FAST FACTS

MIL-DTL-38999 SERIES III SCREEN TRAP™ BACKSHELLS

Originally designed, and proven by TTe New Chapel Electronics, the trademarked 'Screen Trap' backshell is now adapted for use with all MIL-DTL-38999 Series III connectors. The concept is contained in patents, GB2427079B, GB2427080B, GB2427081B and subject of other patent applications.

This series of adapters provides a simplified method of grounding over all shields. The shield/braid is secured between a male and female thread providing a good bonding joint. No additional tooling is required to terminate Screen Trap™ backshells.

Simple but effective EMI/RFI and environmental protection.

MARKET SEGMENTS

- ✓ Adoption in high reliability applications including traditional applications associated with MIL-DTL-38999 Series III connectors

APPLICATIONS

- ✓ Defence
  - o Surveillance systems
  - o Thermal imaging
- ✓ Aerospace
  - o Fixed Wing
  - o Rotary wing
  - o Landing gear
  - o Missile Systems

FEATURES

- ✓ No tooling required for assembly
- ✓ Grounded backshell, shield termination, environmental sealing and mechanical strain-relief
- ✓ Tested to requirements of American specification for connector backshells, AS85049
- ✓ Base materials & Finishes:
  - o Aluminium Cad, Electroless Nickel, Ni PTFE, Zn Cobalt,
  - o Passivated Stainless Steel (not in AS85049)

OUR ADVANTAGE

- ✓ All Screen Trap™ adaptors are capable of terminating single, double or optimised screens thereby making the Screen-Trap™ ideal where RFI, EMI, EMP, Tempest or HIRF conditions apply.
- ✓ Not widely promoted by competition that may prefer to offer more their own designs, ie Constant Force Springs, Tinel Ring, Banding style
- ✓ Lower material cost than Banding Style termination
- ✓ Fast termination and therefore lower installation cost than other technologies
- ✓ Ease of repair