

NOTICE:
RoHS

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

CUSTOMER OUTLINE DRAWING

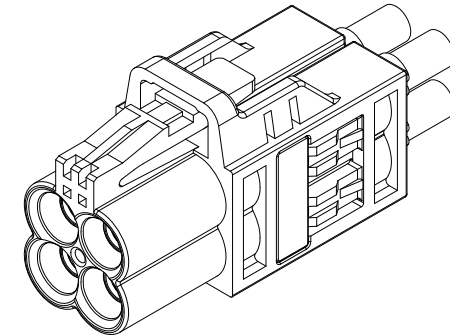
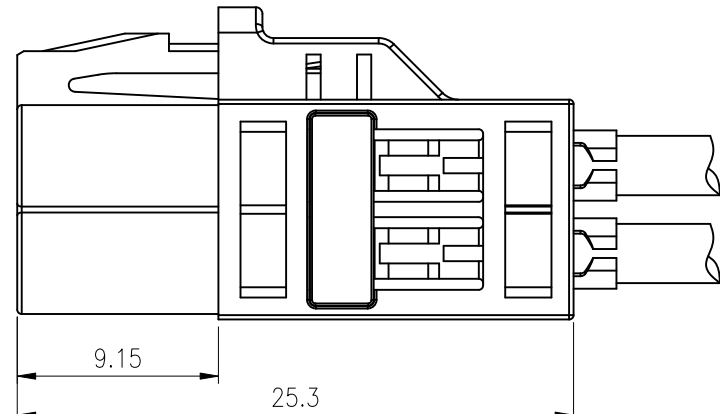
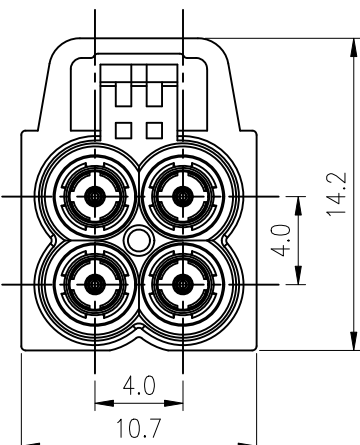
REV. A0

DESCRIPTION FIRST EDITION

ECN NO. N/A

NAME XU

DATE 2025/07/28



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: ≤ 0.1 x f(GHz) dB

2.5. Insulation resistance: 1000 MΩ MIN.

2.6. Center contact resistance: 15 mΩ MAX

2.7. Outer contact resistance: 5 mΩ 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°C

TABLE:

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



APPROVED:

CUSTOMER P/N:

CHECKED:

REV. : A0

CHECKED:

SCALE: 3:1

DRAWING:

DATE: 2025-07-28

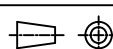
TITLE:
MINI FAKRA FEMALE(R-MF) FOR RG174、RTK031
CONNECTOR (Quad)

DRAWING NO.

TOLERANCES ARE:
DECIMALES ANGLES
.x ±0.5 x.° ±5.0°
.xx ±0.3 x.° ±3.0°

ORDER NO.
805030-00-012~013

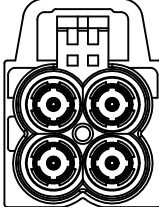
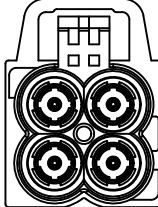
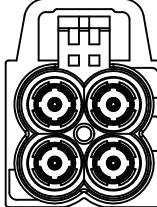
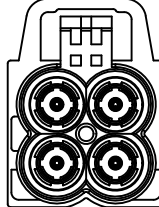
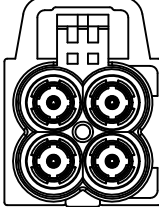
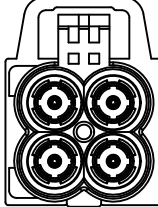
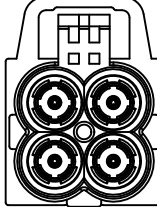
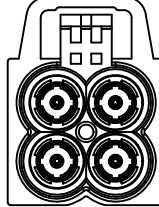
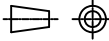
THIRD ANGLE
PROJECTION

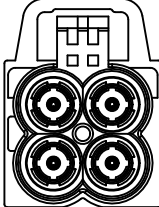
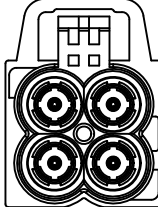
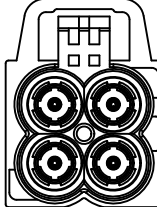
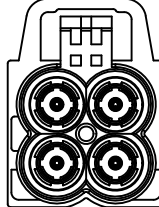
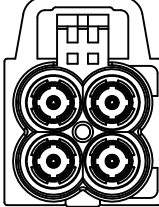
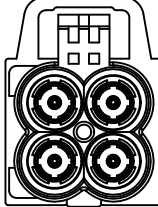
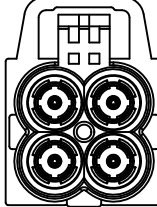
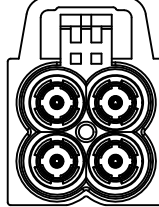
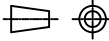


UNITS: mm

SHEET: 1 OF 3

SIZE: A4

A		B		http://www.sz-signal.com		C		D		E		F																																																	
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