

1

2

3

4

5

6

7

8

A

B

C

D

E

F

http://www.sz-signal.com

http://www.signal-connector.com

NOTICE:
RoHS

ALL PARTS MUST MEET TO RoHS REQUIREMENTS

CUSTOMER OUTLINE DRAWING

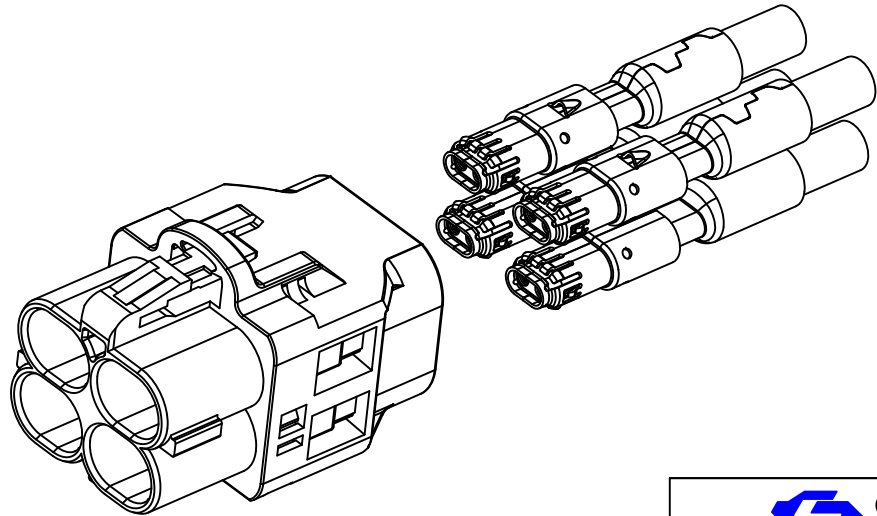
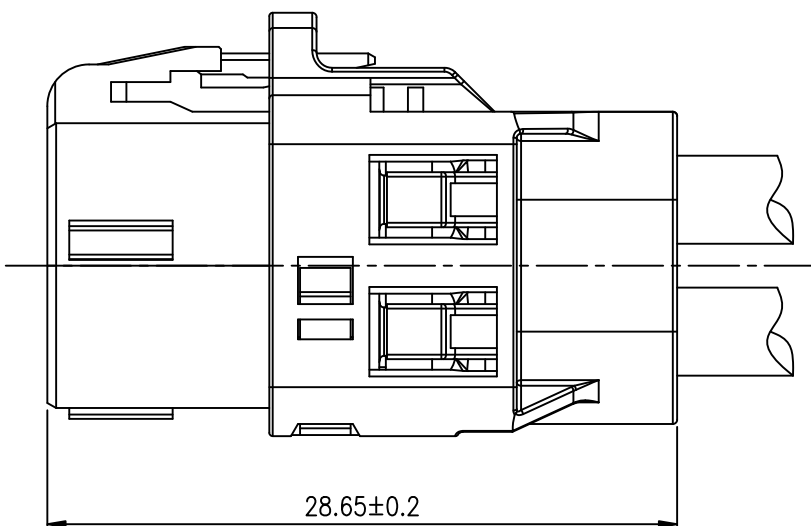
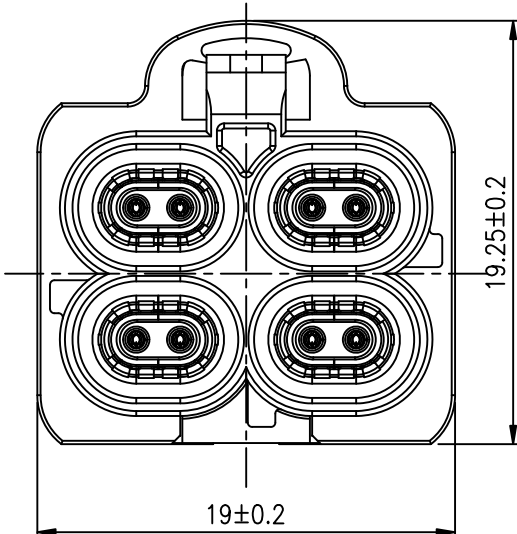
REV.
A0

DESCRIPTION
FIRST EDITION

ECN NO.
N/A

NAME
XU

DATE
2025/08/19



NOTES:

1. Material and plating: SEE TABLE

2. Electrical data:

2.1. Impedance: 100 Ω

2.2. Frequency: DC to 4 GHz

2.3. Return loss:
$$\geq \begin{pmatrix} 25 & f & 1 \leq f < 1500 \\ 25 - 16.6 \log_{10} \left(\frac{f}{1500} \right) & 1500 \leq f < 3000 & 3000 \leq f < 4000 \end{pmatrix} \text{ dB}$$

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

2.5. Insulation resistance: 100 MΩ MIN.

2.6. Center contact resistance: 10 mΩ MAX

2.7. Outer contact resistance: 7.5 mΩ MAX

2.8. Working voltage: 60 V rms

2.9. Power current: ≤ 1.5 A DC

3. Mechanical data:

3.1 Mating cycles: ≥ 25

3.2 Engagement force: ≤ 20 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	Crimp sleeve	Steel	N/A	4
4	Outer contact	COPPER ALLOY	TIN	4
3	Center contact	COPPER ALLOY	GOLD/TIN	8
2	Dielectric	PBT	N/A	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:
2025-08-19

TITLE:
Ethernet(R-ETH) Quad,Straight Jack

DRAWING NO.

TOLERANCES ARE:
DECIMALES ANGLES

ORDER NO.
805040-00-011

.x ±0.5 x.° ±5.0°
.xx ±0.3 x.° ±3.0°

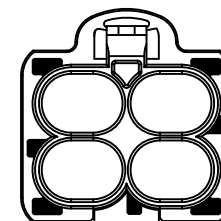
THIRD ANGLE
PROJECTION

UNITS: mm
SHEET: 1 OF 2

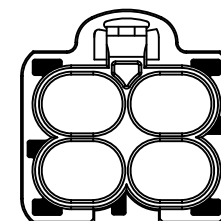
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DATE _____

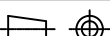
2025/08/09



CODE Z (neutral coding
for coding A – F)



CODE O (neutral coding
for coding A – F)

TITLE: Ethernet(R-ETH) Double,Straight Plug PCB Connector		
DRAWING NO.	TOLERANCES ARE: DECIMALES ANGLES	
ORDER NO.	.x ±0.5 x.° ±5.0°	
SEE TABLE	.xx ±0.3 .x° ±3.0°	
THIRD ANGLE PROJECTION		UNITS: mm
		SHEET: 2 OF 2
		SIZE: A4