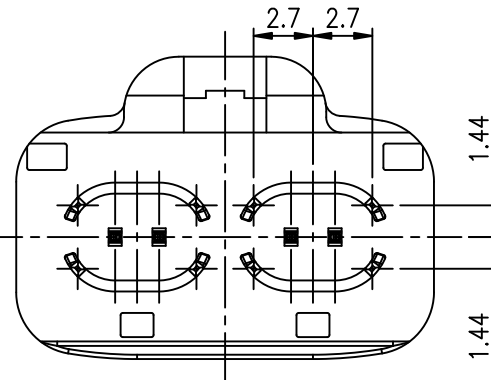
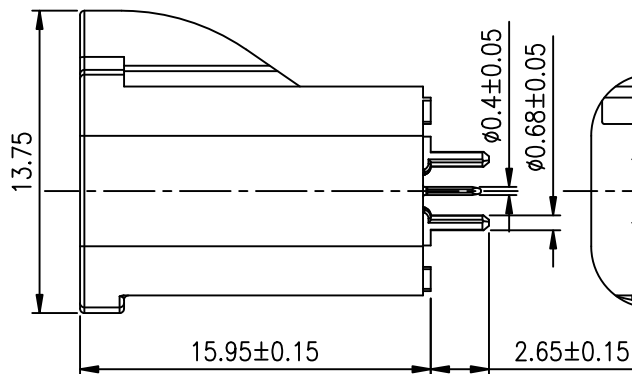
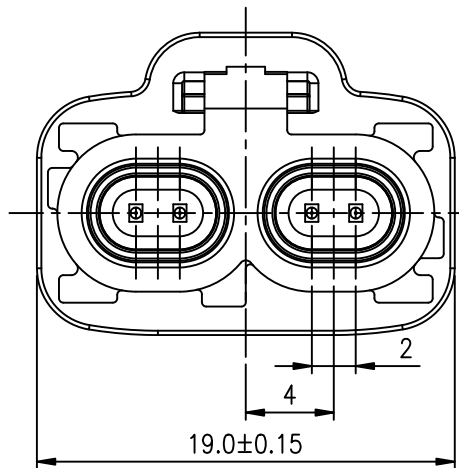
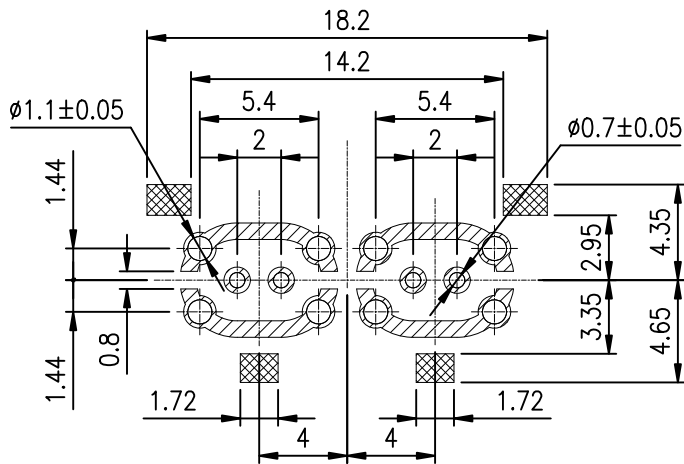


A		B		C		D		E		F	
NOTICE:		ALL PARTS MUST MEET TO RoHS REQUIREMENTS		REV.		DESCRIPTION		ECN NO.		NAME	
RoHS		CUSTOMER OUTLINE DRAWING		A0		FIRST EDITION		N/A		XU	
										2025/08/09	



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 M Ω MIN.
 - Center contact resistance: 10 m Ω MAX
 - Outer contact resistance: 7.5 m Ω 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: $-40^{\circ}\text{C TO } +105^{\circ}\text{C}$



Recommended PCB Layout

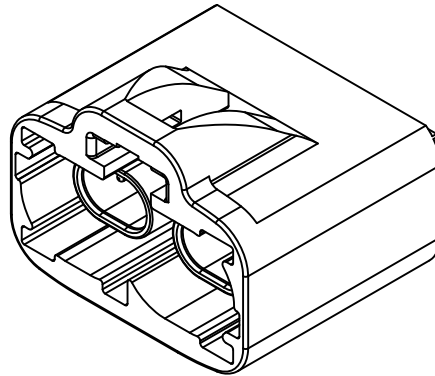


TABLE:

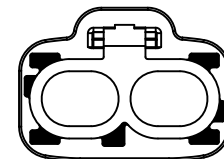
3	Outer contact	COPPER ALLOY	TIN	2
2	Center contact	COPPER ALLOY	GOLD/TIN	2
1	Housing	HTN	SEE SHEET 2	1
ITEM	PART NAME	MATERIAL	PLATING/COLOR	Q'TY

APPROVED:	CUSTOMER P/N:
CHECKED:	REV.: A0
CHECKED:	SCALE: 3:1
DRAWING:	DATE: 2025-08-18

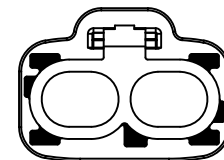
TITLE: Ethernet(R-ETH) Double, Straight Plug PCB Connector	
DRAWING NO.	TOLERANCES ARE: DECIMALES ANGLES
ORDER NO. 805040-00-003	.x ± 0.5 x. $^{\circ} \pm 5.0^{\circ}$.xx ± 0.3 .x. $^{\circ} \pm 3.0^{\circ}$
THIRD ANGLE PROJECTION	UNITS: mm SHEET: 1 OF 2
	SIZE: A4

DATE _____

2025/08/09



CODE Z (neutral coding
for coding A – F)



CODE O (neutral coding
for coding A – F)

— SIZE: A4