



As technology advancements continue to emerge and require more data to support them. MACHFORCE is an innovative and rugged D38999 style 10G Ethernet connector engineered for sophisticated, high-speed electronics in the aerospace and defense market. Your time is valuable, so the MACHFORCE connectors were designed to save time during installation and greatly reduce downtime during future aircraft/vehicle maintenance.

APPLICATIONS:

- C5ISR
- Cyber Security
- Autonomous Weapons
- Artificial Intelligence

OUTSTANDING HIGH-SPEED PERFORMANCE

Our patented High Speed Module (HSM) makes the density possible.

- HSMs are configured in a linear pattern
 - More modules in a single row
 - Improves density
 - Provides better electrical performance due to reduced crosstalk
- Allows every twisted pair to maintain its twist right up to the pin or socket providing a 360° grounding contact to the high-speed module

TRANSMITS MORE DATA IN LESS SPACE

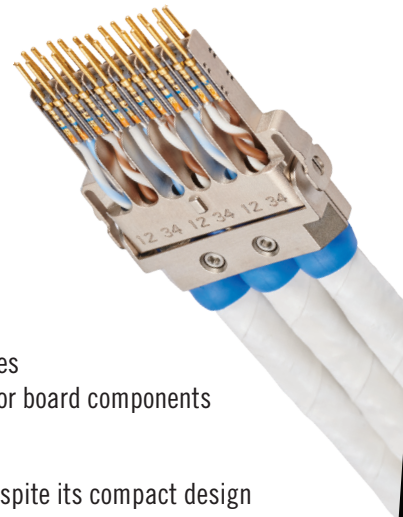
- Add more functionality without increasing your box size
- MACHFORCE's proprietary design maximizes port density and allows for
 - 10 Ethernet cables in a size 25 housing
 - 4 Ethernet cables in a size 17 housing
- Reduced number of connectors results in smaller, lighter and more compact final product

BETTER & EASIER TERMINATION

- Utilizing the high-speed module, termination time is reduced
 - Simpler for inexperienced technicians
 - Great choice for streamlining termination processes
- No special tooling required
 - Industry-standard tools
 - 22D pins & sockets
- Field repairability
 - Designed with field technician in mind
 - The connector body and HSM provides direct access to terminated wires
 - PCB accessibility allows for pin changes without disturbing contacts or board components

RUGGEDIZED TECHNOLOGY

- Robustness and excellent electrical performance have not been sacrificed despite its compact design
- Temperature extremes of -60 to 200°C
- Pair with PIC E6A6824 or E6A6826 Ethernet cables for an extremely robust, high-speed data interconnect solution
- Backshells provide strain relief and ingress protection (IP67) against sand, dust, and fluids
- Anti-decoupling ring allows for secure connection in high shock and vibration environments



RUGGED D38999 SOLUTIONS