

Rosenberger Plating Code – Standard¹⁾

Outer Contact

Code	Plating	Symbol	Layer thickness	Magnetic Properties
A	Nickel	Ni	3.00 µm	
B	Silver	Ag	3.00 µm	Non magnetic
E	Gold	Au	0.80 µm	
F	Gold	Au	0.10 µm	
H	Gold selective	Au	1.27 µm	
L	AuroDur ^{® 3)}	Au	0.15 µm	Non magnetic
N	White bronze ²⁾			Non magnetic
S	Stainless Steel			
T	Tin/Lead	Sn	6.00- 8.00 µm	Non magnetic

Center Contact

Code	Plating	Symbol	Layer thickness	Magnetic Properties
1	Silver	Ag	3.00 µm	Non magnetic
3	Gold	Au	1.27 µm	
4	Gold	Au	0.80 µm	
5	AuroDur ^{® 3)}	Au	0.15 µm	Non magnetic

¹⁾ Plating Code

The used platings of outer and center contacts of Rosenberger connectors are defined by the last two digits of each Rosenberger number.

Example: 19 S 101-40M L5

- ▶ Plating code outer contact "L": AuroDur[®] Au 0.15 µm
- ▶ Plating code center contact "5": AuroDur[®] Au 0.15 µm

²⁾ White bronze

White bronze (e.g. Optalloy[®]) or Flash white bronze over silver (e.g. Optargen[®])

³⁾ AuroDur[®] – the Rosenberger Standard Plating for Gold Surfaces

AuroDur[®] plating is the standard gold surface for all Rosenberger connector series. AuroDur[®] has been developed by the engineering and metallurgical team at Rosenberger, well-experienced in developing electroplating standard and customized surfaces.

The AuroDur[®] surface consists of a thin gold layer (0.15 µm) on a non-magnetic, chemically deposited layer of nickel (2-3 µm).

AuroDur[®] gold plating fully satisfies the high mechanical and electrical demands of radio frequency connectors. In contrast to conventional platings, essential characteristics are improved.

Properties:

- ▶ high abrasion and corrosion resistance
- ▶ excellent intermodulation
- ▶ low contact resistance
- ▶ very good solderability
- ▶ optimal distribution of layer thickness
- ▶ RoHS conform