

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

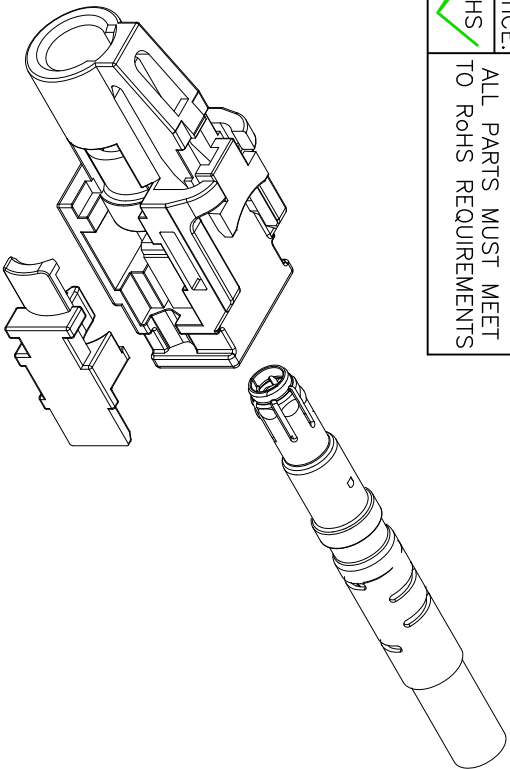
FIRST EDITION

N/A

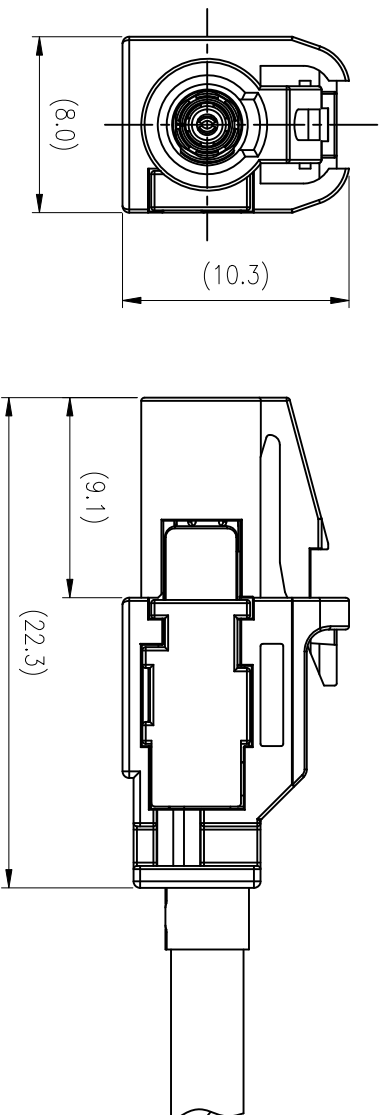
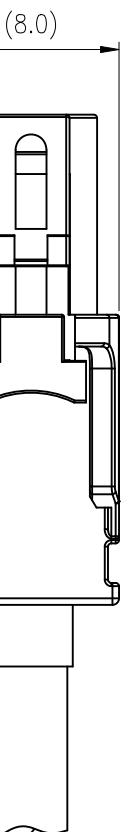
XU

2025/07/28

RoHS



ORDER NO.	CABLE TYPE
805030-00-028	RG174
805030-00-029	RTK031



NOTES:

1. Material and plating: SEE TABLE

2. Electrical data:

2.1. Impedance: 50 Ω

2.2. Frequency: DC to 9 GHz

2.3. Return loss: ≥ 20 dB (DC to 3 GHz)

≥ 14 dB (3 to 6 GHz)

≥ 11 dB (6 to 9 GHz)

2.4. Insertion loss: $\leq 0.1 \times f(\text{GHz})$ dB

2.5. Insulation resistance: 1000 M Ω MIN.

2.6. Center contact resistance: 15 m Ω MAX

2.7. Outer contact resistance: 5 m Ω MAX

2.8. Test voltage: 750 V rms

2.9. Working voltage: 60 V rms

2.9. Power current: ≤ 1 A DC

3. Mechanical data:

3.1 Mating cycles: ≥ 25

3.2 Engagement force: ≤ 15 N

3.3 Retention force latch: ≥ 110 N

3.4 Coding efficiency: ≥ 150 N

4. Environmental data

4.1 Temperature range: -40°C TO $+105^{\circ}\text{C}$

TABLE:

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



APPROVED: CUSTOMER P/N:

CHECKED: REV.: AO

CHECKED: SCALE: 3:1

DRAWING: DATE: 2025-07-28

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

DRAWING NO.

ORDER NO. 805030-00-028~029

THIRD ANGLE PROJECTION

TOLERANCES ARE:

DECIMALES ANGLES

X ± 0.5 X $\pm 5.0^{\circ}$
XX ± 0.3 XX $\pm 3.0^{\circ}$

UNITS: mm
SHEET: 1 OF 3

SIZE: A4

A

B

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



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