



1.0/2.3 Series

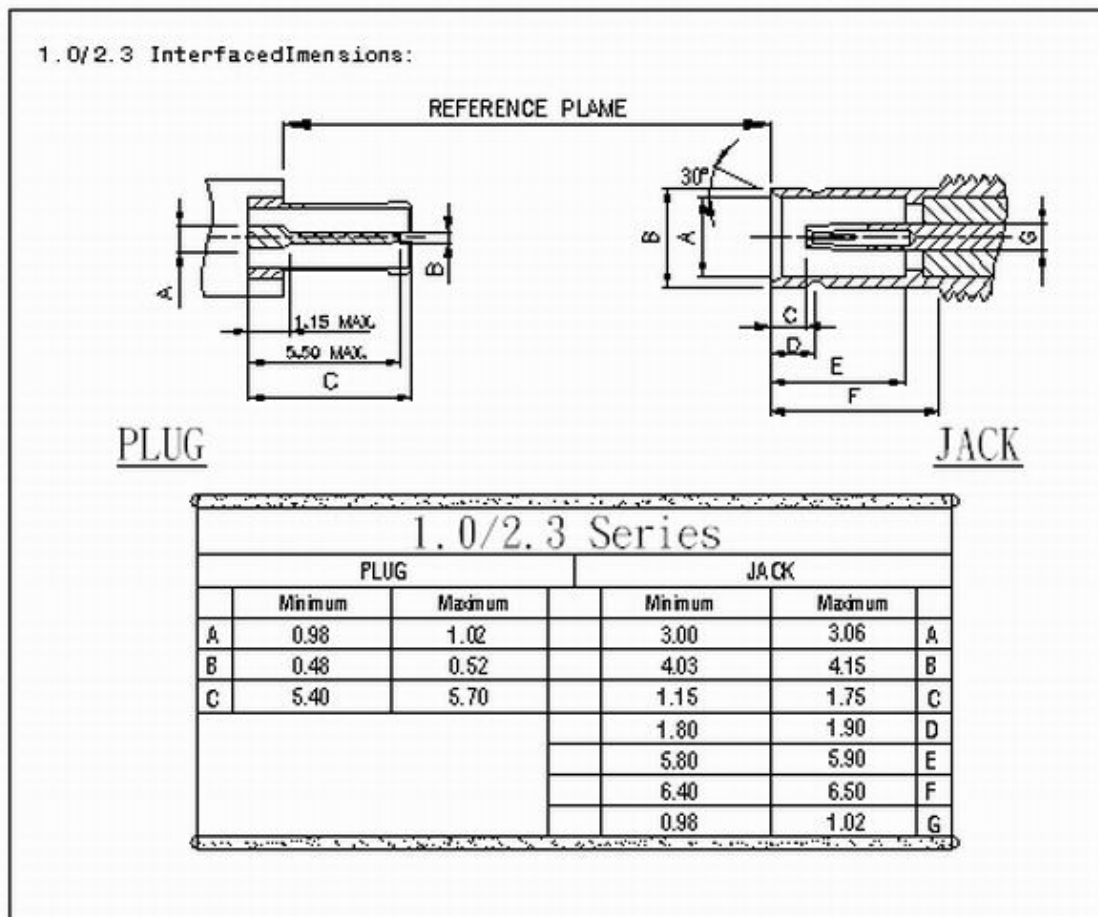
1.0/2.3 Series

1.0/2.3 Series

1.0/2.3 series is supplied with three plug types: Screw-on coupling (for vibration environment), quick-lock coupling (for rapid connection / disconnection), and slid-on coupling (for rack and panel systems). Especially, the female styles will mate all male versions. This series is available for the impedance of both 50 ohm and 75 ohm, which can be operated respectively up to 4GHz and 2GHz. 1.0/2.3 connectors are suitable for the standard ranges of flexible / semi-rigid cables, and also accessible as a PCB mounted version.

Applications:

*transmission system *telecommunication equipment





Materials :

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass Female: Beryllium copper	Gold
Insulator	Teflon	N/A
Crimp ferrule	Annealed copper	Nickel or Gold

Electrical :

Electrical Data	Detail		
Impedance	50 ohm/75ohm		
Frequency range	10GHz/2GHz		
Working voltage	RG178/U → 250 volts rms max. at sea level RG316/U, 405 → 335 volts rms max. at sea level		
Insulation resistance	>200m milliohms		
Dielectric withstanding voltage	RG178/U → 750 volts rms min. at sea level RG316, 405 → 1,000 volts rms min. at sea level		
Contact resistance	Center contact: <4 milliohms Outer contact: <2.5 milliohms		
VSWR: f (GHz)		Straight	Right angle
	RG178/U	1.3+0.04f	1.45+0.06f
	RG316/U, 405	1.25+0.04f	1.35+0.04f
Insertion loss	0.3dB max. (straight)		
	0.6dB max. (right angle)		

Mechanical :

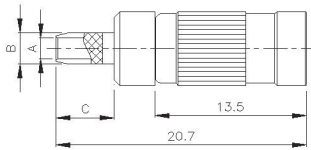
Mechanical Data	Detail
Engagement force	2.3 lbs max.
Disengagement force	2.3 lbs max.
Connector durability	500 cycles min.
Cable retention force	RG178/U → 10 lbs
	RG316/U → 20 lbs
	RG405 → 30 lbs

Environmental :

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 CONDITION B
Vibration	MIL-STD-202 METHOD 204 CONDITION B
Mechanical shock	MIL-STD-202 METHOD 213 CONDITION B

1.0/2.3 STRAIGHT PLUG CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

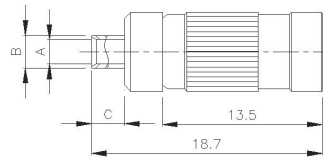


PART NUMBER:

1023-01G-TGN	RG-59/U
1023-01N-TGN	RG-179/U
1023-01LV1-TGN	RG-174,316/U
1023-01M-TGN	RG-178/U
1023-01V1B-TGN	2Y-CY
1023-01V1C-TGN	ST-212

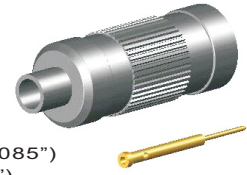


SOLDER FOR SEMI-RIGID CABLE



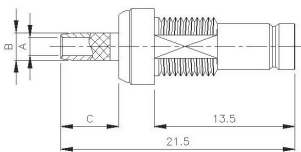
PART NUMBER:

1023-01V1-TGN	RG-405/U(.085")
1023-01V3-TGN	UT-47(.047")



1.0/2.3 STRAIGHT JACK CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

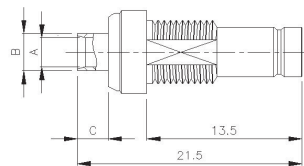


PART NUMBER:

1023-02G-TGN	RG-59/U
1023-02N-TGN	RG-179/U
1023-02LV1-TGN	RG-174,316/U
1023-02M-TGN	RG-178/U
1023-02V1B-TGN	2Y-CY
1023-02V1C-TGN	ST-212



SOLDER FOR SEMI-RIGID CABLE



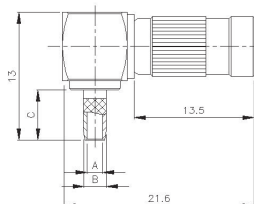
PART NUMBER:

1023-02V1-TGN	RG-405/U(.085")
1023-02V3-TGN	UT-47(.047")



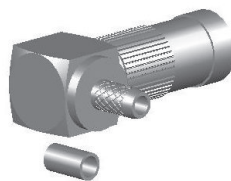
1.0/2.3 ANGLE PLUG CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

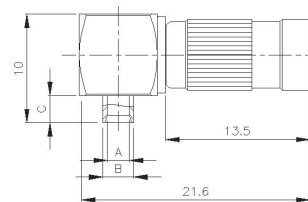


PART NUMBER:

1023-03G-TGN	RG-59/U
1023-03N-TGN	RG-179/U
1023-03LV1-TGN	RG-174,316/U
1023-03M-TGN	RG-178/U
1023-03V1B-TGN	2Y-CY
1023-03V1C-TGN	ST-212

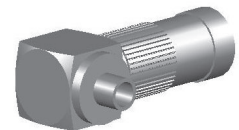


SOLDER FOR SEMI-RIGID CABLE



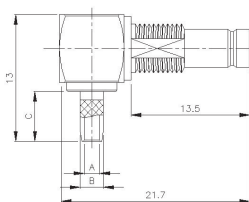
PART NUMBER:

1023-03V1-TGN	RG-405/U(.085")
1023-03V3-TGN	UT-47(.047")



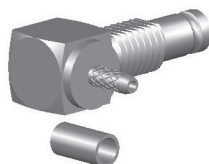
1.0/2.3 ANGLE JACK CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

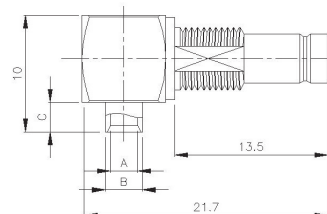


PART NUMBER:

1023-04G-TGN	RG-59/U
1023-04N-TGN	RG-179/U
1023-04LV1-TGN	RG-174,316/U
1023-04M-TGN	RG-178/U
1023-04V1B-TGN	2Y-CY
1023-04V1C-TGN	ST-212

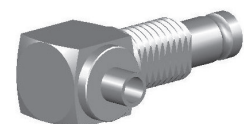


SOLDER FOR SEMI-RIGID CABLE



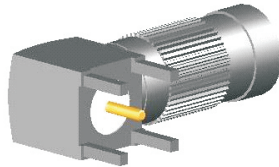
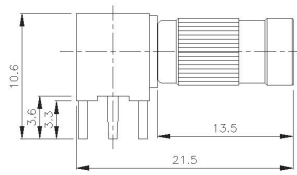
PART NUMBER:

1023-04V1-TGN	RG-405/U(.085")
1023-04V3-TGN	UT-47(.047")



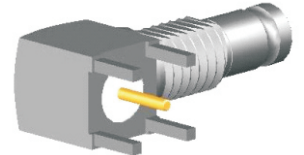
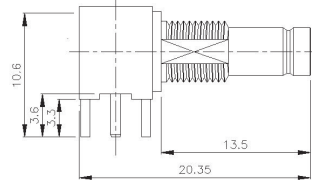


1.0/2.3 ANGLE PLUG FOR PCB MOUNT



PART NUMBER:
1023-05-TGN

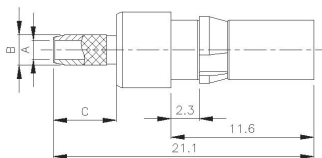
1.0/2.3 ANGLE JACK FOR PCB MOUNT



PART NUMBER:
1656-06-TGN

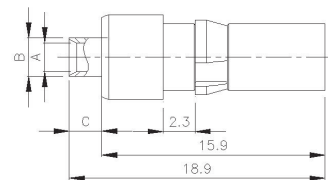
1.0/2.3 STRAIGHT PLUG CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE



PART NUMBER:
1023-07G-TGN RG-59/U
1023-07N-TGN RG-179/U
1023-07LV1-TGN RG-174,316/U
1023-07M-TGN RG-178/U
1023-07V1B-TGN 2Y-CY
1023-07V1C-TGN ST-212

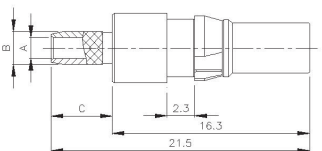
SOLDER FOR SEMI-RIGID CABLE



PART NUMBER:
1023-07V1-TGN RG-405/U(.085")
1023-07V3-TGN UT-47(.047")

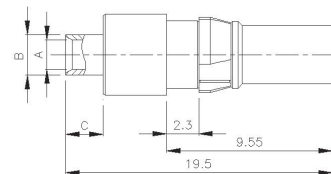
1.0/2.3 STRAIGHT JACK CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE



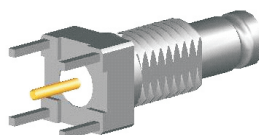
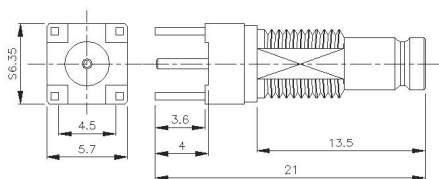
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1023-08G-TGN RG-59/U
1023-08N-TGN RG-179/U
1023-08LV1-TGN RG-174,316/U
1023-08M-TGN RG-178/U
1023-08V1B-TGN 2Y-CY
1023-08V1C-TGN ST-212

SOLDER FOR SEMI-RIGID CABLE



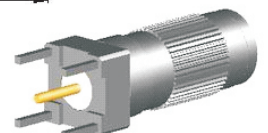
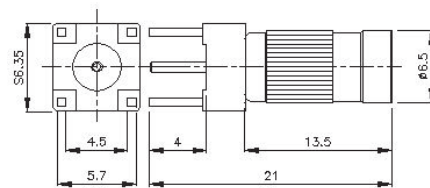
PART NUMBER:
1023-08V1-TGN RG-405/U(.085")
1023-08V3-TGN UT-47(.047")

1.0/2.3 STRAIGHT JACK FOR PCB MOUNT



PART NUMBER:
1023-09-TGN

1.0/2.3 STRAIGHT PLUG FOR PCB MOUNT

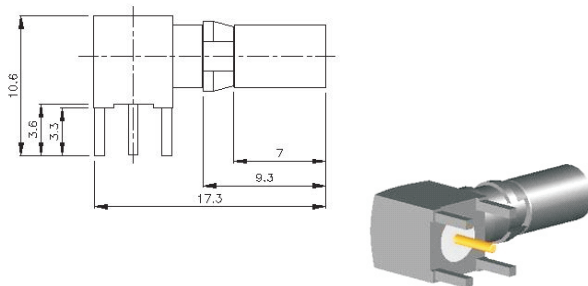


PART NUMBER:
1023-10-TGN

1.0/2.3

1.0/2.3 ANGLE PLUG PCB MOUNT

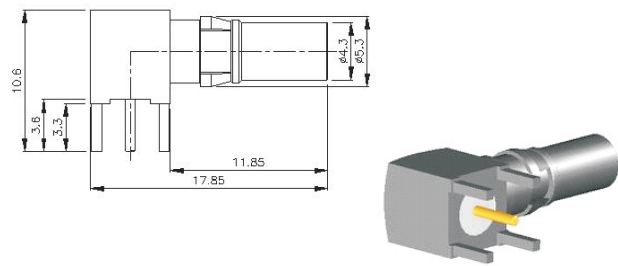
FOR PRINTED CIRCUIT BOARD



PART NUMBER:
1023-12-TGN
1023-12-TGN-75 (75Ohm)

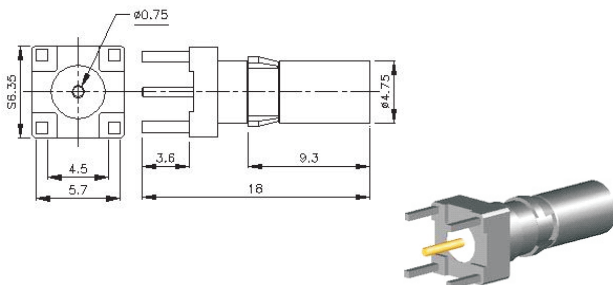
1.0/2.3 ANGLE JACK PCB MOUNT

FOR PRINTED CIRCUIT BOARD



PART NUMBER:
1023-13-TGN
1023-13-TGN-75 (75Ohm)

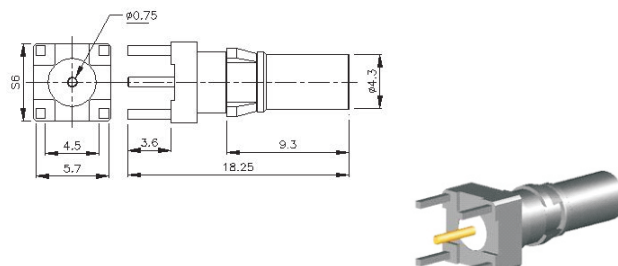
1.0/2.3 STRAIGHT PLUG PCB MOUNT



PART NUMBER:
1023-14-TGN
1023-14-TGN-75 (75Ohm)

1.0/2.3 STRAIGHT JACK PCB MOUNT

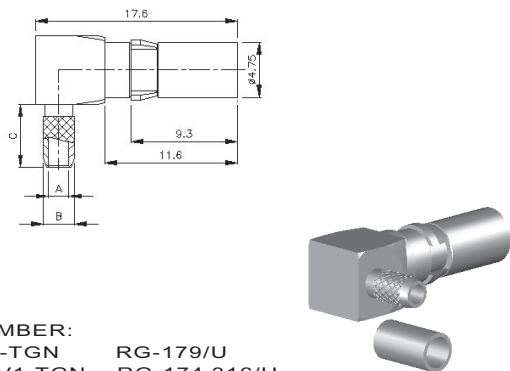
SOLDER FOR SEMI-RIGID CABLE



PART NUMBER:
1656-15-TGN
1656-15-TGN-75 (75Ohm)

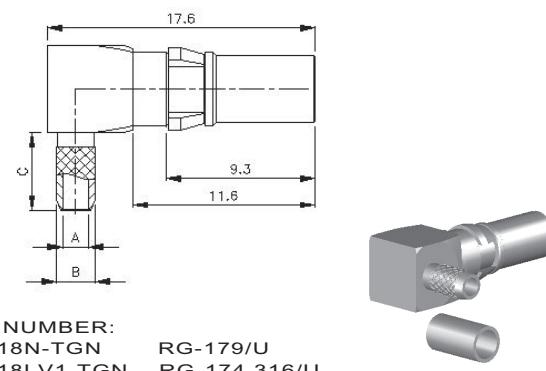
1.0/2.3 ANGLE CRIMP FOR FLEXIBLE CABLE

PLUG



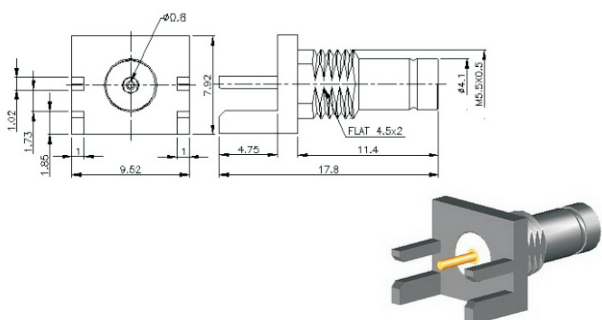
PART NUMBER:
1023-16N-TGN RG-179/U
1023-16LV1-TGN RG-174,316/U

JACK

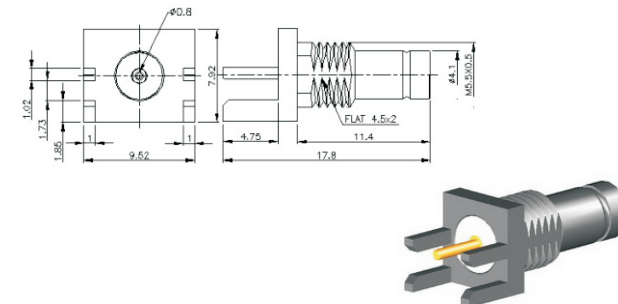


PART NUMBER:
1023-18N-TGN RG-179/U
1023-18LV1-TGN RG-174,316/U

1.0/2.3 STRAIGHT JACK END LAUNCH



PART NUMBER: BOARD THICKNESS
1023-19-TGG 1.57mm
1023-19V5-TGG 1.07mm
1023-19V6-TGG 1.19mm



PART NUMBER: BOARD THICKNESS
1023-19V7-TGG 1.57mm
1023-19V8-TGG 1.07mm
1023-19V9-TGG 1.19mm

1.0/2.3



1.0/2.3 ANGLE PLUG FOR PCB MOUNT

PART NUMBER:
1023-05-TGN

1.0/2.3 ANGLE JACK FOR PCB MOUNT

PART NUMBER:
1656-06-TGN

1.0/2.3 STRAIGHT PLUG CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

SOLDER FOR SEMI-RIGID CABLE

1.0/2.3 STRAIGHT JACK CRIMP FOR CABLE TYPE

CRIMP FOR FLEXIBLE CABLE

SOLDER FOR SEMI-RIGID CABLE

PART NUMBER:
1023-08V1-TGN RG-405/U(.085")
1023-08V3-TGN UT-47(.047")

1.0/2.3 STRAIGHT JACK FOR PCB MOUNT

PART NUMBER:
1023-09-TGN

1.0/2.3 STRAIGHT PLUG FOR PCB MOUNT

PART NUMBER:
1023-10-TGN

1.0/2.3