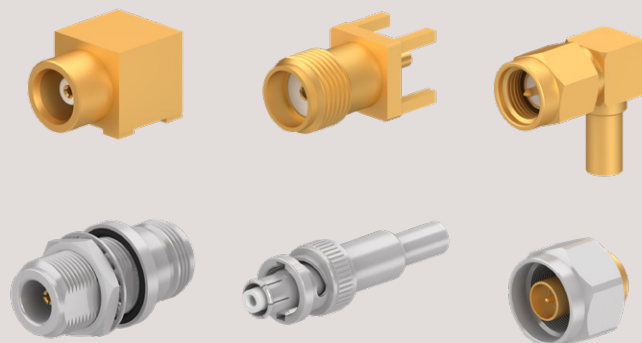


Lead-free RF connectors designed for a sustainable future



Edition 2026/08

Advanced lead-free connectivity across a wide range of applications

With decades of expertise in connectivity solutions, HUBER+SUHNER RF connectors are widely recognized and trusted across communication, defense, aviation, test and measurement, as well as a broad range of demanding industrial applications. Building on this strong foundation, engineers have developed advanced lead-free connector solutions that deliver the same high level of electrical performance as conventional designs. Mechanical characteristics remain equally robust, with consistent mating forces and uncompromised mating cycles ensuring long-term reliability.

Designed for demanding RF environments, these connectors support broadband frequencies up to 18 GHz, offer excellent return loss, and provide outstanding mechanical strength. This combination makes them an ideal choice for high-performance applications where both reliability and sustainability are essential.



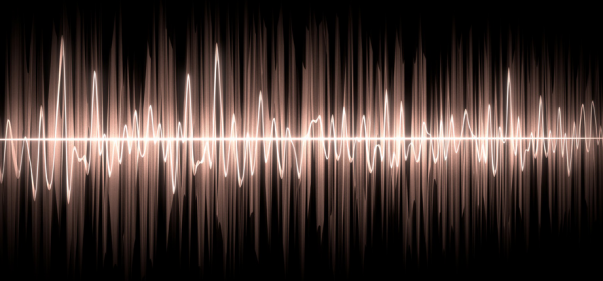
Regulatory drivers accelerating the transition to lead-free solution

Lead has traditionally been added to copper alloys to improve machinability by reducing tool wear and promoting efficient chip formation during manufacturing.

In Europe, key regulatory frameworks such as the RoHS Directive (2011/65/EU) and the REACH Regulation (EC) No. 1907/2006 are driving the transition toward safer and more sustainable materials. Lead is classified under REACH as a Substance of Very High Concern (SVHC), reinforcing industry efforts to reduce its use and accelerate the adoption of lead-free alternatives.

Sustainable RF connectors with proven performance

HUBER+SUHNER offers a lead-free connector portfolio that is RoHS compliant without relying on the 6C exemption. Designed for long-term durability, these connectors support both environmental responsibility and operational excellence.



**Lead-free.
Fully RoHS-compliant.
Built for performance up to 18 GHz.**



Part number	Product code *
85239448	11_N-50-7-93/133_NE
85240399	11_N-50-3-74/133_NH
85251803	24_N-50-2-118/133_NE
85235542	33_N-SMA-50-5/113_UE
85240150	34_N-50-0-14/133_NE
85240691	65_N-50-0-59/113_NE

Part number	Product code *
85199138	11_SMA-50-2-116/111_NE
85199312	16_SMA-50-2-114/111_NE
85201112	24_SMA-50-2-116/111_NE
85201191	82_SMA-50-0-21/111_NE
85201239	85_SMA-50-0-103/111_NE
85291058	11_SMA-50-2-116/111_NH
85291079	16_SMA-50-2-114/111_NH
85281659	82_SMA-50-0-21/111_NH
85293797	85_SMA-50-0-103/111_NY

Part number	Product code *
85278772	85_MCX-S50-0-33/111_NM
85278006	11_MCX-50-1-17/111_NH
85294563	85_MCX-S50-0-33/111_NE

Part number	Product code *
85284837	11_SHV-50-3-14/133_NE
85285376	16_SHV-50-4-2/133_NE

*** Connector pattern description**

- 11 - Straight cable plug (male)
- 16 - Right angle cable plug (male)
- 24 - Straight panel bulkhead cable jack (female)
- 33 - Adapter plug/jack (male/female)
- 34 - Bulkhead adapter jack/jack (female/female)
- 65- Termination
- 82 - Straight PCB jack (female)
- 85 - Right angle PCB jack (female)

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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, OHSAS 18001, EN(AS) 9100, IATF 16949 and ISO/TS 22163 – IRIS.

Waiver

Fact and figures herein are for information only and do not represent any warranty of any kind.

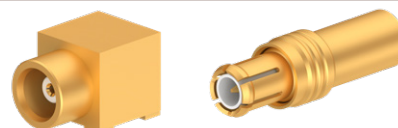
**N Series
Coaxial connectors and adapters**



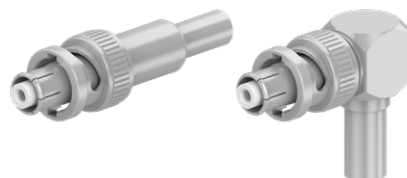
**SMA Series
Subminiature connectors**



**MCX Series
Micro miniature connectors**



**SHV Series
High voltage connectors**



HUBER+SUHNER