

# MC-10287BF1-HN4-M1-A

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## Product Spec


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Basic Information			
Star Product	-	I/O Ports	96
Bit Size	32	32-bit Timer (ch)	1
Family	R-IN	Watchdog Timer (ch)	1
Series	R-IN32M3	CAN (ch)	2
Group	R-IN32	Ethernet	2ch
Program Memory (KB)	768	Ethernet Remarks	2ch
RAM (KB)	512	USB Endpoints	0
Program Memory Type	ROMless	Clocked Serial Interface (ch)	2
Pin Count	324	UART (ch)	2
CPU	Cortex-M3	I2C (ch)	2
Max. Freq (MHz)	100	Operating Voltage Max (V)	1.1
On-chip Oscillator	YES	Operating Voltage Min (V)	0.9
On-chip Oscillator Freq. (MHz)	100	Power Supply	VDD = 0.9 to 1.1 V, VDDIO = 3.0 to 3.6V
PLL	YES	Operating Temperature Max (°C)	85
DMA	YES	Operating Temperature Min (°C)	-40
DMA Remarks	DMAC x 4 ch	Remarks	Industrial communication, include EthreCAT slave IP and 2port PHY

## Recommended Product

Orderable Part Name **MC-10287BF1-HN4-M1-A**

Star Product -

Product Longevity Program (PLP)





Production Status **Mass Production**

EU RoHS **Compliant**

RoHS-pdf (China-RoHS) [English](#)

External Interrupt Pins	29	Production Status	Mass Production
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Package	
Ordering Part Name	MC-10287BF1-HN4-M1-A
Renesas code	PRBG0324FB-A
Previous code	P324F1-100-HN4-1
JEITA code	P-BGA324-19x19-1.00
Name	BGA
Terminal count	324
Terminal pitch (mm)	1 mm
Dimensions (mm)	19x19
Mass (g) [TYP,]	1.28
Mounting height (mm)[MAX]	1.95
Drawing Link	 <a href="#">p324f1-100-hn4</a>
Mount pad	 <a href="#">fig0013e</a>
Remarks	B-PBGA,PWB:0.53t
Terminal material - Base	Sn-Ag-Cu
Terminal material - Surface	-

Packing	
Container	JEDEC tray  H8027
Packing	JEDEC Tray Complete dry pack  H8513

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