



APMA

CW8942F14P2

CW8942F14R2

Two cavity nickel-plated tail
attachment

Technical Information

March 2020

1. Explanation

Standard: Q/21EJ6166 "EN4165 Series Connector Product Specification"

2. Dimensions (dimensions without units marked, the default unit is mm)

2.1 Dimensions of 2-cavity nickel-plated locking tail attachment

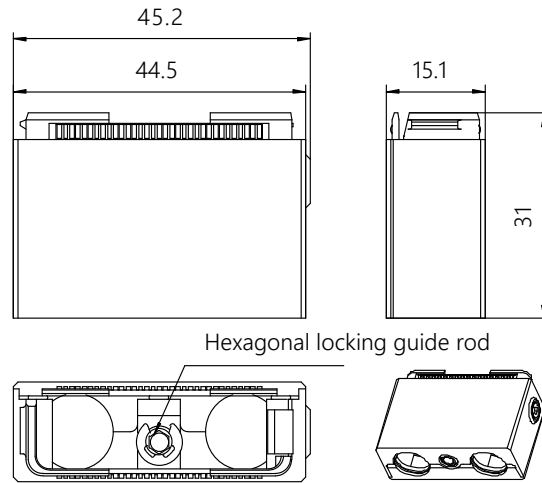


Figure 1 Two-cavity nickel-plated locking tail attachment

2.2 Dimensions of 2-cavity nickel-plated tail attachment

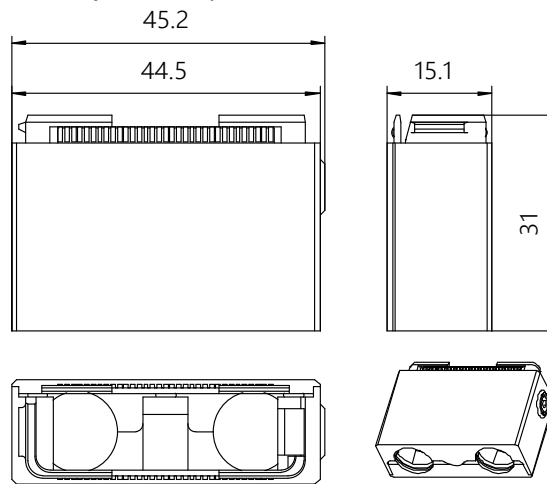


Figure 2 2-cavity nickel-plated tail attachment

3. Technical specifications

3.1 Electrical performance

Table 1 Performance Index

Serial number	Type	Initial value (mΩ)	After environmental test (mΩ)
1	Electrical continuity between shells (Tail accessory-plug/socket)	1	2
2	Electrical continuity between shells (tail attachment-sleeve)	2	4

Note: After the test refers to the mechanical life, vibration, shock and other tests

3.2 Mechanical and environmental performance requirements

Table 2 Mechanical and environmental performance indicators

Item	Skills requirement
Operating temperature	-55°C~+175°C
Mechanical life	500 times
Vibration	The power spectral density is 0.4G ² /Hz, and each direction is 8 h in three mutually perpendicular directions.
Salt spray	Test according to GJB1217A-2009 regulations, 96 hours of neutral salt spray

4. Acceptance requirements

Table 3 Acceptance requirements

Item	Skills requirement	Sampling requirements
Appearance and size	The connector has correct, clear and complete markings, no loose parts, no bumps in appearance, and the external dimensions meet the requirements of Figure 1.	100%

5. Order information

2-cavity nickel-plated locking tail attachment: CW8942F14P2;

Adapter plug: CW8942F6A2A1, etc.

2-cavity nickel-plated tail accessories: CW8942F14R2;

Adapter plug: CW8942F9A2A1, CW8942F9A2RA1, etc.

Adapter socket: CW8942F7A2A1, CW8942F0A2A1, etc.

Adapter sleeve: CW8942F15, etc.

6. Other information

none.