

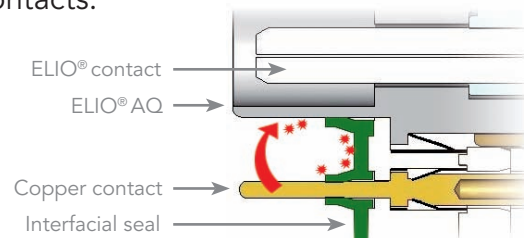


## Turn Quadrax #8 Cavities Into Optic Ways

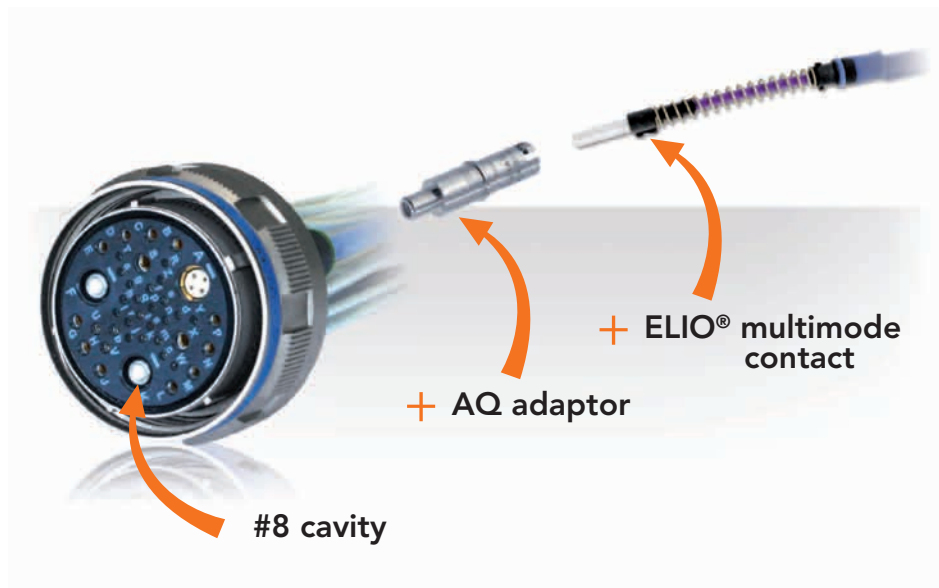
ELIO® AQ is an adaptor to enable the ELIO® contact to fit in any #8 Quadrax cavities in several types of connectors.

**Hybrid** ■ Mix optical and electrical signals in the same standard connector.

**Reliable** ■ High thermal stability from -65°C to +125°C. 500 mating cycles thanks to protection against migration of particles coming from copper contacts:



**User friendly** ■ No tool needed for contact installation. Easy to clean.





### MIL-DTL-38999 Series III/EN3645 with ELIO® multimode contact and ELIO® AQ Adaptor for Quadrax #8 cavities

- ELIO® AQ is an adaptor to enable the ELIO® contact to fit in any #8 cavities
- Multiple possibilities to mix optical and electrical signals in the same insert
- Compatible with standard MIL-DTL-38999 Series III/EN3645 connectors (aluminum, composite, stainless steel, bronze)
- Design ensures ELIO® optical performance
- Environmental performance as per MIL-DTL-38999 and EN3645 standard
- Temperature range: - 65°C to +150°C (cable limitation)

## Applications

- Fiber optic connector for all military and aeronautical applications wherever severe vibration or mechanical resistance are required.

### ELIO® AQ Adaptor for Quadrax #8 cavities

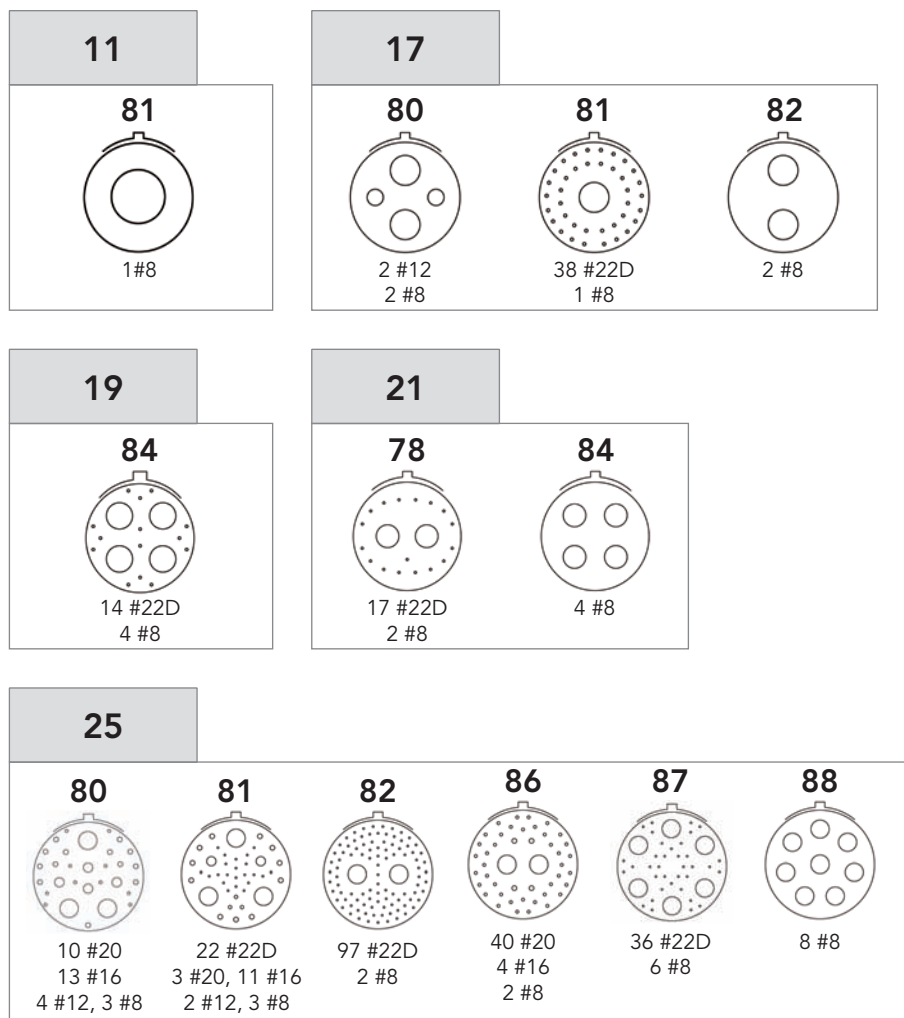
Insert type	Part Number
Male Insert	 ELIOAQ6PB
female Insert	 ELIOAQ6SB

Delivered with alignment boot.

## Ordering information & connector dimensions

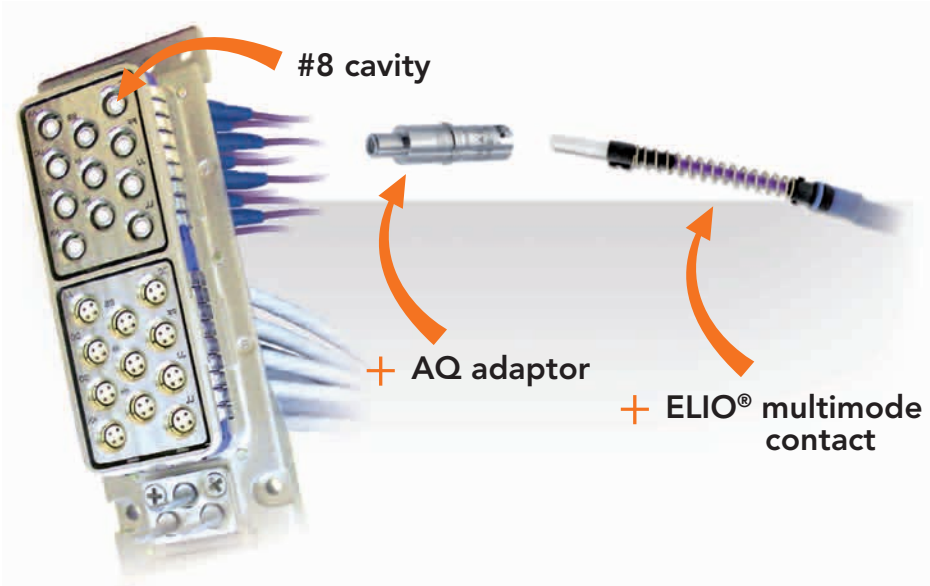
See SOURIAU «8D Series - MIL-DTL-38999 Series III» & «ELIO® Fiber Optic Technology» catalogs.

## Layouts



## ARINC 600 Series with ELIO® multimode contact and ELIO® AQ Adaptor for Quadrax #8 cavities

- Compatible with standard ARINC 600 Souriau connector
- Designed to ensure ELIO® contact optical performances
- Many possibilities to mix optical and electrical contact
- Temperature range: -65°C to +125°C (cable limitation)

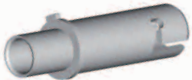




## Applications

- Fiber optic connector for all military and aeronautical applications wherever severe vibration or mechanical resistance are required.




## ELIO® AQ

Adaptor for Quadrax #8 cavities






Insert type	Part Number
Male Insert	 ELIOAQ0P (rear release - delivered with alignment boot)
	 ELIOAQ1P (front release)
Female Insert	 ELIOAQ0S (rear release)

## Layouts

ARINC 600 shell size 2 & 3

Cavity A, B, D & E		
 Q11* 11 #8	 118Q2 118 #22 2 #8	 C12Q6* 12 #12 6 #8

\* Grounded metal insert

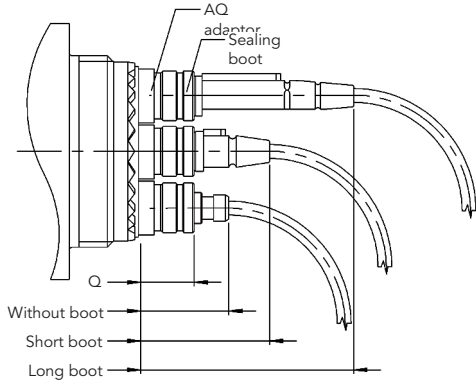
Cavity C & F				
 Q6* 6 #8	 68Q2 68 #22 2 #8	 11Q2 4 #20, 3 #16 4 #12, 2 #8	 62Q2 60 #22 2 #16, 2 #8	 20Q4 20 #20 4 #8

## Ordering information & connector dimensions

See SOURIAU «ARINC 600 Series» & «ELIO® Fiber Optic Technology» catalogs.

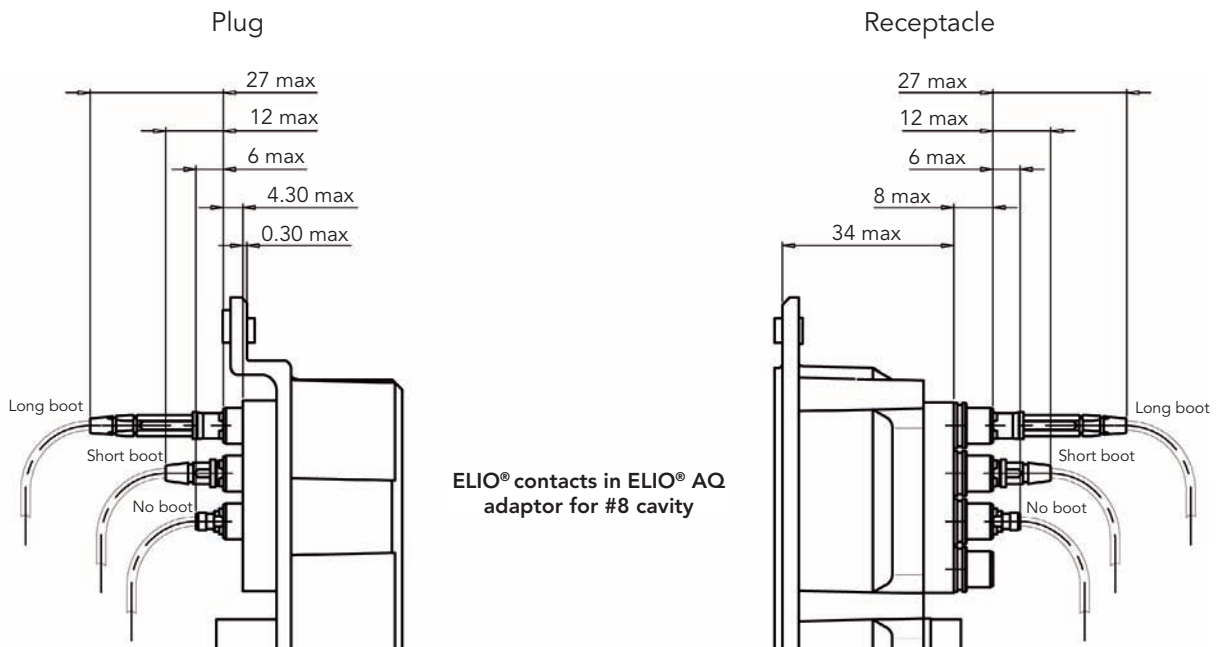
## Dimensions

### 38999 Series III/EN3645 with ELIO® contacts in ELIO® AQ adaptors



	Q		Contact length					
			Long boot		Short boot		Without boot	
	Male insulator	Female insulator	Male insulator	Female insulator	Male insulator	Female insulator	Male insulator	Female insulator
<b>Plug</b>	12 Max	9.5 Max	34.5 Max	32 Max	19.5 Max	17 Max	12.5 Max	10 Max
<b>Square flange receptacle</b>	12.5 Max	10 Max	35 Max	32.5 Max	20 Max	17.5 Max	13 Max	10.5 Max
<b>Jam nut receptacle</b>	12 Max	9.5 Max	34.5 Max	32 Max	19.5 Max	17 Max	12.5 Max	10 Max

### ARINC 600 with ELIO® contacts in ELIO® AQ adaptors



Note: All dimensions are in millimeters (mm)

For further information contact us at [contactmilaero@souriau.com](mailto:contactmilaero@souriau.com)  
or visit our web site [www.optical-connectors.com](http://www.optical-connectors.com)