



# ULTRALOCK®

## High Performance connector for electrical harnesses

### Features

- Easy One Step Installation
- Positive locking Anti-Rotational Device
- Quick, Simple Operation
- Completely Eliminates the Need for Wire-locking of Backshells
- Negligible Weight Penalties Incurred
- Labour Saving
- Resistant to Accidental Unlocking
- Lightweight and High-temperature versions available
- Designed to work with both ACS and ACSD systems

### Description

Ultra Electronics "ULTRALOCK®" device (patented) eliminates the requirement for anti-vibration wire locking of backshell spin couplings.

The wave spring, which energises the locking collar into the engaged position, is manufactured from Stainless Steel to give exceptional corrosion resistance.

The lightweight version has a locking collar which is manufactured from PEEK, a high performance engineering plastic, which remains stable at temperatures of +200°C and is resistant to all common aerospace and ground vehicle fluids.

The high-temperature variant can withstand temperatures of +300°C, and is suitable for use in harsh environments. The collar is manufactured from a lightweight Anodised Aluminium Alloy and is also resistant to all common aerospace and ground vehicle fluids.

### Technical Specification

#### Lightweight

- Temperature range between -55 to +200°C
- Shock required to Disengage: in excess of 200G

#### High Temperature

- Temperature Range : -55 to +300°C
- Shock required to Disengage: in excess of 100G

#### Compatibility

Suitable for use with all sizes of the following connector types:

MIL-C-38999 Series I,II,III,IV  
 MIL-C-83723 Series I,III  
 MIL-C-5015  
 MIL-C-81703 Series 3  
 MIL-C-26482 Series 2

Available in a wide range of end-forms including:

Tinel Locking Ring, Band Clamp Heat-Shrink Boot, Swaged, Cable Clamp, etc



**Ultra Electronics**

Precision Control Systems  
Arle Court, Hatherley Lane  
Cheltenham  
Gloucestershire GL51 6PG  
England  
Tel: +44 (0)1242 221166  
Email: [sales@ultra-pcs.com](mailto:sales@ultra-pcs.com)  
[www.ultra-pcs.com](http://www.ultra-pcs.com)  
[www.ultra-electronics.com](http://www.ultra-electronics.com)

Ultra Electronics reserves the  
right to vary these specifications  
without notice.  
© Ultra Electronics Limited 2012.  
Printed in England  
Insert imprint code