

Rosenberger Codes

Rosenberger Number Code

19	S	1	01-	4	0M	L5
						Plating Code
						01-Z9 Cable Group (see last page)
						00 Blank
						0M Surface Mount Device
						0P Press-fit Version
						0 Clamp Version, Accessories
						1 Crimp Version
						2 Solder Version, Solder Pot
						3 Solder Crimp Version
						4 PCB Mounting
						5 Solid Center Contact, Coax Transition
						6 Stripline
						7 Microstrip
						8 Crimp Version - Pigtail
						K Adaptors female (2nd end)
						S Adaptors male (2nd end)
						Successive Number
						1 Straight Connector
						2 Right Angle Connector
						3 T-or Y-Adapter
						4 Panel Connector with 4-hole Flange
						5 Panel Connector with Round Flange
						6 Panel Connector with Hexagonal Flange
						7 Panel Connector with 2-hole Flange
						K Female Connector, Jack
						S Male Connector, Plug
						P Sexless
						W Tool
						Z Accessories
Rosenberger Connector Series Code (overview see next page)						

Packaging

Blister: 2-piece plastic blister in various variants
 Box: Carton in various sizes with various inlays
 Standard: Plastic bag in various sizes
 Tape & Reel: Carrier tapes on on rolls in various variants

details please see chapter Packaging

Rosenberger Standard Plating Code

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®	Au	0.15 µm	Non magnetic
N	White bronze*)			Non magnetic
S	Stainless Steel			
T	Tin/Lead	Sn	6.00- 8.00 µm	Non magnetic

*)White bronze (e.g. Optalloy®) Flash white bronze over silver (e.g. Optarger®)

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®	Au	0.15 µm	Non magnetic

Plating Code

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

Example: 19 S 101 - 40M L5

Plating outer contact: AuroDur® (L) Au 0.15 µ

Plating center contact: AuroDur® (5) Au 0.15 µ

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

Rosenberger Connector Series Code

Precision Connector Series

Code			
01	RPC-1.00	(W)	- 110GHz
02	RPC-2.92	(K)	- 40GHz
03	RPC-3.50		- 26.5GHz
04	RPC-SL 26.5		- 26.5GHz
05	RPC-N 50Ω		- 18GHz
06	RPC-TNC		- 18GHz
07	RPC-7		- 18GHz
08	RPC-1.85	(V)	- 70GHz
09	RPC-2.40		- 50GHz
10	RPC-SP	(BMA)	- 22GHz
P4	RPC-SL 40		- 40GHz
P5	RPC-N 75Ω		- 4GHz

Classical Coaxial Connector Series

Code	
11	Tools
15	Micro-RF
16	FMC
17	Longwipe-SMP
18	Mini-SMP
19	SMP
20	MMCX
23	Inserts Mini-Coax
24	Mini-UHF
25	Inserts High Voltage DIN 41626
26	FME
27	IEC Antenna 75 Ω
28	QMA
29	MCX
30	SSMA
31	Microdot
32	SMA
32R	SMA reverse
34	1.0-2.3 DIN 47297 50Ω
35	SSMB
38	SSMC
39	SMC
40	MCX 75 Ω
41	MHV (High Voltage BNC)
42	HV 4-10 (High Voltage C)
43	HN (High Voltage N)
45	Inserts 1.0-2.3 DIN 41626 50Ω
47	SSMG
49	SMG
50	Inserts High Power DIN 41626 / D-Sub
51	BNC 50Ω

Code	
51R	BNC reverse
52	C 50Ω
53	N 50Ω
53Q	SnapN
54	UHF
55	Inserts D-Sub
56	TNC 50Ω
56R	TNC Reverse
57	SHV (Safe High Voltage)
59	SMB 50 Ω, FAKRA
60	7-16
64	4.3-10
65	4.1-9.5
71	BNC 75Ω
72	C 75Ω
73	N 75Ω
74	F
75	Inserts 1.0-2.3 DIN 41626 75Ω (intermateable with 50Ω)
76	TNC 75Ω
78	1.6-5.6 II Generation
81	Twinax
88	1.6-5.6 III Generation
99	Specials
119	P-SMP
153Q	QN
734	1.0-2.3 DIN 47297 75 Ω
745	Inserts 0.8-2.7 DIN 41626 75 Ω
759	SMB 75 Ω acc. to BT 43
D4	RosenbergerHSD®
E4	RosenbergerHSD®e

Cable Groups

Cable Group	Impedance	Cable Type
01	50Ω	RG 178, RG 196
02	50Ω	RG 316/U, RG 174 A/U, RG 188, G 022 32
02	75Ω	RG 179, RG 187, L910/22
03	50Ω	RG 316/U-d, K 02252 D, 5YCC6Y 0.54/1.5
03	75Ω	RG 179- d, L 910/19
06	50Ω	RG 58, RG 141
07	50Ω	RG 142, RG 223, RG 400
08	50Ω	RG 142, RG 223, RG 400
09	75Ω	RG 59, G 04233- 2, URM 104, Video 0.6/3.7
10	93Ω	RG 62
11	93Ω	RG 71
12	75Ω	RG 212, RG 222
13	75Ω	Belden 9248, 2YCY 0.80/4.8
14	75Ω	RG 6
15	50Ω	RG 213
16	50Ω	RG 225, RG 393
17	50Ω	RG 214
18	75Ω	RG 11
20	75Ω	RG 216/U
21	50Ω	RG 217
22	50Ω	RG 218
26	75Ω	Video 1.0- 6.6
28	75Ω	BT 2003, G 04233
29	75Ω	G 03233d, 2 S PTT 6012
40	75Ω	RG 180, RG 195, 2YCY 0.4/2.5
41	75Ω	2YCCY 0.4/2.5; 2YC(ms)CY 0.4/2.5
42	75Ω	x2YCY 0.7/4.4
43	75Ω	2YCCY 0.7/4.4
44	75Ω	2YCCY 1.0/6.5
50	75Ω	BT 2001
70	50Ω	UT 47
71	50Ω	UT 85, RG 405/U, RTK- FS 085, RTK- Flex 405
72	50Ω	UT 141, RG 402/U, RTK- FS 141, RTK- Flex 402
73	50Ω	UT 250, RG 401/U, RTK- FS 250
C01	50Ω	Flexible Corrugated Cable 1/4"R
C02	50Ω	Super Flexible Corrugated Cable 3/8"S
C03	50Ω	Flexible Corrugated Cable 1/2"R
C05	50Ω	Flexible Corrugated Cable 7/8"R
C06	50Ω	Flexible Corrugated Cable 1 1/4"R
C07	50Ω	Flexible Corrugated Cable 1 5/8"R
C08	50Ω	Super Flexible Corrugated Cable 1/2"S
C09	50Ω	Super Flexible Corrugated Cable 1/4"S
C15	50Ω	Super Flexible Corrugated Cable 7/8"S
E3	50Ω	RTK 008
H1	50Ω	RTK 013
K9	50Ω	RTK 048, RTK 049
M4	50Ω	RTK 031, RTK 032
N8	50Ω	LMR 200
N9	50Ω	LMR 400, TZC 50032
P7	75Ω	Flex 3
S3	75Ω	R1- T 2.0 LIXI 75K
S4	75Ω	ST 212
T6	75Ω	Tella TM 13
T7	75Ω	Flex 5/75
U1	50Ω	RTK 106, RTK 107
U5	50Ω	RTK 092
U7	50Ω	RTK 161, RTK 161- P, RTK 162, RTK 162- P
U8	50Ω	RTK 125
V2	75Ω	735 A, 02Y(St)CY 0.45/2.0
V4	75Ω	02XSC(ms)C6Y0.45/2.0; 02Y12Y(ms)C6X0.45/2.0
V6	75Ω	BT 3002, TZC 75024, TZC 75025
W7	50Ω	UT 70, UT 70 LL, AA 50070
W9	50Ω	UT 118
X1	50Ω	RG 178 B/U-d
Y4	50Ω	RTK 043, HF50 1.4/3.7 C
Y8	50Ω	RTK 057, TZC 50025

The overview contains our standard cable types and cable groups.
Please note that Rosenberger offers connectors for other cable types.