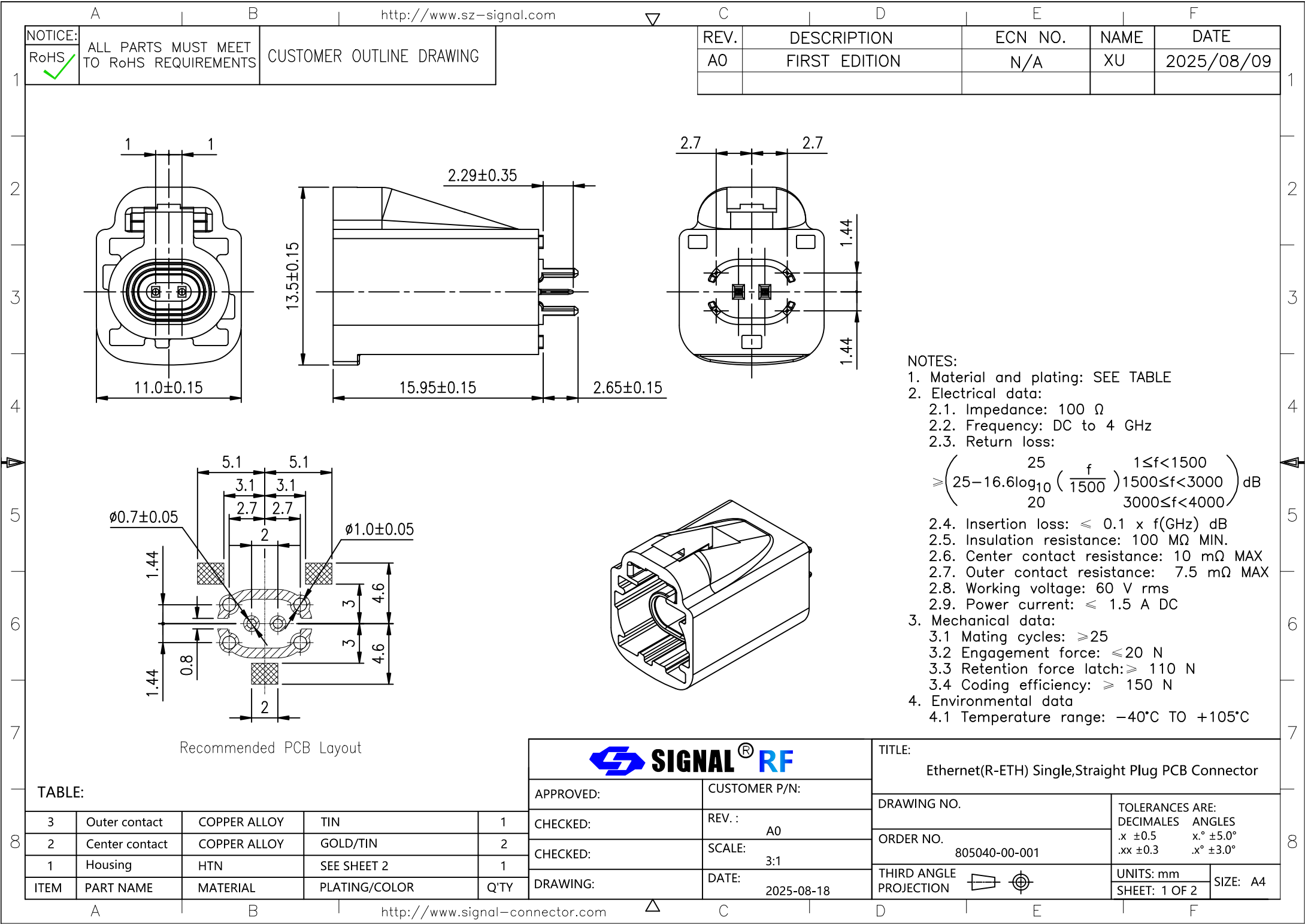




NOTICE: ALL PARTS MUST MEET TO RoHS REQUIREMENTS

CUSTOMER OUTLINE DRAWING

REV.	DESCRIPTION	ECN NO.	NAME	DATE
A0	FIRST EDITION	N/A	XU	2025/08/09

- 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:

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

SIGNAL [®] RF		TITLE:	
APPROVED:		CUSTOMER P/N:	
CHECKED:		REV. : A0	
CHECKED:		SCALE: 3:1	
DRAWING:		DATE: 2025-08-18	
DRAWING NO.		TOLERANCES ARE:	
ORDER NO. 805040-00-001		DECIMALES ANGLES	
THIRD ANGLE PROJECTION		UNITS: mm	
		SHEET: 1 OF 2	
		SIZE: A4	

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