

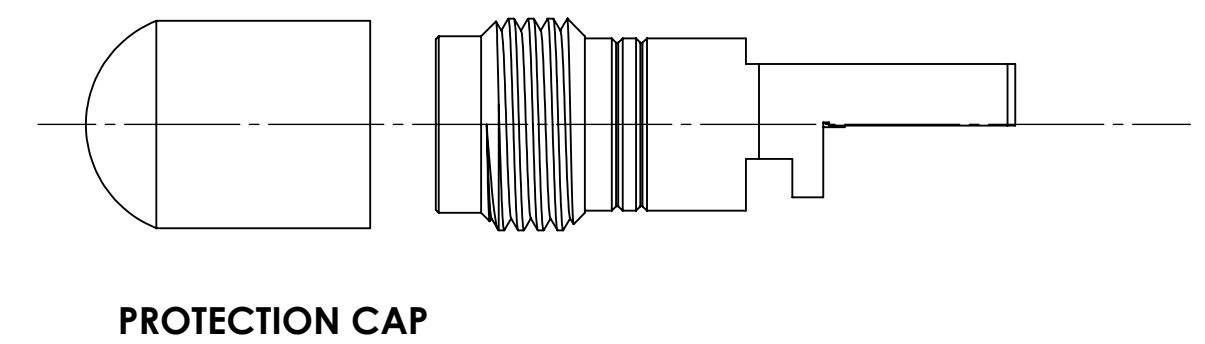
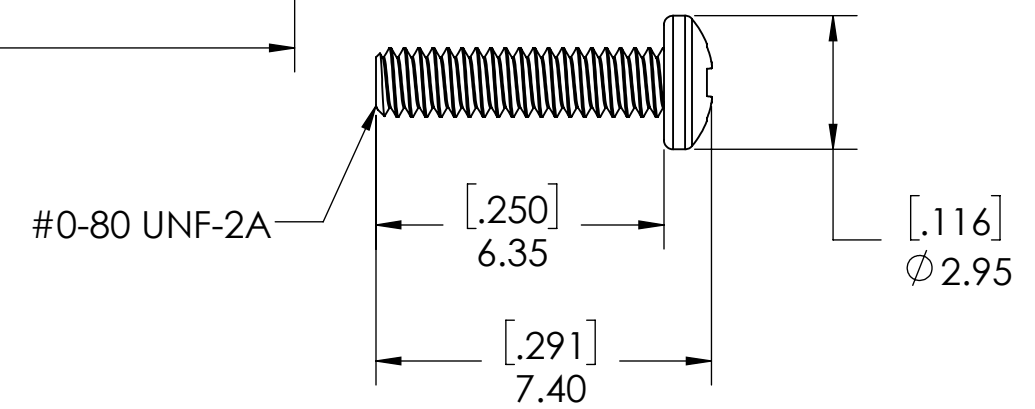
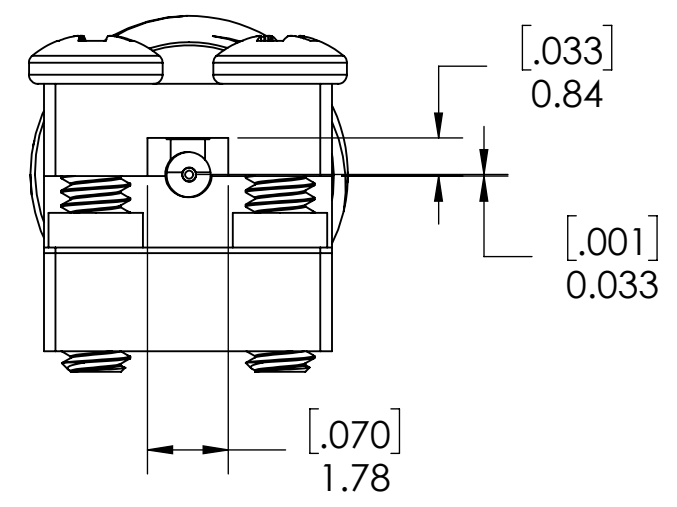
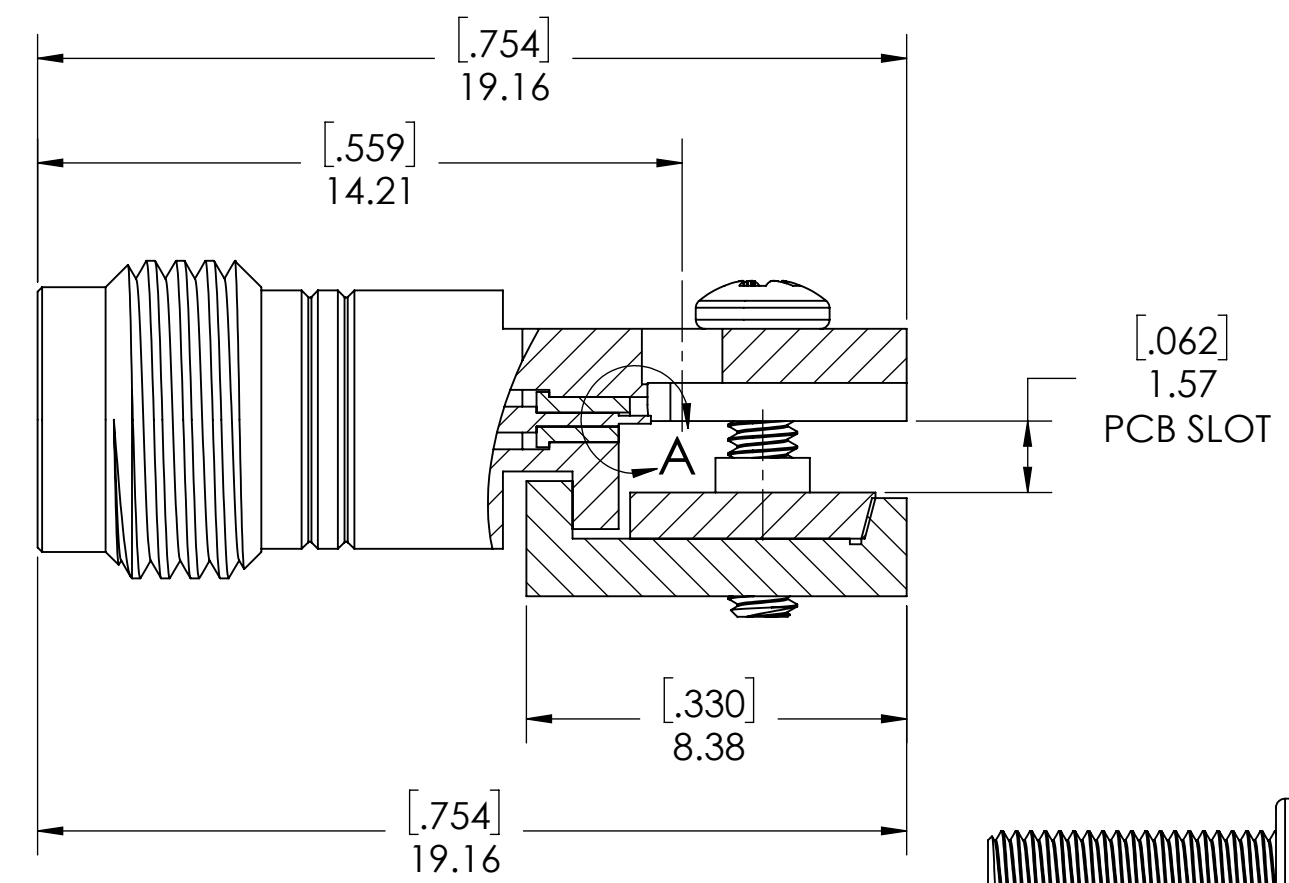
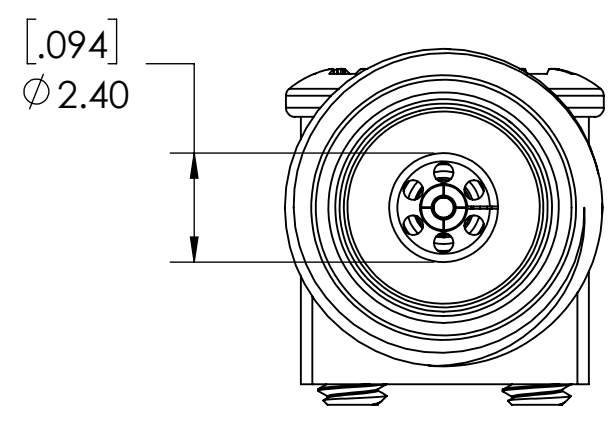
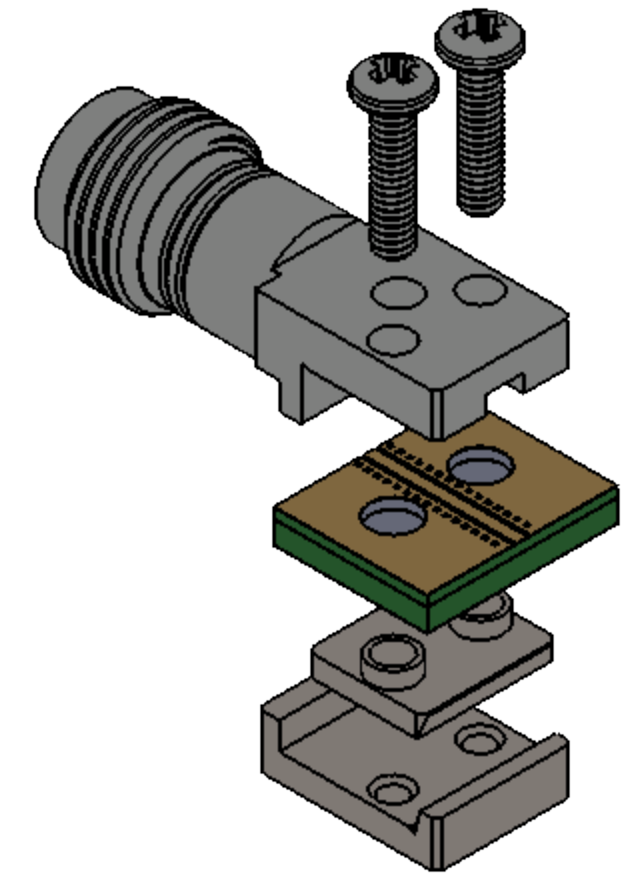
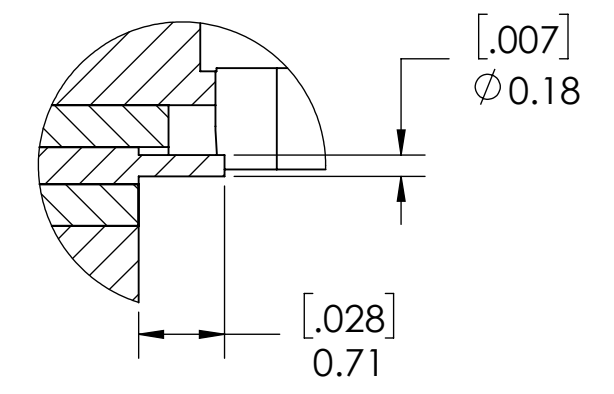
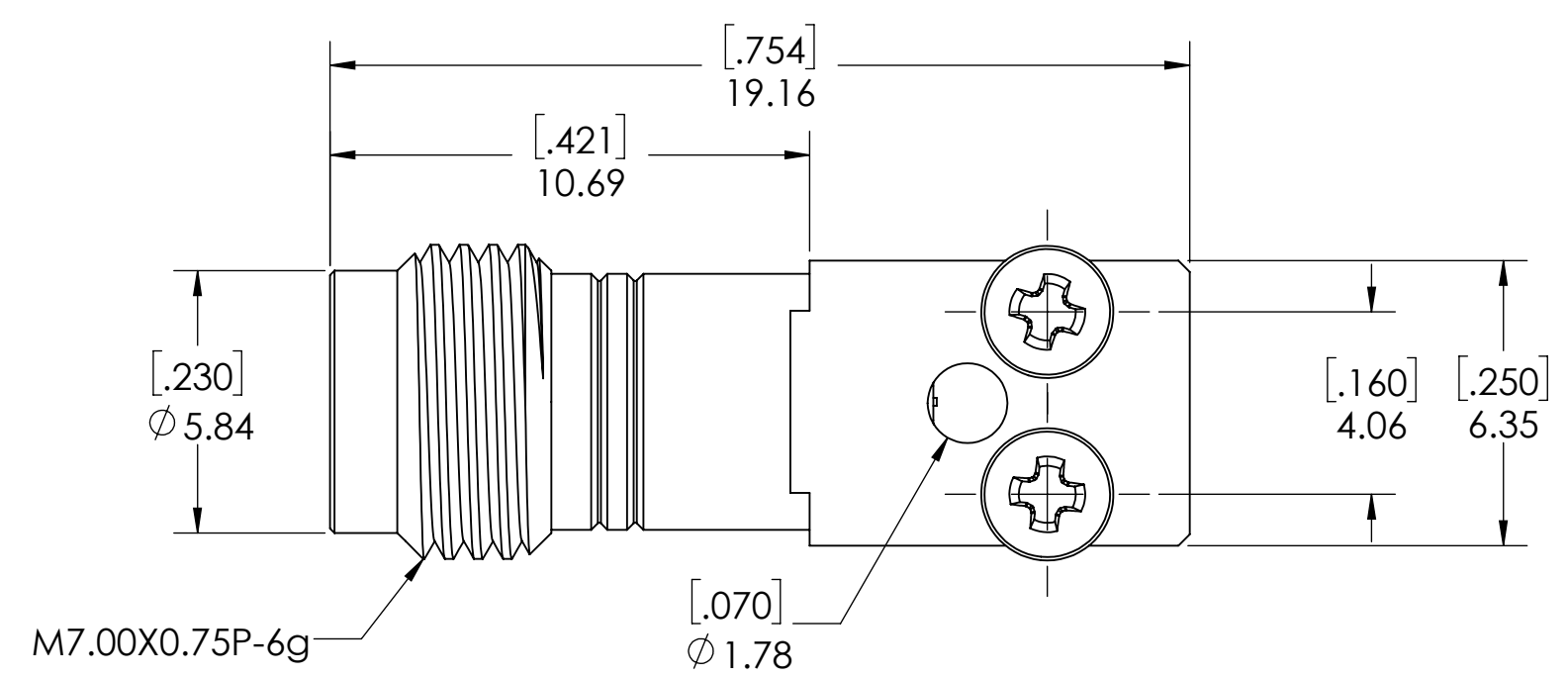
4

3

2

1

REVISIONS			
REV.	DESCRIPTION	DATE	DWN
-	INITIAL RELEASE	8/31/2020	FY



NOTE(S):  
 1. These characteristics are typical and for reference.  
 2. DYH: 60-20028-44070A  
 3. See sheet 2 for standard PCB interface definition.  
 4. See sheet 3 for non-standard PCB interface definition.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body/Screws: Stainless Steel Locking Block: Brass Center Conductor: Beryllium Copper Insulator: PCTFE, white RoHS Compliant Protective Cap: Soft PVC Color: Blue	Impedence: 50 Ohms Nominal Frequency Range: DC to 50 GHz VSWR: 1.30 max at 50 GHz Working Voltage: 500 V RMS max @ Sea Level Dielectric Withstand Voltage: 500 V RMS max. Insulation Resistance: 5000 megaohms min. Contact Resistance: Initial: Center Contact: 1.5 Milliohms max Outer Contact: 0.8 Milliohms max	Mating Characteristics: Interface per MIL-STD-348 Force to Engage & Disengage: Torque: 2 inch-pounds max Longitudinal Force: NA Connector Durability: 500 Cycles min. Permeability: Less than 2.0 mu. Center Contact Retention: Axial Force: 6 pounds min. Radial Force: NA	Temperature Range: -55 °C to +85 °C Moisture Resistance: MIL-STD-202, Method 103, Test Condition B Corrosion: MIL-STD-202, Method 101, Test Condition B Vibration: MIL-STD-202, Method 204, Test Condition A Shock: MIL-STD-202, Method 213, Test Condition 1

FINISH(ES):
Body/Screw: Passivated Locking Block: Nickel plating Center Conductor: Becu ,Gold Plating

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
-		

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TOLERANCES AND NOTES	APPROVAL	INITIALS	DATE
EXCEPT AS NOTED	DRAWN BY	FY	8/31/2020
THIRD ANGLE PROJECTION	CHECKED BY		
SCALE 8:1	DESIGN ENG	PV	9/26/2019
DIMENSIONS ARE IN [INCHES] ANGLES ±2° MM	APPR BY		
.XX DECIMALS ±.063 .XXX DECIMALS ±.01			

Dongguan City, Guangdong P.R. China 523533

TITLE: Edge Launch, Narrow Body, Solderless, 2.4mm, Connector

SCALE: 8:1  
SUB-DIRECTORY/ \_OUTLINE/

SHEET 1 OF 3  
DRAWING NO. TMB-E4F2-1L1-01

4

3

2

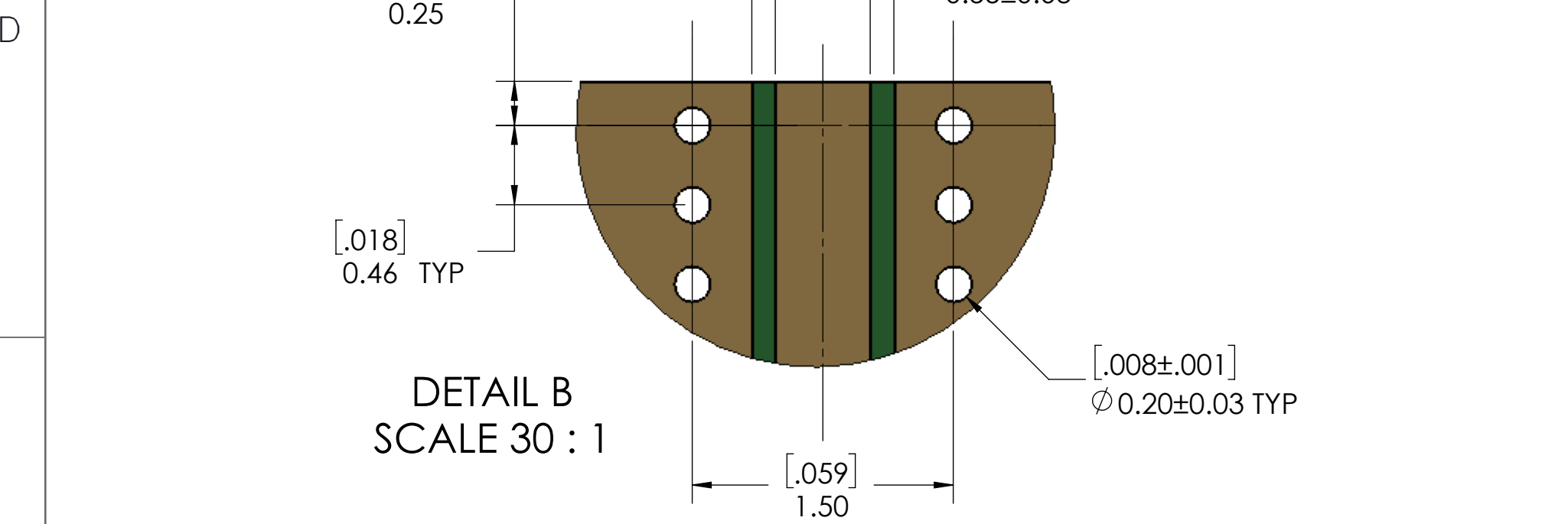
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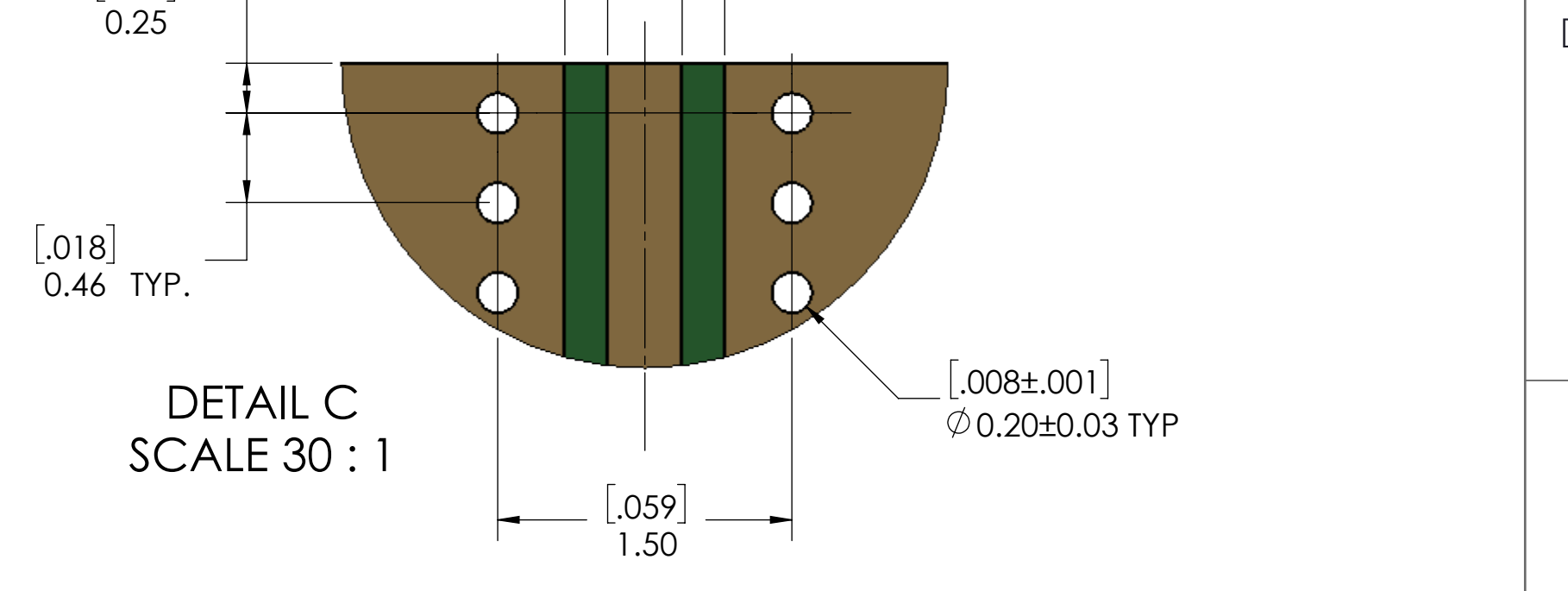
C

B

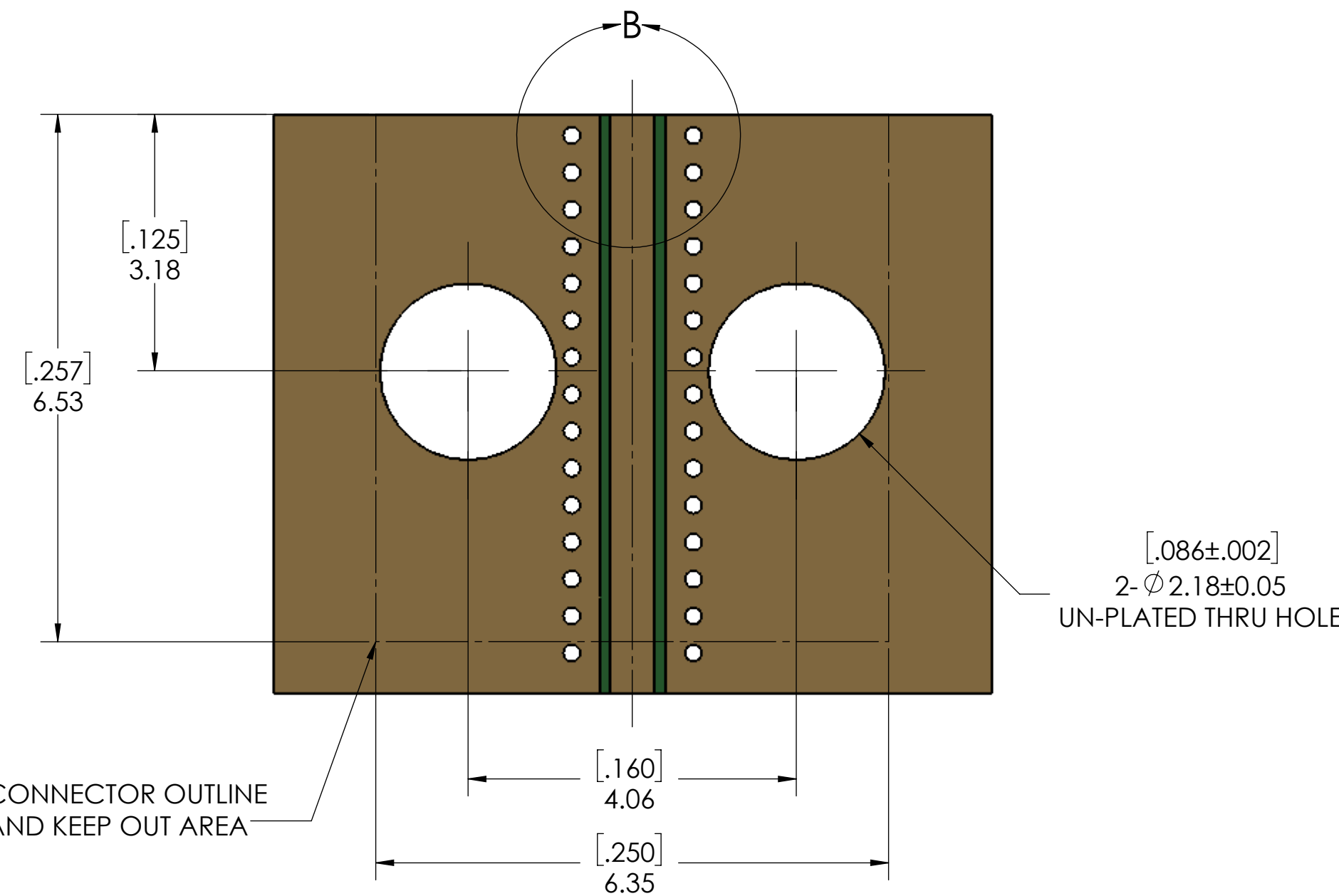
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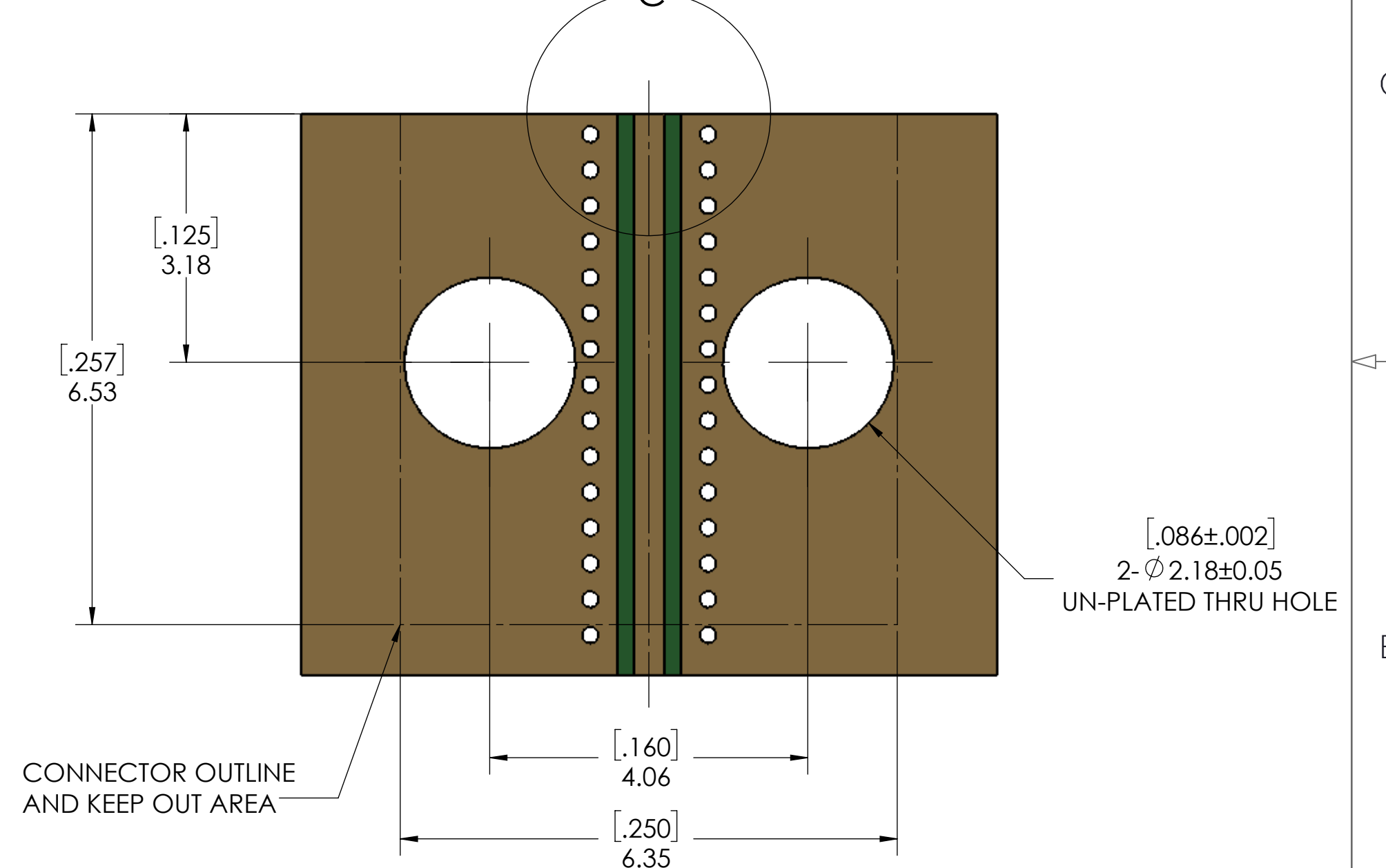
DETAIL B  
SCALE 30 : 1



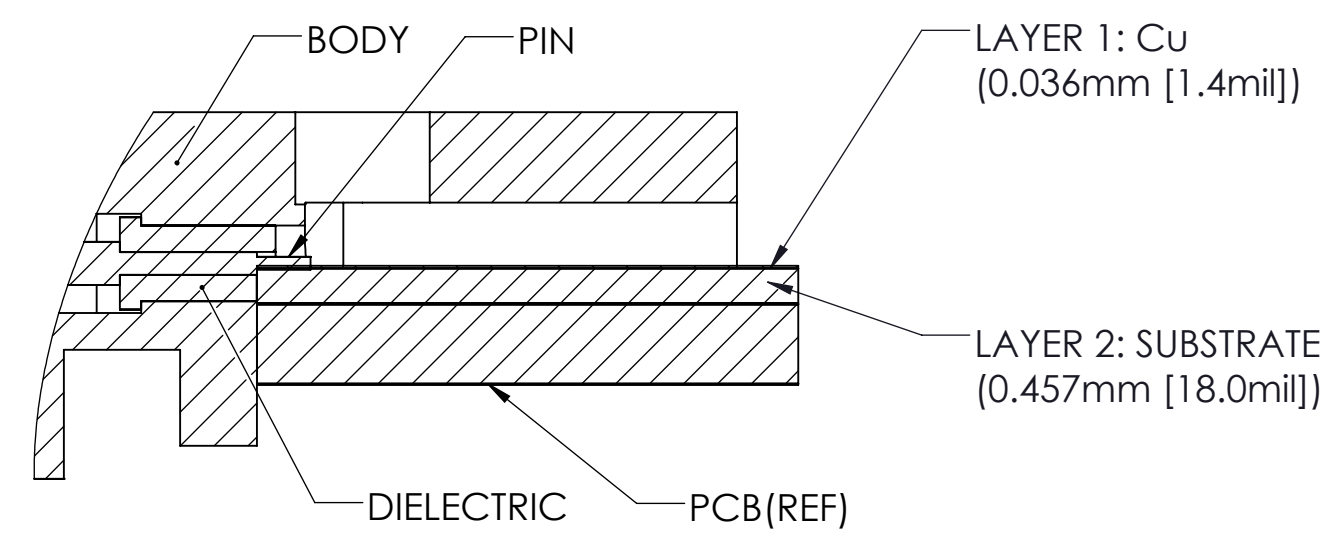
DETAIL C  
SCALE 30 : 1



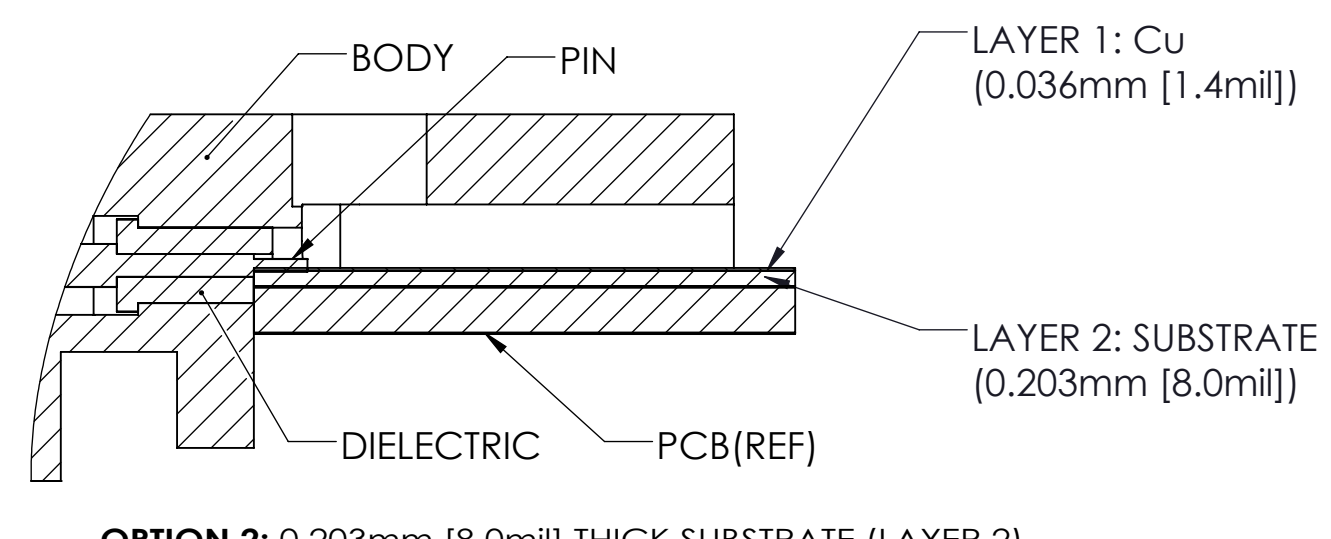
[0.086±.002]  
2- Ø2.18±0.05  
UN-PLATED THRU HOLE



[0.086±.002]  
2- Ø2.18±0.05  
UN-PLATED THRU HOLE



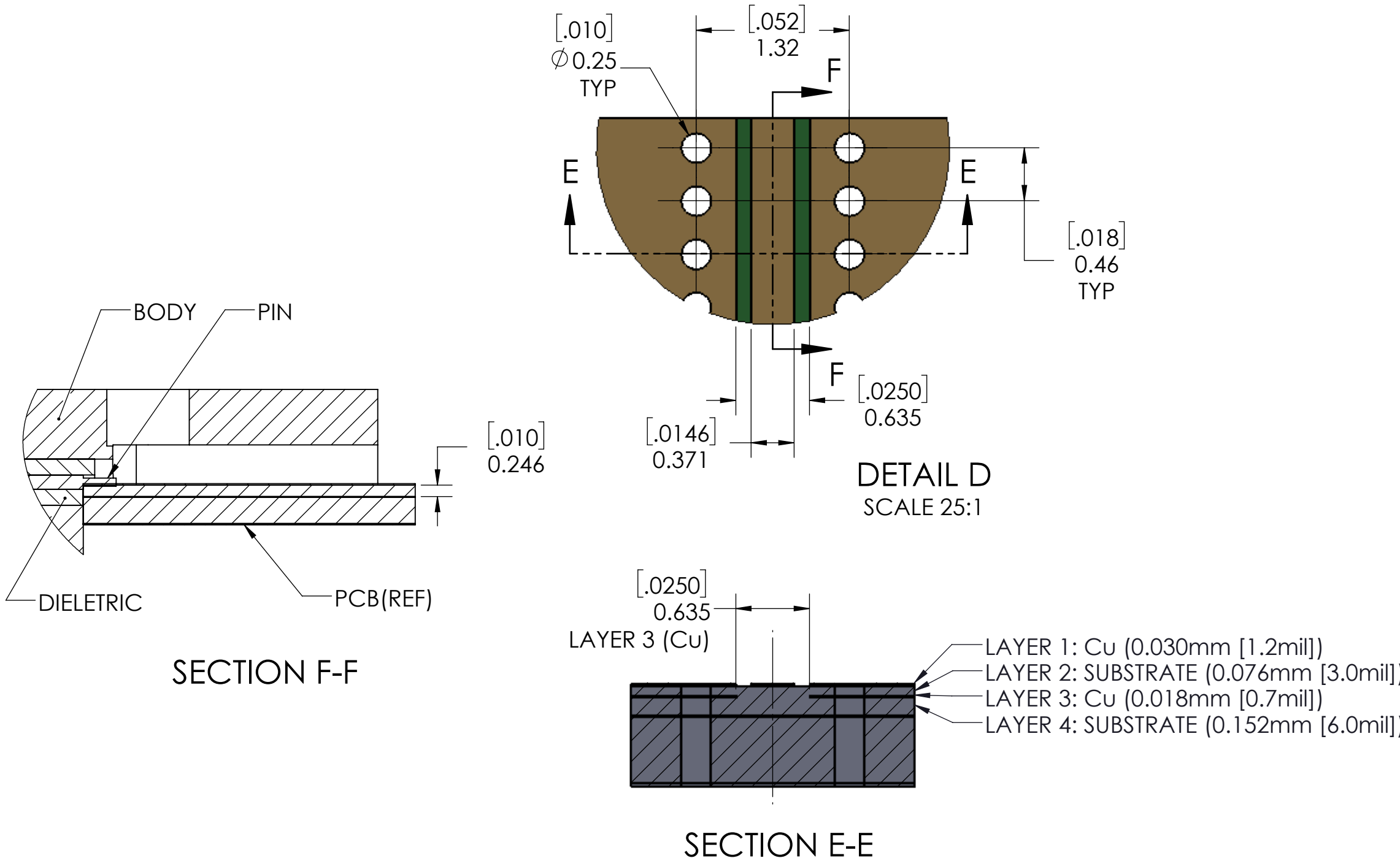
OPTION 1 : 0.457mm [18.0mil] THICK SUBSTRATE (LAYER 2)



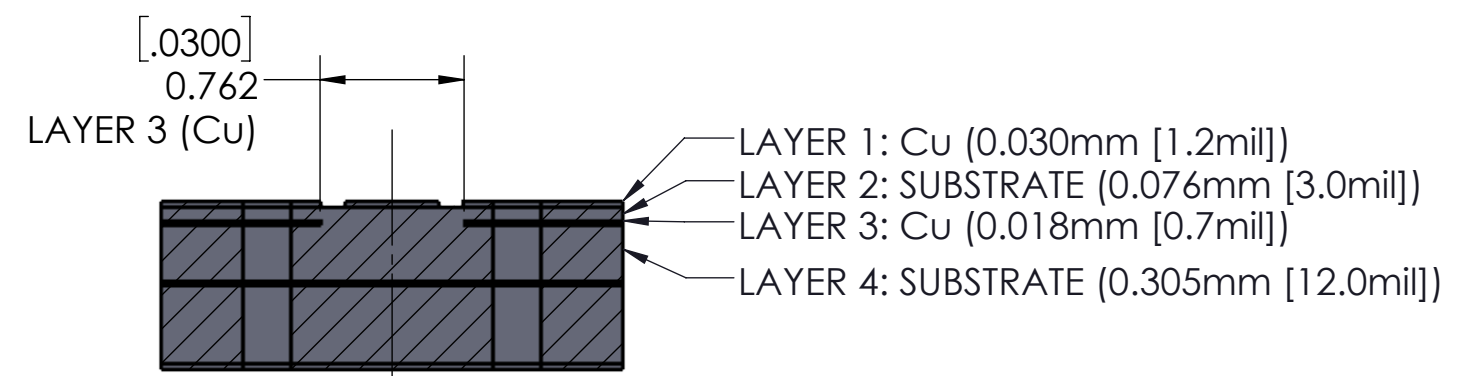
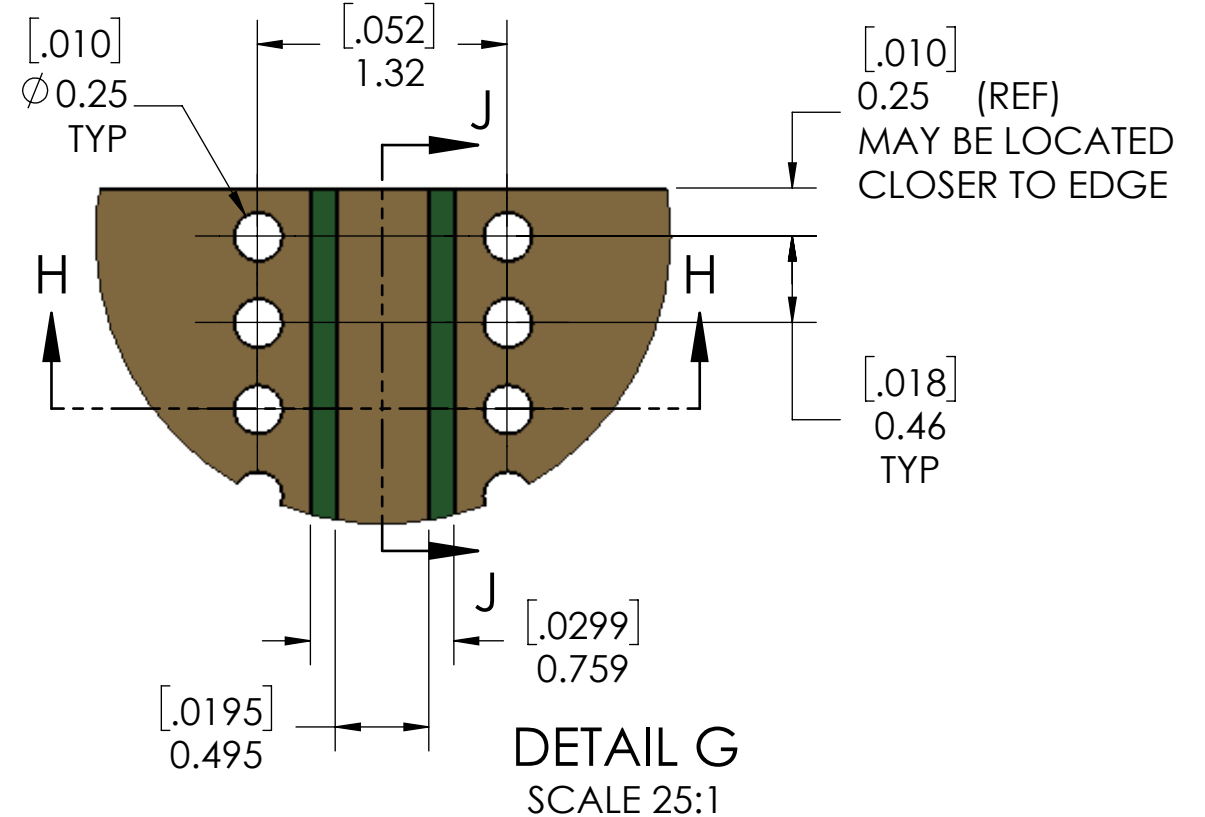
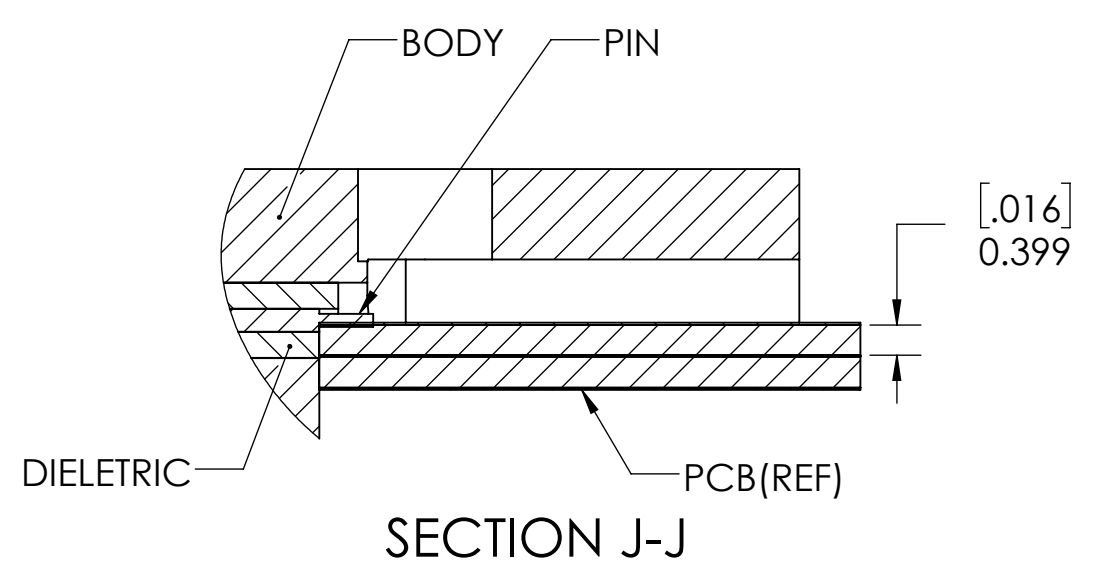
OPTION 2: 0.203mm [8.0mil] THICK SUBSTRATE (LAYER 2)

**Standard PCB LAYOUT**  
(FOR REFERENCE ONLY)

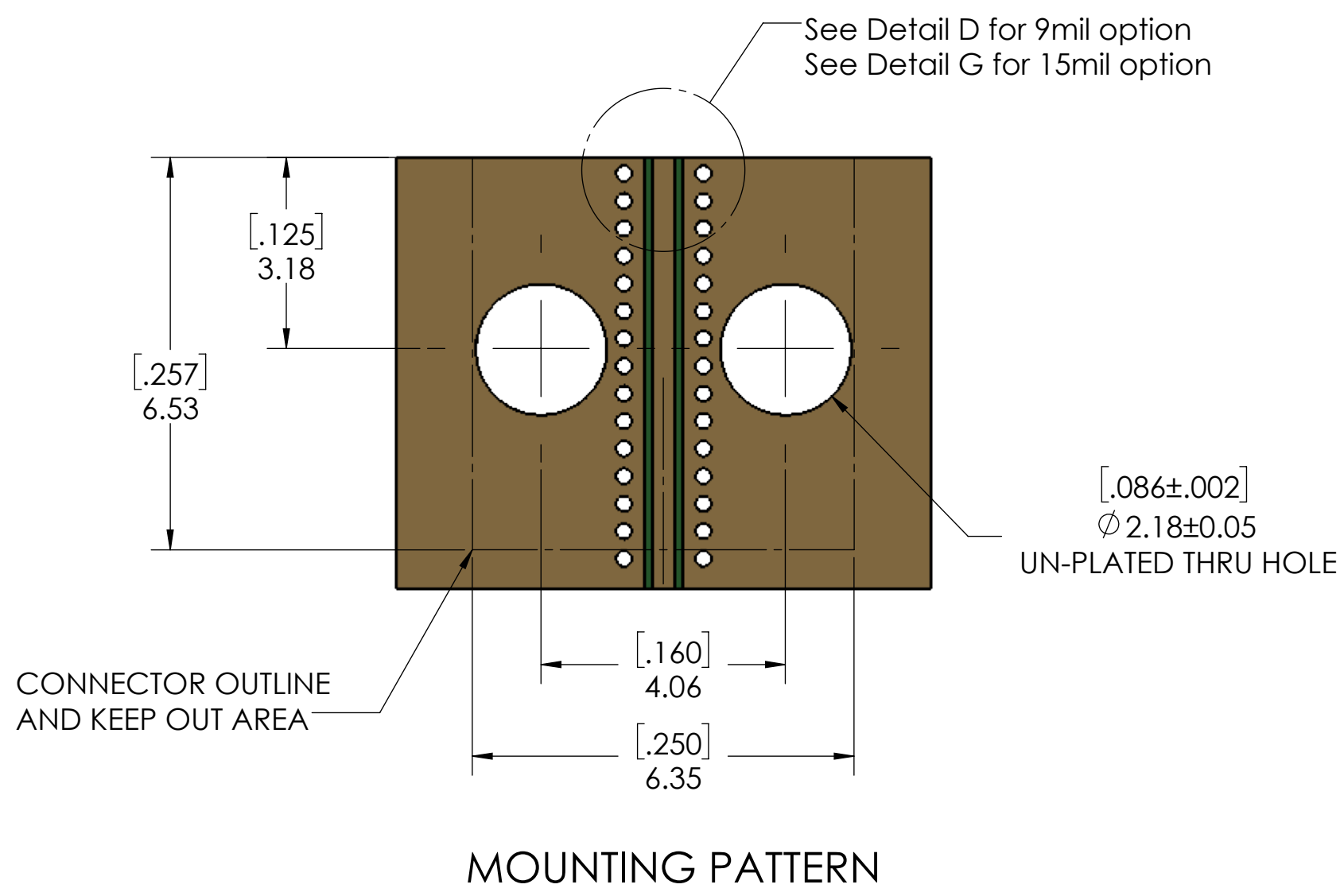
SCALE	SUB-DIRECTORY/		SHEET 2 OF 3
10:1			
SIZE	CAGE CODE	DRAWING NO.	REV.
C		<b>TMB-E4F2-1L1-01</b>	-



**PCB 9mil Option**  
 0.246mm [9.7mil] Dielectric  
 SUBSTRATE LAYERS 2 AND 4



**PCB 15mil Option**  
 0.399mm [15.7mil] Dielectric  
 SUBSTRATE LAYERS 2 AND 4



**PCB LAYOUT**  
**Non-standard board stackup**  
**(Reference)**

SCALE	SUB-DIRECTORY/		SHEET 3 OF 3
10:1			
SIZE	CAGE CODE	DRAWING NO.	REV.
C		<b>TMB-E4F2-1L1-01</b>	-