

A

B

<http://www.sz-signal.com>

C

D

E

F

NOTICE:

ALL PARTS MUST MEET
TO RoHS REQUIREMENTS

REV.

DESCRIPTION

ECN NO.

NAME

DATE

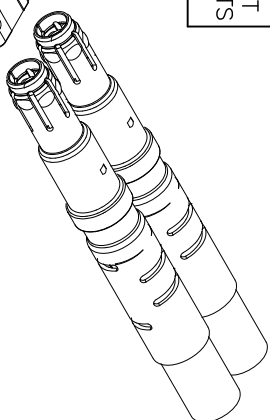
AO

FIRST EDITION

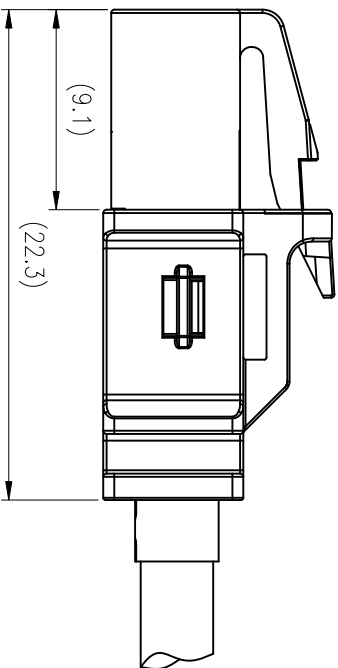
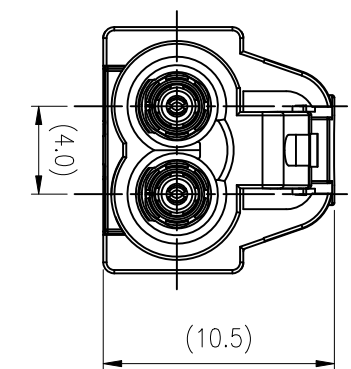
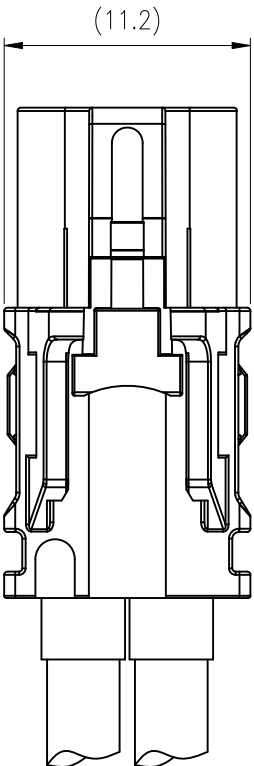
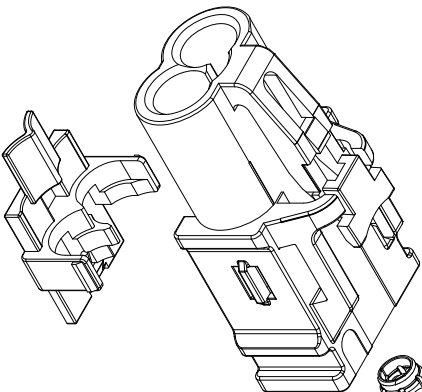
N/A

XU

2025/07/28



ORDER NO.	CABLE TYPE
805030-00-030	RG174
805030-00-031	RTK031



NOTES:

- Material and plating: SEE TABLE
- Electrical data:
 - Impedance: 50 Ω
 - Frequency: DC to 9 GHz
 - Return loss: ≥ 20 dB (DC to 3 GHz)
 ≥ 14 dB (3 to 6 GHz)
 ≥ 11 dB (6 to 9 GHz)
 - Insertion loss: ≤ 0.1 x f(GHz) dB
 - Insulation resistance: 1000 M Ω MIN.
 - Center contact resistance: 15 m Ω MAX
 - Outer contact resistance: 5 m Ω MAX
 - Test voltage: 750 V rms
 - Working voltage: 60 V rms
 - Power current: ≤ 1 A DC
- Mechanical data:
 - Mating cycles: ≥ 25
 - Engagement force: ≤ 15 N
 - Retention force latch: ≥ 110 N
 - Coding efficiency: ≥ 150 N
- Environmental data
 - Temperature range: -40°C TO $+105^{\circ}\text{C}$

TABLE:

ITEM	PART NAME	MATERIAL	PLATING/COLOR	QTY
5	Crimping ferrule	COPPER ALLOY	TIN	2
4	Outer contact	COPPER ALLOY	TIN	2
3	Dielectric	PP	WHITE	2
2	Center contact	COPPER ALLOY	GOLD/TIN	2
1	Housing	PBT	SEE SHEET 2	1

SIGNAL® RF

CUSTOMER P/N:

TITLE:
MINI FAKRA FEMALE(R-MF) FOR RG174, RTK031
CONNECTOR (Double)

DRAWING NO.

TOLERANCES ARE:
DECIMALES ANGLES

ORDER NO. 805030-00-030~031

x ± 0.5 x° $\pm 5.0^{\circ}$
.xx ± 0.3 .x° $\pm 3.0^{\circ}$

THIRD ANGLE PROJECTION

UNITS: mm
SHEET: 1 OF 3
SIZE: A4

A

B

<http://www.signal-connector.com>

C

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