

NOTICE:
RoHS

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

CUSTOMER OUTLINE DRAWING

REV.

DESCRIPTION

ECN NO.

NAME

DATE

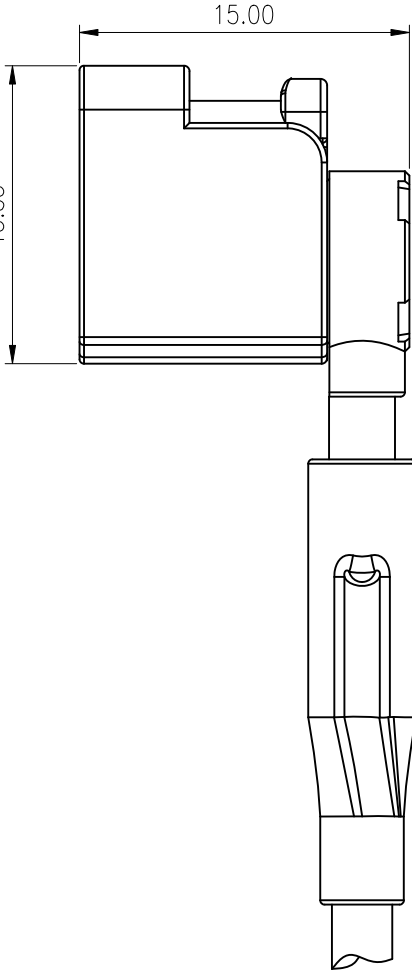
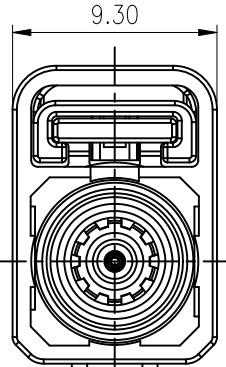
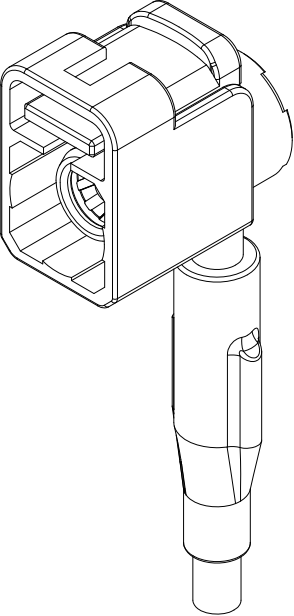
A0

FIRST EDITION

N/A

XU

2025/07/28



NOTES:

1. Material and plating: SEE TABLE

2. Electrical data:

2.1. Impedance: 50 Ω

2.2. Frequency: DC to 6 GHz

2.3. Return loss: ≥15.56 dB (DC to 2 GHz)
≥13.98 dB (2 to 3 GHz)
≥12.74 dB (3 to 6 GHz)

2.4. Insertion loss: ≤ 0.1 x f(GHz) dB

2.5. Insulation resistance: 1000 MΩ MIN.

2.6. Center contact resistance: 5 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: ≤25 N

3.3 Retention force plastic housing:≥ 110 N

3.4 Coding efficiency: ≥ 40 N

4. Environmental data

4.1 Temperature range: -40°C TO +105°C

4.2 Waterproof level: IP67

4.3 VIBRATION STANDARD: V1(USCAR-2)

TABLE:

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



APPROVED:

CHECKED:

CHECKED:

DRAWING:

CUSTOMER P/N:

REV. : A0

SCALE: 3:1

DATE: 2025-07-28

TITLE:
FAKRA FEMALE FOR RG174、RTK031 CONNECTOR
Right Angle,Waterproof

DRAWING NO.

ORDER NO.

THIRD ANGLE PROJECTION

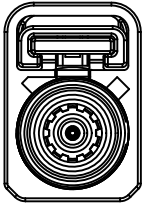
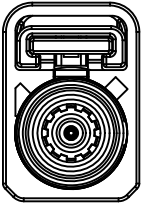
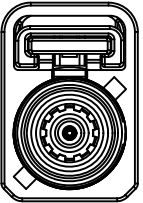
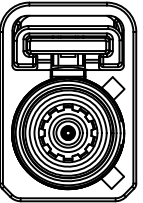
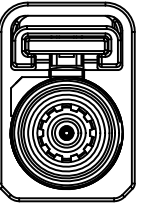
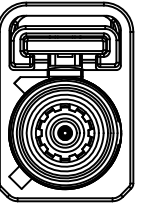
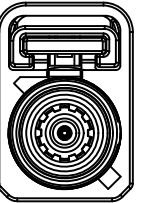
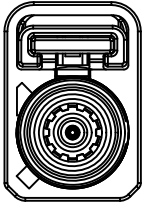
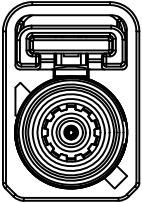
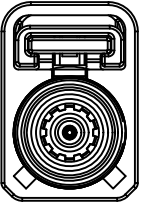
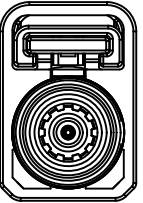
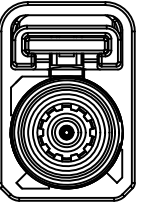
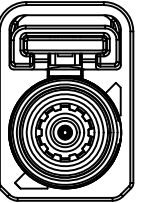
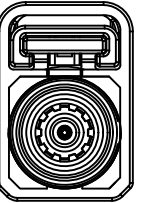
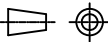
TOLERANCES ARE:
DECIMALES ANGLES
.x ±0.5 x.° ±5.0°
.xx ±0.3 x.° ±3.0°

UNITS: mm

SHEET: 1 OF 3

SIZE: A4

F

A		B		http://www.sz-signal.com		C		D		E		F			
NOTICE: RoHS		ALL PARTS MUST MEET TO RoHS REQUIREMENTS		CUSTOMER OUTLINE DRAWING		REV. A0		DESCRIPTION FIRST EDITION		ECN NO. N/A		NAME XU		DATE 2023/08/23	
 CODE A  CODE B  CODE C  CODE D  CODE E  CODE F  CODE G  CODE H  CODE I  CODE K  CODE L  CODE M  CODE N  CODE Z															
RTK031/Dacar302 CABLE:															
Z				Waterblue		sim. 5021		805020-00-033-Z							
N				Pastel green		sim. 6019		805020-00-033-N							
M				Pastel orange		sim. 2003		805020-00-033-M							
L				Carmine red		sim. 3002		805020-00-033-L							
K				Curry		sim. 1027		805020-00-033-K							
I				Beige		sim. 1001		805020-00-033-I							
H				Violet		sim. 4003		805020-00-033-H							
G				Grey		sim. 7031		805020-00-033-G							
F				Brown		sim. 8011		805020-00-033-F							
E				Green		sim. 6002		805020-00-033-E							
D				Bordeauxviolet		sim. 4004		805020-00-033-D							
C				Blue		sim. 5005		805020-00-033-C							
B				White		sim. 9001		805020-00-033-B							
A				Black		sim. 9005		805020-00-033-A							
CODING				COLOR		RAL		ORDER NO.							
										TITLE: FAKRA FEMALE FOR RTK031/Dacar302 CONNECTOR Right Angle,Waterproof					
APPROVED:										CUSTOMER P/N:					
CHECKED:										REV. : A0					
CHECKED:										SCALE: 3:1					
DRAWING:										DATE: 2025-07-28					
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ORDER NO. SEE TABLE															
THIRD ANGLE PROJECTION 										UNITS: mm SHEET: 3 OF 3					
										SIZE: A4					
A		B		http://www.signal-connector.com		C		D		E		F			