

This cleaning instruction details the procedure for cleaning Expanded Beam 38999 Plug and Bulkhead connectors. For optimum performance the Insert Mating Face and Ball Lenses must be kept clean. The Insert Mating Face and Ball Lenses must be cleaned if they are touched with fingers, tools or otherwise contaminated.

***WARNING – NEVER inspect or look into the end of a fibre/Ball Lens when optical power is applied. The infrared light used cannot be seen but can cause injury to the eye.***

Tools and equipment required:

1. Electro-wash PX or IPA
2. Lint free cloth
3. Large-Bud
4. Mini-Bud

### **Plug, Bulkhead and Dust Caps**

Wash the Connector and Dust Cap with water if they are covered with excessive dirt and debris.

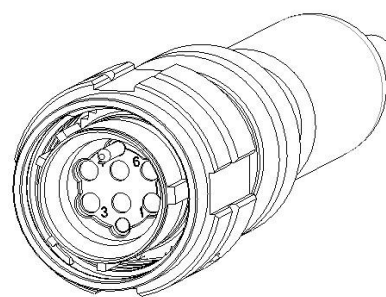
Moisten the tip of a Large-Bud with Electro-wash PX or IPA and wipe the Alignment Pin, Ball Lenses and Insert Mating Face. Use only light pressure on the Ball Lenses, to avoid scratches. Use a back-and-forth or swirling motion.

If the Housing Threads, Dust Cap Threads or Sealing Face are dirty, then these should also be cleaned, with a moistened Large-Bud.

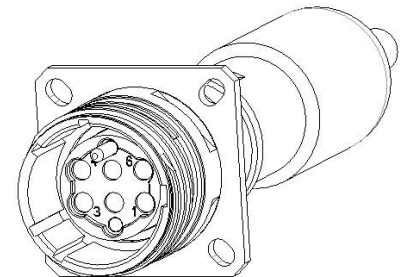
Moisten the tip of a Mini-Bud with Electro-wash PX or IPA and wipe the Alignment Pin Hole. Use a back-and-forth or swirling motion.

Upon completion of the cleaning process, blow dry with clean air to remove any remaining solvent or stray particles.

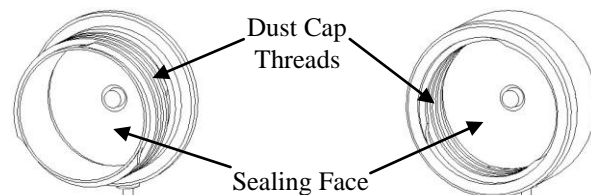
Inspect the Ball Lenses to make sure that there is no contamination remaining. If necessary the process will need to be repeated until the lenses are clean.



Expanded Beam  
38999 Plug Connector



Expanded Beam  
38999 Bulkhead Connector



38999 Plug  
Dust Cap

38999 Bulkhead  
Dust Cap

