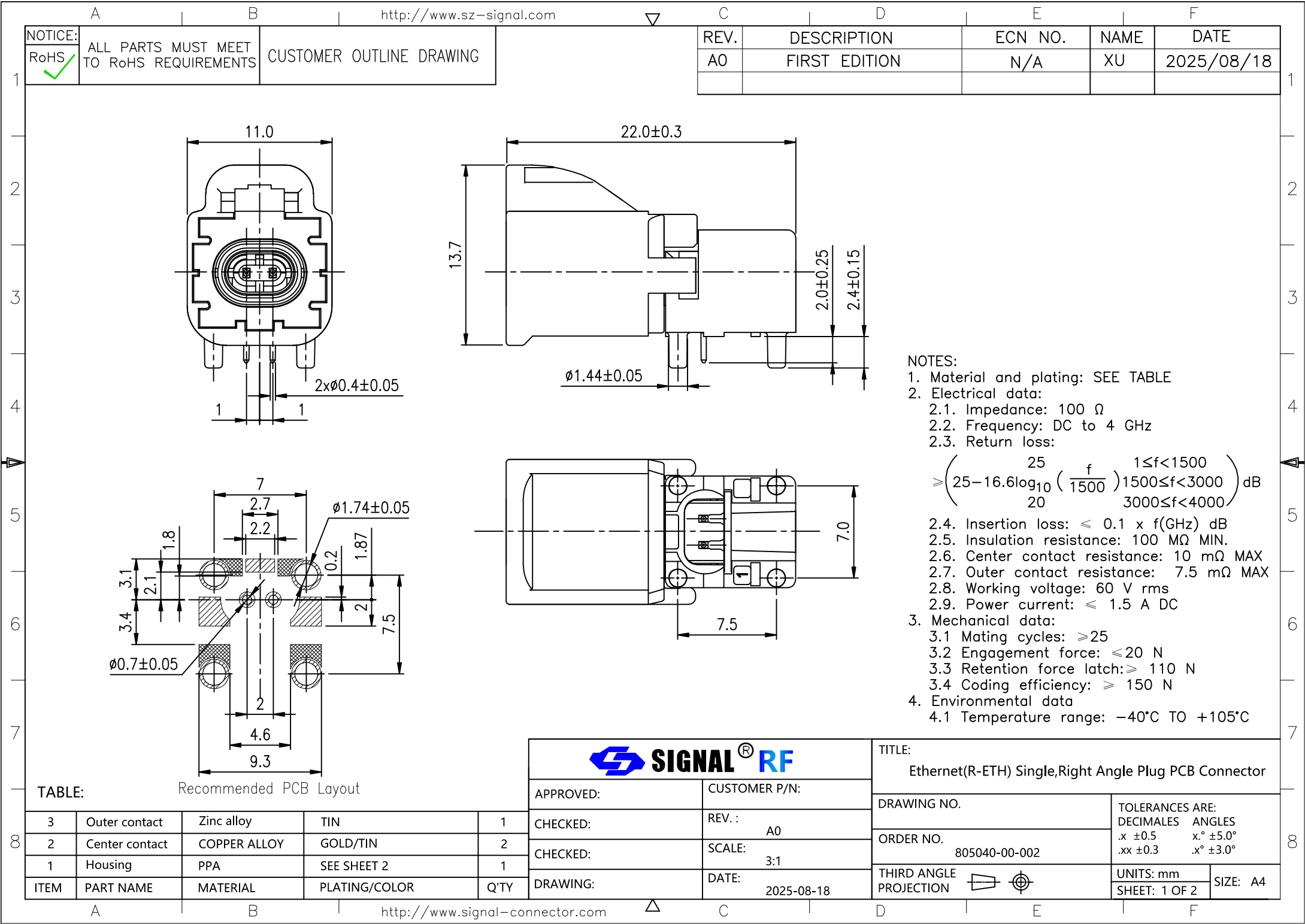




NOTICE: ALL PARTS MUST MEET TO RoHS REQUIREMENTS CUSTOMER OUTLINE DRAWING

REV.	DESCRIPTION	ECN NO.	NAME	DATE
A0	FIRST EDITION	N/A	XU	2025/08/18

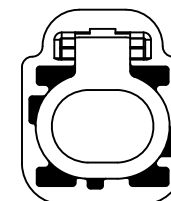
- NOTES:
- Material and plating: SEE TABLE
 - Electrical data:
 - Impedance: 100 Ω
 - Frequency: DC to 4 GHz
 - Return loss:
$$\geq \begin{cases} 25 & 1 \leq f < 1500 \\ 25 - 16.6 \log_{10} \left(\frac{f}{1500} \right) & 1500 \leq f < 3000 \\ 20 & 3000 \leq f < 4000 \end{cases} \text{ dB}$$
 - Insertion loss: $\leq 0.1 \times f(\text{GHz}) \text{ dB}$
 - Insulation resistance: 100 MΩ MIN.
 - Center contact resistance: 10 mΩ MAX
 - Outer contact resistance: 7.5 mΩ MAX
 - Working voltage: 60 V rms
 - Power current: $\leq 1.5 \text{ A DC}$
 - Mechanical data:
 - Mating cycles: ≥ 25
 - Engagement force: $\leq 20 \text{ N}$
 - Retention force latch: $\geq 110 \text{ N}$
 - Coding efficiency: $\geq 150 \text{ N}$
 - Environmental data
 - Temperature range: $-40^{\circ}\text{C TO } +105^{\circ}\text{C}$

TABLE: Recommended PCB Layout

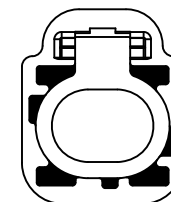
3	Outer contact	Zinc alloy	TIN	1
2	Center contact	COPPER ALLOY	GOLD/TIN	2
1	Housing	PPA	SEE SHEET 2	1
ITEM	PART NAME	MATERIAL	PLATING/COLOR	Q'TY

SIGNAL [®] RF		TITLE: Ethernet(R-ETH) Single, Right Angle Plug PCB Connector		
APPROVED:		CUSTOMER P/N:		
CHECKED:		REV.: A0		
CHECKED:		SCALE: 3:1		
DRAWING:		DATE: 2025-08-18		
DRAWING NO.		TOLERANCES ARE: DECIMALES ANGLES .x ±0.5 x.° ±5.0° .xx ±0.3 x.° ±3.0°		
ORDER NO. 805040-00-002		THIRD ANGLE PROJECTION		
UNITS: mm SHEET: 1 OF 2		SIZE: A4		

2025/08/18



CODE Z(neutral coding
for coding A – F)



CODE O(neutral coding
for coding G – M)

		TITLE: Ethernet(R-ETH) Single,Right Angle Plug PCB Connector	
APPROVED:	CUSTOMER P/N:	DRAWING NO.	TOLERANCES ARE:
CHECKED:	REV. : A0		DECIMALES ANGLES
CHECKED:	SCALE: 4:1	ORDER NO. SEE TABLE	.x ±0.5 x.° ±5.0° .xx ±0.3 .x° ±3.0°
DRAWING:	DATE: 2025-08-18	THIRD ANGLE PROJECTION	UNITS: mm
			SHEET: 2 OF 2
			SIZE: A4