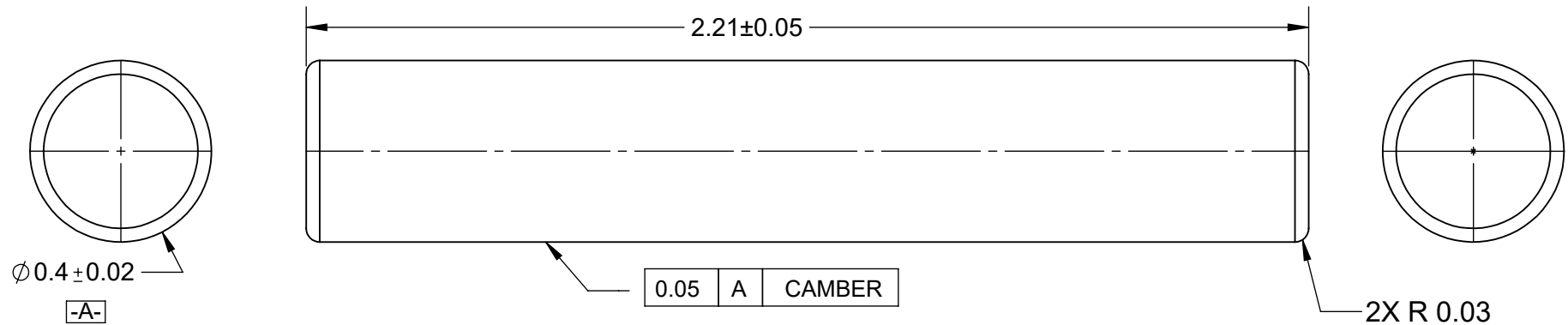


TOP

SIDE VIEW

END VIEW



MODEL



PLATING - SURFACE TREATMENT

LAYER	METRIC	BSC
Ni	3.0 ~ 6.0 μm	120 ~ 240 $\mu\text{-inch}$
Au Flash	0.05 ~ 0.20 μm	2 ~ 8 $\mu\text{-inch}$

Physical Properties

Coefficient of thermal expansion $\times 10^{-5}/^{\circ}\text{C}$	Thermal conductivity $\text{W}/(\text{m}^{\circ}\text{k})$	Electrical conductivity $\% \text{IACS}$	Modulus of elasticity GPa	Density g/cm^3
17.3	340	85	118	8.9

NOTES:

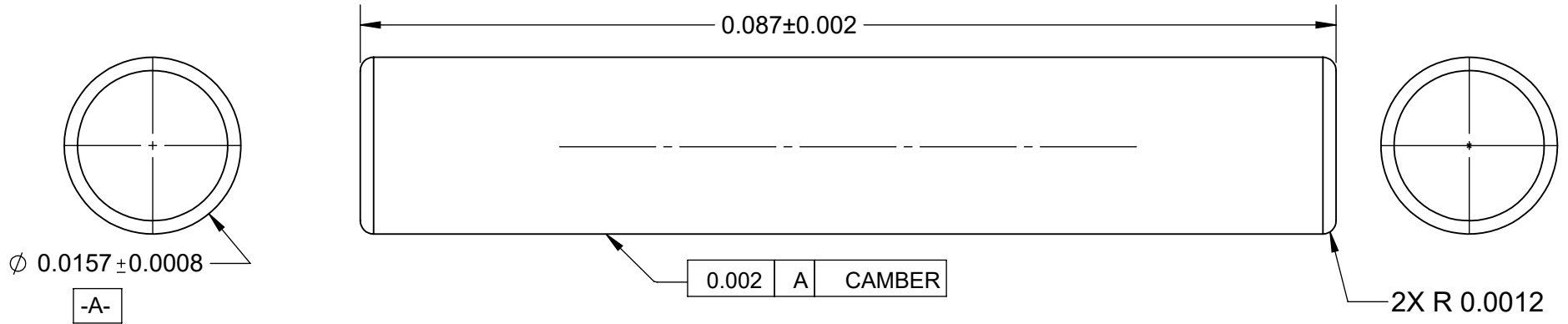
1. DIMENSIONS MM (UNLESS OTHERWISE SPECIFIED).
2. BASE METAL EFTEC-3 (UNS C14410) COPPER ALLOY.
3. ALLOY MASS% Cu99.9/Sn0.1
4. TEMPER: ANNEALED. VICKERS HARDNESS (HV) ~65

APPROVALS	DATE				
DRAWN T. Au	6/12/2025				
ENG M. Hart	6/12/2025	TITLE CU110G16x87A COPPER ALLOY STRAIGHT PIN			
MFG					
QA		SCALE 30:1	SIZE A	DRAWING NO. 601687	REV A
CUST					
REVISED		DO NOT SCALE DRAWING			SHEET 1 OF 3

TOP

SIDE VIEW

END VIEW



MODEL



PLATING - SURFACE TREATMENT		
LAYER	METRIC	BSC
Ni	3.0 ~ 6.0 μm	120 ~ 240 $\mu\text{-inch}$
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Coefficient of thermal expansion $\times 10^{-5}/^{\circ}\text{C}$	Thermal conductivity $\text{W}/(\text{m}^{\circ}\text{k})$	Electrical conductivity $\%\text{IACS}$	Modulus of elasticity GPa	Density g/cm^3
17.3	340	85	118	8.9

NOTES:

1. DIMENSIONS INCHES (UNLESS OTHERWISE SPECIFIED).
2. BASE METAL EFTEC-3 (UNS C14410) COPPER ALLOY.
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TopLine®

TITLE CU110G16x87A
COPPER ALLOY STRAIGHT PIN

SCALE 30:1	SIZE A	DRAWING NO. 601687	REV A
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DO NOT SCALE DRAWING

SHEET 2 OF 3

PART NUMBERING SYSTEM

<u>CU110</u>	<u>G</u>	<u>16</u>	<u>X</u>	<u>87</u>	<u>A</u>
COPPER ALLOY	PLATING	DIAMETER	PACKING	LENGTH	TEMPER
Cu99.9 / Sn0.10 EFTEC-3 UNS C14410	G = ENIG FLASH GOLD Ni 3.0um (120u-inch) Au 0.20um (8 u-inch)	16 MIL = 0.40mm BULK		87 MIL = 2.21mm	A = ANNEALED

DRAWING NUMBER

60	16	87																																		
ALLOY	DIAMETER	LENGTH																																		
60 = Cu99.9 / Sn0.10 ANNEALED	<table><tr><th>MIL</th><th>MM</th></tr><tr><td>06</td><td>0.15</td></tr><tr><td>08</td><td>0.20</td></tr><tr><td>10</td><td>0.25</td></tr><tr><td>12</td><td>0.30</td></tr><tr><td>14</td><td>0.35</td></tr><tr><td>15</td><td>0.38</td></tr><tr><td>16</td><td>0.40</td></tr></table>	MIL	MM	06	0.15	08	0.20	10	0.25	12	0.30	14	0.35	15	0.38	16	0.40	<table><tr><th>MIL</th><th>MM</th></tr><tr><td>25</td><td>0.63</td></tr><tr><td>31</td><td>0.80</td></tr><tr><td>40</td><td>1.00</td></tr><tr><td>50</td><td>1.27</td></tr><tr><td>60</td><td>1.52</td></tr><tr><td>63</td><td>1.60</td></tr><tr><td>75</td><td>1.90</td></tr><tr><td>87</td><td>2.21</td></tr></table>	MIL	MM	25	0.63	31	0.80	40	1.00	50	1.27	60	1.52	63	1.60	75	1.90	87	2.21
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TopLine®			
TITLE CU110G16x87A COPPER ALLOY STRAIGHT PIN			
SCALE 30:1	SIZE A	DRAWING NO. 601687	REV A
DO NOT SCALE DRAWING			SHEET 3 OF 3