

**Geehy**™  
SEMICONDUCTOR

## Geehy SEMICONDUCTOR USA

- Leading global MCU manufacturer
- 450 million chips shipped annually
- 20 years of chip design featuring

APM32 MCU  ARM Cortex  BLE SoC

**NOW AVAILABLE IN CANADA  
AT DIVERSE ELECTRONICS**



**GEEHY SEMICONDUCTOR** is a subsidiary of Apex Microelectronics with 20 years of IC chip design experience and local North American engineering support. Now available in Canada at Diverse Electronics, Geehy is dedicated to providing higher quality products and solutions to build an intelligent and secure new ecosystem towards the development of IoT.

### CONSUMER ELECTRONICS



### INDUSTRIAL APPLICATIONS



### MEDICAL EQUIPMENT



### AUTOMOTIVE ELECTRONICS



### INTELLIGENT TRANSPORTATION



### INTELLIGENT ENERGY



### Geehy by the #s

**20** years experience in chip design

**450** million chips shipped annually

**4** offices  
(1 North American, 3 offshore)

**5** R&D facilities

### APM32 Industrial-Grade General MCU

- Based on ARM Cortex -M0+/M3/M4/M7 cores
- High-performance, low power consumption
- Reduce development time & cost, optimize performance
- Consistency, reliability & stability; IEC61508, USB-IF-certified
- -40~+105°C, ESD>8KV demanding industrial environments

### Bluetooth Low-Energy SoC

- Based on ARM Cortex-M4F and dual-core architecture
- Build wireless communication function with lowest BOM cost
- High sensitivity, high security, low consumption
- Excellent RF characteristics, anti-interference performance
- Better user experience with intelligent device interaction

AP/G	M	32	F	103	T	4	T	6
Brand Geehy	M:MCU W:Wireless	Family 32:32 bit 88:BLE Soc	F Product type A Auto grade E Enhanced F Foundation L Ultra-low-power S Standard T Touch sensing W Wireless	Specific features (3 digits) 030 Entry-level 103 Foundation 407 High-performance and DSP with FPU L072 Ultra-low-power	Pin count (pins) D 14 Y 20 F 20 E 24&25 G 28 K 32 T 36 H 40 S 44 C 48&49 U 63 R 64&66 J 72 M 80 O 90 V 100 Q 132 Z 144	Code size (Kbytes) 0 1 1 2 2 4 3 8 4 16&8 5 24 6 32 7 48 8 64 9 72 A 96 or 128* B 128 Z 192 C 256 D 384 E 512 F 768 G 1024	Packaging B Plastic DIP* D Ceramic DIP* G Ceramic QFP H LFBGA/TFBGA I UFBGA Pitch 0.5** J UFBGA Pitch 0.8** K UFBGA Pitch 0.65** M Plastic S0 P TSSOP Q Plastic QFP T QFP U QFN Y WLCSP	Temperature range 6 and A -40 to +85°C 7 and B -40 to +105°C 3 and C -40 to +125°C D -40 to +150°C
For more information on Geehy Semiconductor go to <a href="http://diverseelectronics.com">diverseelectronics.com</a> or call us today!			22 Specific features 11 BLE 4.2 22 BLE 5.1	Auto grade 8 48 9 64 A 80				