



eVTOL Fuels the Rapid Ascent of the “Low-Altitude Economy”



Research indicates that China’s eVTOL (electric vertical take-off and landing) industry had already reached a market size of 980 million in 2023. By 2026, its market size is expected to reach 9.5 billion. This rapid growth is primarily driven by technological innovations in the field, the increasing demand for urban air mobility (UAM), and the advancement of environmental policies.

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Avnet eVTOL Flight Control System solution based on NXP S32G

The NXP S32G automotive-grade processor delivers high-performance, safety-certified flight control for eVTOLs.

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Solutions



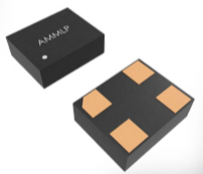
S32M2 Smart Controller featuring Sensorless FOC algorithm for eVTOL systems

The high-performance S32M2 microcontroller is well-suited for supporting PMSM and BLDC solutions in eVTOL applications.

[Learn more](#)

Electric vertical take-off and landing (eVTOL)

Avnet together with the leading suppliers bring you the best Electric vertical take-off and landing (eVTOL) products.



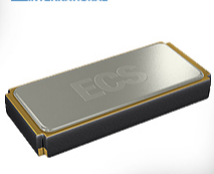
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MEMS- Vibration resistance timing solution



Amphenol
WireLock® 1.80mm pitch wire-to-board and flex-to-wire connector system



Belfuse
Chip fuse



ECS
ECX-34Q: high-stability SMD crystal



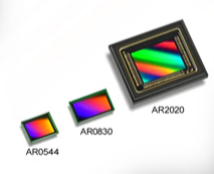
MPS
MIE1W0505BGLVH



Murata
SCH16T Series (Industry)



Novosense
NSI6611-Q1



onsemi
Hyperlux LP Family



Panasonic
Conductive polymer hybrid aluminum electrolytic capacitors



STMicroelectronics
LSM6DSV16X



Rohm
SCS230AN: 650V, 30A SiC SBD



Samtec
mPOWER® Ultra micro power connectors



SCHURTER
UHP - SMD fuse for battery protection



SiTime
Precision timing solutions for VTOL



Toshiba
Silicon carbide MOSFET



Vishay
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