C	FJ-2C	FVT-2C	FVM-2C	16K	2K×8	2.5 to 5.5	4	10	4					
BR25H320	F-2C	FJ-2C	FVT-2C	FVM-2C	32K	4K×8	2.5 to 5.5	4	10	4					
BR25H640	F-2C	FJ-2C	FVT-2C	—	64K	8K×8	2.5 to 5.5	5.5	10	4					
BR25H128	F-2C	FJ-2C	—	—	128K	16K×8	2.5 to 5.5	5.5	10	4					

105°C工作 SPI BUS EEPROM BR25Axxx-3M系列

Part No.	Package and Suffix				Density (bit)	Bit Format (word×bit)	Supply Voltage (V)	Current Consumption (Max)		Write Cycle Time (Max) (ms)	Operating Temperature (°C)	Endurance (times)	Data Retention (years)	ComfySIL™ Functional Safety*1	Automotive Grade AEC-Q100
	SOP8	SOP-J8	TSSOP-B8	MSOP8				Operating (mA)	Standby (µA)						
BR25A256	F-3M	FJ-3M	FVT-3M	—	256K	32K×8	2.5 to 5.5	4	10	5	-40 to +105	10 ⁶	100	FSs	YES
BR25A512	F-3M	FJ-3M	FVT-3M	—	512K	64K×8	2.5 to 5.5	4	10	5					
BR25A1M	F-3M	FJ-3M	—	—	1M	128K×8	2.5 to 5.5	4	10	5					

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*1 "ComfySIL™ 功能安全类别" 的详情请参阅封二。