

A light blue world map is centered in the background of the slide, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

# AutoChips MCU 选型手册





字段	说明	值
AC	AutoChips	<ul style="list-style-type: none"> <li>AC</li> </ul>
7	AutoChips MCU 系列	<ul style="list-style-type: none"> <li>7</li> </ul>
8	汽车通用型	<ul style="list-style-type: none"> <li>8</li> </ul>
0	Core Platform	<ul style="list-style-type: none"> <li>0= Cortex-M0+</li> </ul>
1	特定功能位	<ul style="list-style-type: none"> <li>1:区分性能/版本</li> <li>3:产品子系列</li> </ul>
3		<ul style="list-style-type: none"> <li>6= CPU 72MHz</li> <li>3=支持CAN-FD/CAN</li> <li>2=不支持CAN-FD/CAN</li> <li>0= ESD 2KV</li> </ul>
F	引脚数目	<ul style="list-style-type: none"> <li>P = 20</li> <li>M = 32</li> <li>F = 48</li> </ul>
D	Flash存储器大小	<ul style="list-style-type: none"> <li>A = 16KB</li> <li>B = 32KB</li> <li>C = 64KB</li> <li>D= 128KB</li> </ul>
L	封装类型	<ul style="list-style-type: none"> <li>L = LQFP</li> <li>Q = QFN</li> <li>T = TSSOP</li> </ul>
A	温度范围(°C)	<ul style="list-style-type: none"> <li>A= AEC-Q100 Grade 1(-40~125°C)</li> <li>I= -40~105°C</li> <li>C= -40~85°C</li> </ul>



# Cortex-M3 系列 AC781x通用型 - 100MHz

Part No.	Max Speed (MHz)	Flash (Kbytes)	SRAM (Kbytes)	I/O	Timer (32-bit)	WDG	RTC	UART	I2C	SPI	CAN	LIN	PWM*	COMP	DAC* (6-bit)	ADC (12-bit)	Package*	Operating Temp. Range(°C)
AC7811QBGE	100	256	64	68	8	1	1	6	2	2	2	1	12-ch	2	2	16-ch	LQFP80	-40 to +125
AC7811OBGE	100	128	32	68	8	1	1	6	2	2	2	1	12-ch	2	2	16-ch	LQFP80	-40 to +125
AC7811MBGE	100	64	16	68	8	1	1	6	2	2	2	1	12-ch	2	2	16-ch	LQFP80	-40 to +125
AC7811QBFE	100	256	32	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +125
AC7811OBFE	100	128	32	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +125
AC7811MBFE	100	64	16	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +125
AC7815QBGE	100	256	64	68	8	1	1	6	2	2	2	1	12-ch	2	2	16-ch	LQFP80	-40 to +85
AC7815OBGE	100	128	32	68	8	1	1	6	2	2	2	1	12-ch	2	2	16-ch	LQFP80	-40 to +85
AC7815MBGE	100	64	16	68	8	1	1	6	2	2	2	1	12-ch	2	2	16-ch	LQFP80	-40 to +85
AC7815QBFE	100	256	32	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +85
AC7815OBFE	100	128	32	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +85
AC7815MBFE	100	64	16	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +85
AC7815JBFE	100	32	8	52	8	1	1	6	2	2	2	1	9-ch	2	2	12-ch	LQFP64	-40 to +85

\*Package Identifier:80(10mm\*10mm),64(7mm\*7mm)

\*PWM:12-ch (one 6-channel and three 2-channel) ,9-ch(one 6-channel,one 2-channel and one 1- channel)

\*DAC:internal

AEC-Q100:AC7811,AEC-Q100 Grade 1; AC7813,AEC-Q100 Grade 3;AC7815,Not Guaranteed

AC7811xJxx:Add additional Test Pattern to eFlash ;

字段	说明	值
AC	AutoChips	• AC
7	AutoChips mcu 系列	• 7
8	汽车通用型	• 8
1	代	• 1= 第一代
1	温度范围(°C)	<ul style="list-style-type: none"> <li>• 1= AEC-Q100 Grade 1</li> <li>• 3= AEC-Q100 Grade 3</li> <li>• 5= 85°C</li> </ul>
Q	Flash存储器大小	<ul style="list-style-type: none"> <li>• Q = 256 KB</li> <li>• O = 128 KB</li> <li>• M = 64 KB</li> <li>• J = 32 KB</li> </ul>
B	标准	<ul style="list-style-type: none"> <li>• B = 常规标准</li> <li>• J = BCM标准</li> </ul>
G	引脚数目	<ul style="list-style-type: none"> <li>• F = 64 (7 mm x 7 mm)</li> <li>• G = 80 (10 mm x 10 mm)</li> </ul>
E	封装类型	• E = LQFP

# **AutoChips**

A light blue world map is centered on a darker blue horizontal band that spans the width of the page. The map shows the outlines of continents and major landmasses.

[www.autochips.com](http://www.autochips.com)