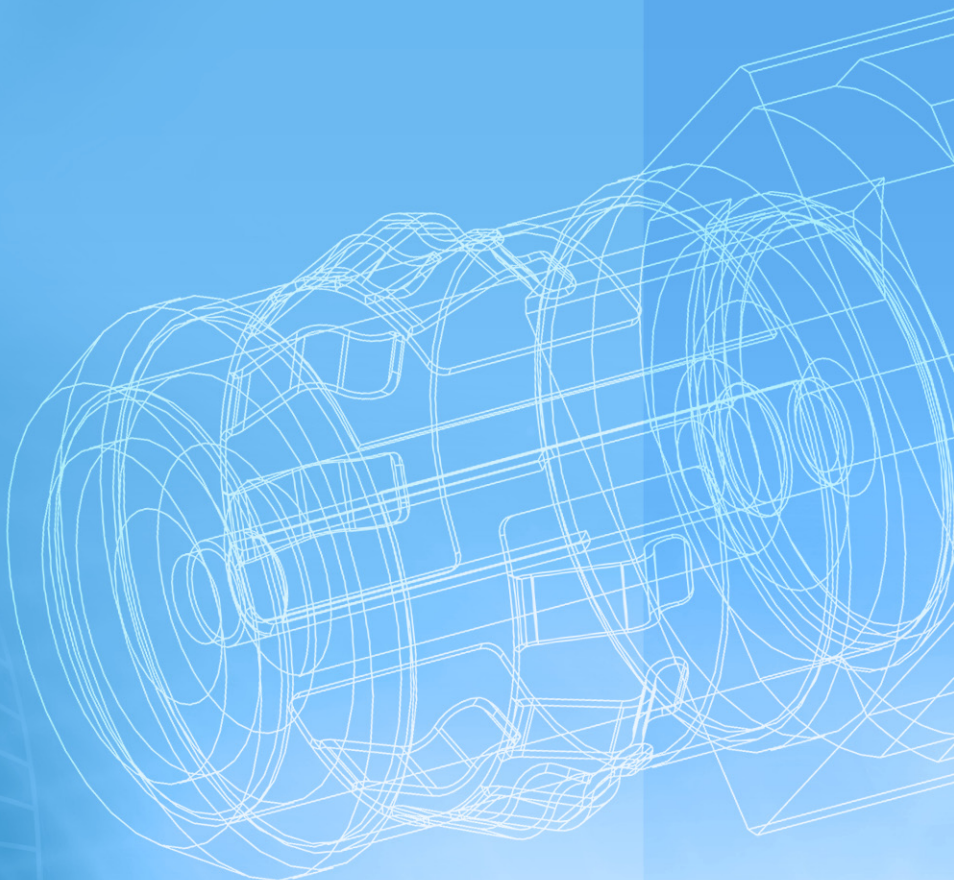


TEKPRE
G



Type G Connectors

Type G Connector Series

Description

Type G is a slide-on alternative to the Type F with 15A continuous current rating. All connectors comply with the MIL-STD-202 specification for vibration, shock, thermal shock, moisture resistance and salt spray. Since the Type G has an impedance of 75 Ω , it is ideal for CATV applications. This connector line consists of Bulkhead Mount Jack Receptacles and PCB Mount Jack Receptacles.

Features/Benefits

- Push-on blind mate capabilities using BeCu springs provide quick installation and multiple matings
- Version available with 15 Amp continuous current capability meets new generation equipment for HFC Networks (Hybrid Fiber Coax)
- Truly cylindrical coaxial contact provides superior RF performance and excellent insertion/withdrawal characteristics
- 30 dB return loss to 1 GHz with 10 Amp current capability. 20 dB return loss with 15 Amp version provides high performance.

Applications

- CATV
- Head End Equipment
- Components (Amplifiers)
- Hybrid Fiber Coax Networks
- Set Top Boxes

Type G Specifications

Electrical

Impedance	75 Ω
Frequency range	DC - 3 GHz
Return loss	30 dB @ DC - 1 GHz
RF-leakage	100 dB minimum @ 1 GHz

Mechanical

Mating	Push-on coupling
Braid/Jacket cable affixment	Hex crimp
Durability (matings)	100 cycles minimum

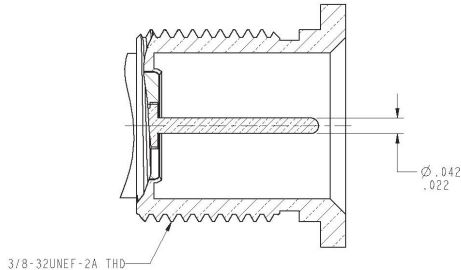
Environmental

Temperature range	-40°C to +140°C
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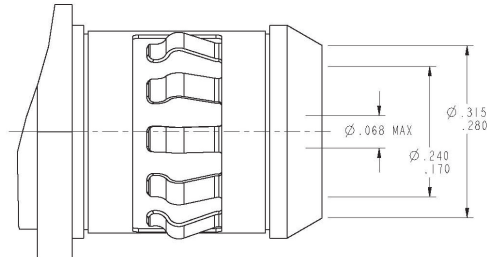
Material

Female contact	Beryllium copper or phosphor bronze, matte tin plated
Crimp ferrule	Copper or brass, nickel or matte tin plated
Other metal parts	Brass, nickel or tin plated
Insulator	PTFE

Plug



Jack



Receptacles

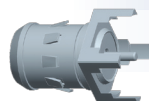
Straight Bulkhead Jacks



Part Number	Body	Plating		Terminal Type	Description
		Contact	Plating		
531-40065	Bright Acid Tin	Bright Acid Tin		Round	Panel Mount (Threaded)
531-40024	Bright Acid Tin	Silver		Round	Panel Mount (Threaded)
531-40131	Tin	Gold		Round	Panel Mount (Threaded)

Printed Circuit Board Connectors

Straight Jacks



Part Number	Body	Plating		Terminal Type
		Contact	Plating	
531-40051	Bright Acid Tin	Gold		Thru-Hole
531-40070	Tin	Gold		Thru-Hole

Straight Edge Mount Jacks



Part Number	Body	Plating		Terminal Type
		Contact	Plating	
531-40106	Tin	Tin		Round

Adapters

Straight Jack-Jack



Part Number	Body	Plating	
		Contact	Plating
531-40119	Bright Acid Tin	Bright Acid Tin	

Notes

Cable Group Listing

Cable Group	Cable Type
A	RG-178, 196
B	RG-174, 188A, 316, Belden 7805
B1	RG-179, 187, Belden 9221
B2	RD-188/U, RD-316/U
B3	RD-179/U, AT&T 19224L2
C	RG-58, 58A, 58C, 141, 303, LMR195, Belden 7806A, 9907
C1	RG-55, 142, 223, 400
C2	LMR200, Belden 7807A
D	RG-58/U Plenum, Thinnnet, RG-122/U, Belden 88240, 89907
E	RG-59, 62, 140, 210, Belden 8241, 8263, 8279, 9209
E1	RG-59/U 20 AWG center conductor, Belden 1426A, 1505A, 9100, 9278
E2	RD-59/U, Belden 8281, 9141, 9231
E3	RG-59/U Quad Shield, Belden 1152A
F	RG-59/U Plenum, Belden 1560A, 9259, 82259, 89259, 88241
F1	RG-59/U Plenum 20 AWG center conductor, Belden 82108
G1	RG-6, 143, 212
G2	8X, LMR240, Belden 7808A, 9258
G3	LMR400, Belden 7810A, 8214, 9913
G4	RG-8, 8A, 9, 87A, 213, 214, 225, 393
G5	RD-6/U
H	RG-11
H1	Belden 1694A, 9248
H2	Belden 1859A, 7731, 8213, 9292
H3	RG-54A/U
I	AT&T 734A, Belden 1505A
I2	AT&T 735A, Belden 735A1
J	Quad 59 headend cable
K	LMR600
K2	Belden 1695A
K3	RG-122, 180, 195, Belden 1855, 1865A, 8218
L	.141 semi-rigid, RG-402/U
L2	.085, .086, .087 semi-rigid, RG-405/U
L3	.250 semi-rigid
L4	.047 semi-rigid, Belden 1674
M	1/2 inch annular corrugated
M1	1 1/4 inch annular corrugated
M2	1 5/8 inch annular corrugated
M3	7/8 inch annular corrugated
N	1/4 Helical
N1	3/8 Helical
N2	1/2 Helical
N3	7/8 inch SFC
P1	.81 mm OD micro-cable
P2	1.13 mm OD micro-cable, TCB-068
P3	1.32 mm OD micro-cable
P4	1.37 mm OD micro-cable