

4

PART NO.	APPLICABLE NOTE(S)	No OF POSITIONS	PLATING THICKNESS, μIN	SHEET
TMB-SEH22-10	1,2	2	10	1, 2
TMB-SEH22-30	1,2	2	30	1, 2
TMB-SEH22-50	1,2	2	50	1, 2
TMB-SEH24-10	1,2	4	10	1, 3
TMB-SEH24-30	1,2	4	30	1, 3
TMB-SEH24-50	1,2	4	50	1, 3
TMB-SEH26-10	1,2	6	10	1, 4
TMB-SEH26-30	1,2	6	30	1, 4
TMB-SEH26-50	1,2	6	50	1, 4
TMB-SEH28-10	1,2	8	10	1, 5
TMB-SEH28-30	1,2	8	30	1, 5
TMB-SEH28-50	1,2	8	50	1, 5
TMB-SEH210-10	1,2	10	10	1, 6
TMB-SEH210-30	1,2	10	30	1, 6
TMB-SEH210-50	1,2	10	50	1, 6

NOTE(S) :

1

SCREWS TO BE PACKAGED AND SHIPPED SEPERATELY.

2. RECOMMENDED FOOTPRINT: SEE REFERENCE DRAWING "TMB-SEH2X-FOOTPRINT"

MATERIAL(S):

Housing:
Brass Alloy per ASTM B-16
Center-conductor:
BeCu Alloy per ASTM B-196
Insulator:
PTFE
Screws:
Stainless steel
Interface Brakcet:
Aluminum 6061

ELECTRICAL(S):

Ilmpedance: 50 Ohms Nominal
Frequency Range: DC to 65 GHz
VSWR: 1.50:1 MAX. DC to 65 GHz
Insertion Loss: .07 x Sqrt(F) (F in GHz)
Working Voltage: 335 Vrms max @ Sea Level
Test Voltage: 500 Vrms
Insulation Resistance: 5000 MegOhms min.
Contact Current: 1.2 A DC max.
Contact Resistance:
Center Contact: 35 m Ω
Outer Contact: 10 m Ω

MECHANICAL(S):

Mating Characteristics:
COREHC2 (2.5mm) Interface per CarlisleIT
Force to Engage:
CoreHC2 (Individual): .85 Lb Typ.
Center contact Force:
Individual: .16 Lb Typ.
Connector Durability:
10,000 Cycles min. @ 12 cycles/minute max

ENVIRONMENTAL(S):

Temperature Range: -65°C to +125°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition B
Moisture Resistance:
MIL-STD-202, Method 106, Insulation resistance
at least 200 MegaOhms within 5 minutes after
removal from humidity.
Vibration:
MIL-STD-202, Method 204, Test Condition A,
except 5g Peak
Shock:
MIL-STD-202, Method 213, Test Condition I,
except 10g Peak

FINISH(ES):

Housing and Center Conductor:
Gold plate per ASTM B-488, over Nickel underplate per SAE-AMS-QQ-N-290
Screws:
Passivated
Interface Bracket:
Anodized , Clear

APPLICABLE CARLISLE IT DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
-		

THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES & ALL DESIGN, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE & THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, CERRITOS, CALIFORNIA 90703.

TOLERANCES AND NOTES

EXCEPT AS NOTED

DIMENSIONS ARE IN INCHES.

LINEAR .XX ±.015 ANGULAR ± 1/2°

FRACTION ± 1/32

1. MACHINE FINISH: 63 RMS

2. BREAK ALL SHARP EDGES .003 MAX.

3. MACHINED FILLETS .005 MAX.

4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.

5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.

6. DIMENSIONS TO BE MET BEFORE PLATING.

7. CHAMFER ALL THREADS 45°.

8. THREADS PER H-28

9. REMOVE FRAVED EDGES ON TEFLON.

10. REMOVE ALL BURRS.

-

MATERIAL		
APPROVAL	INITIALS	DATE
DRAWN BY	HT	02.20.20
CHECKED BY	-	-
TEST ENGR	-	-
QUALITY	-	-
DESIGN ENG	HT	02.20.20
MFG. ENGR	-	-
ECO APPRV		

-

SPECIFICATION		
TITLE COREHC2(2.5mm), EDGE LAUNCH, 2 TO 10 POSITION		
SCALE 1:1	SUB-DIRECTORY/	SHEET 1 OF 6
SIZE C	CAGE CODE 30990	DRAWING NO. TMB-SEH2X-XX

-

PROCUREMENT	
Interconnect Technologies Cerritos, CA 90703	
REV.	00

REVISIONS

REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	01.20.20	HT

REVISIONS

REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	01.20.20	HT

RoHS Compliant

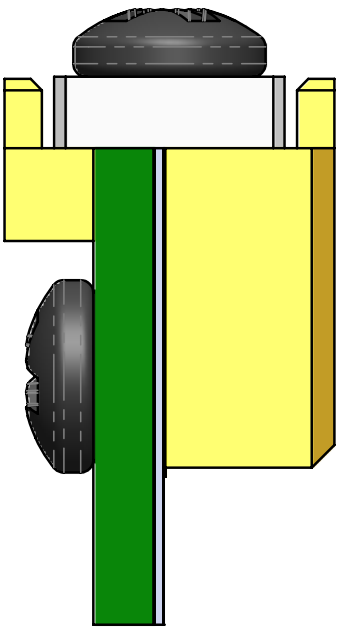
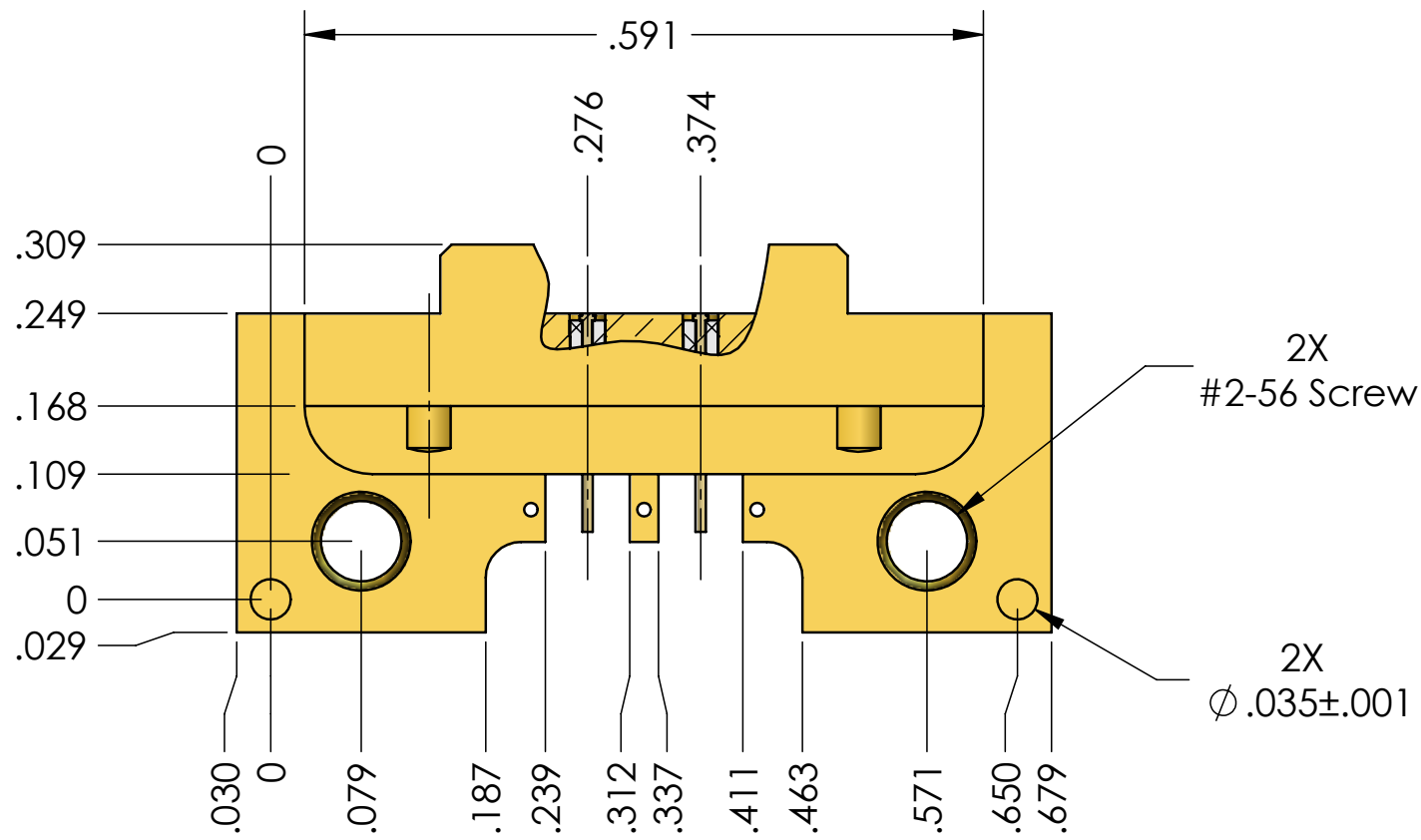
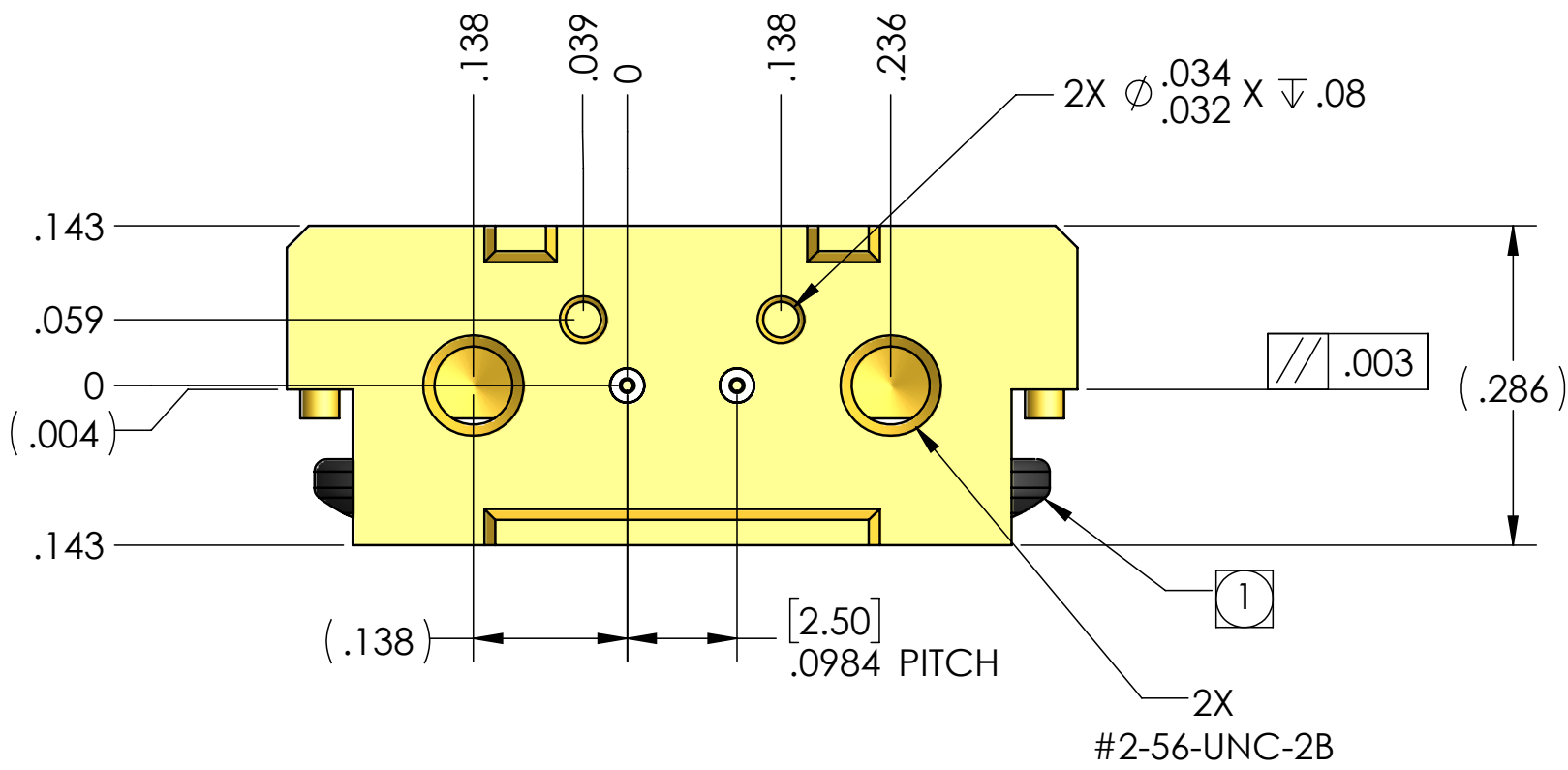
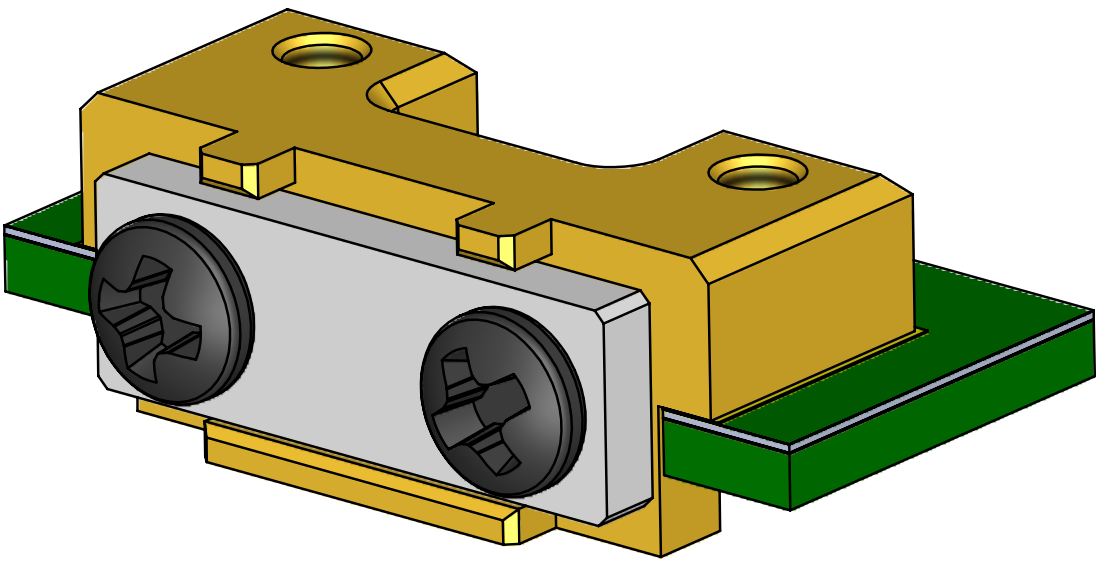
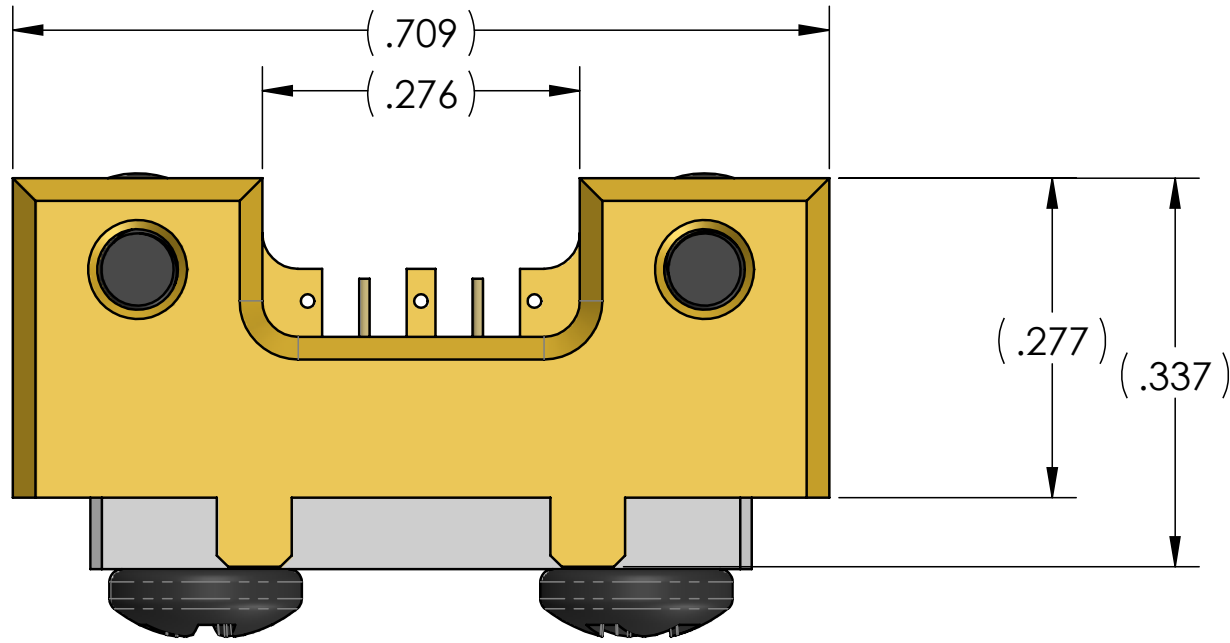
ENG-SW REV. E

4

3

2

1



2 POSITION

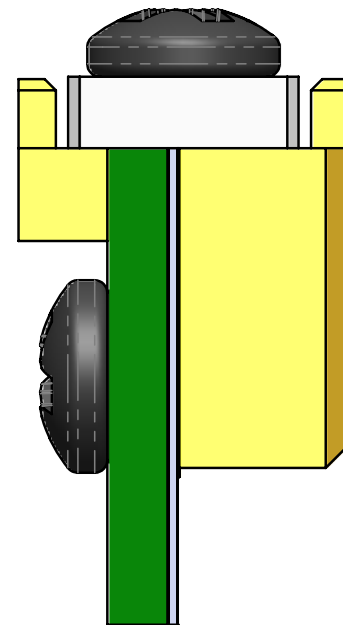
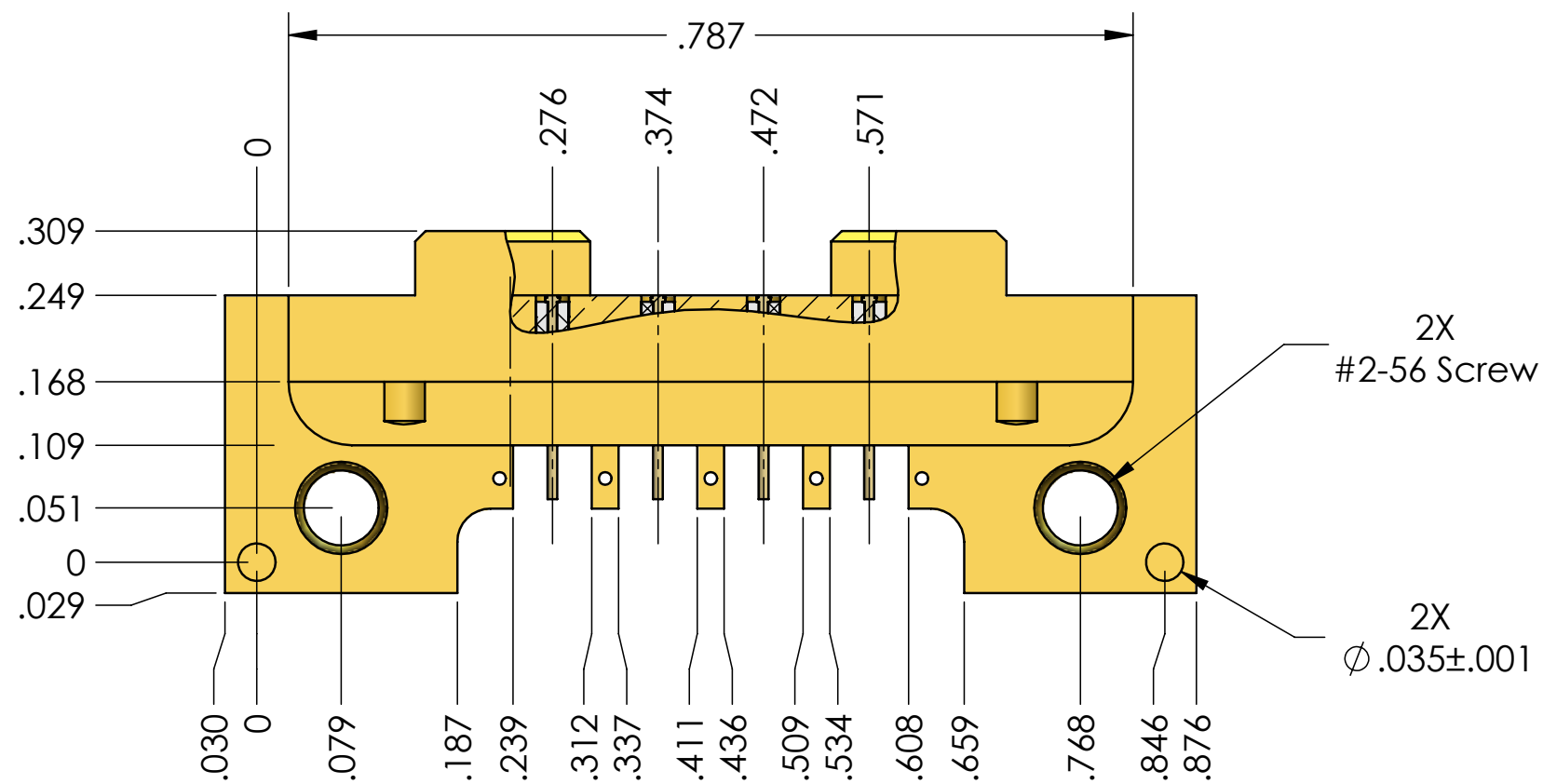
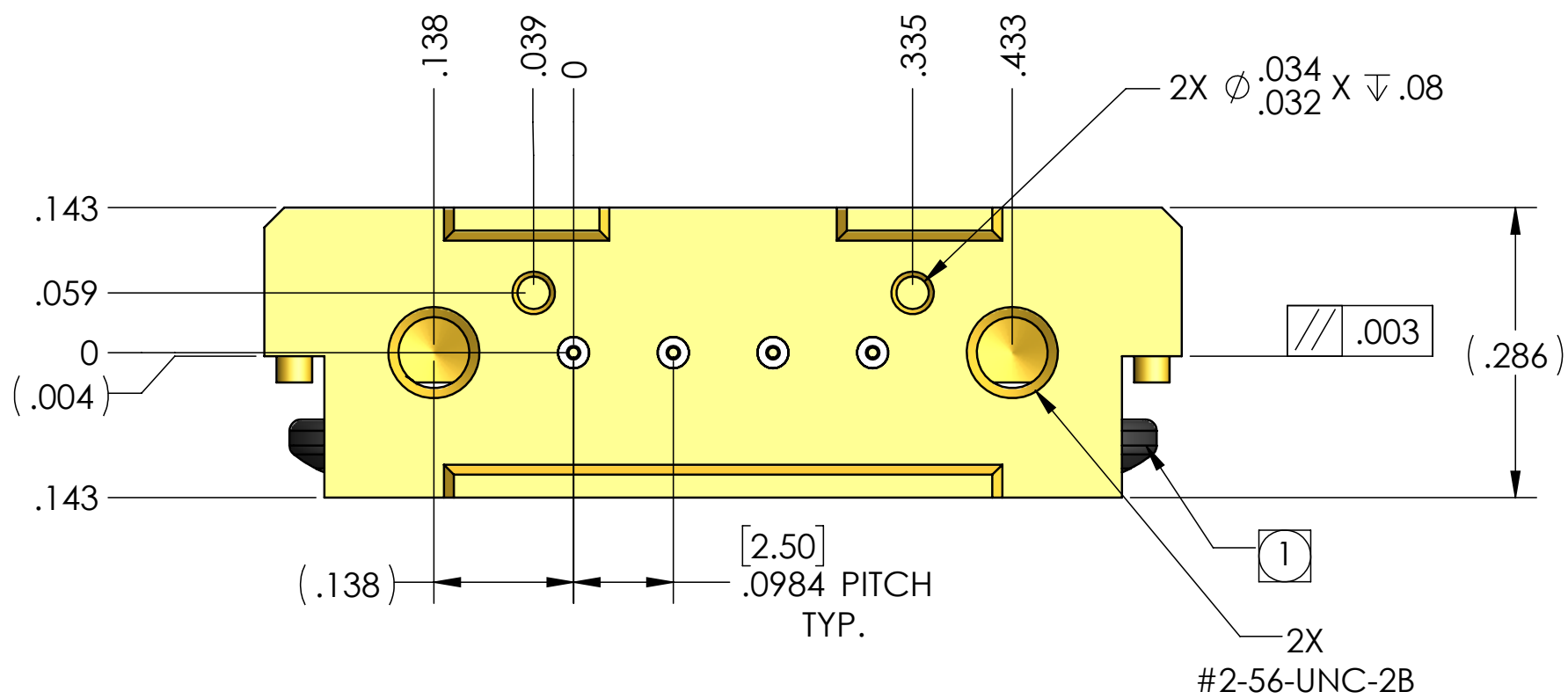
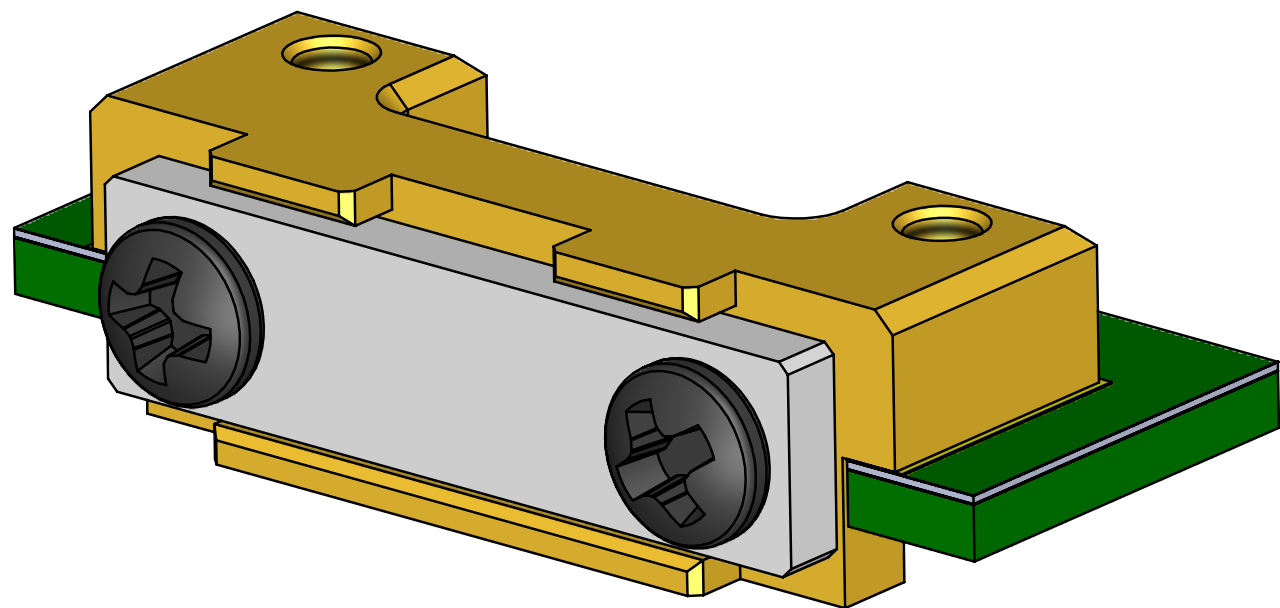
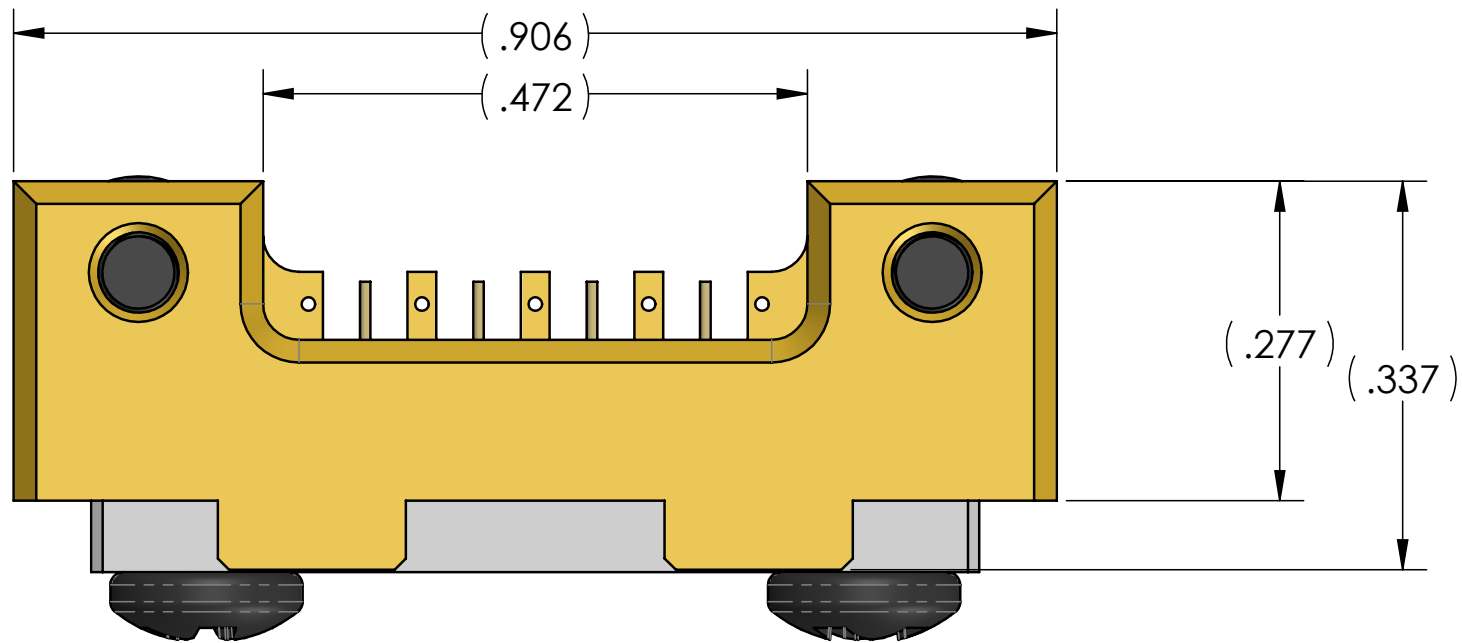
SCALE		SUB-DIRECTORY/		SHEET 2 OF 6	
6:1				REV. 00	
SIZE	CAGE CODE	DRAWING NO.			
C	30990	TMB-SEH2X-XX			

4

3

2

1



4 POSITION

4

3

2

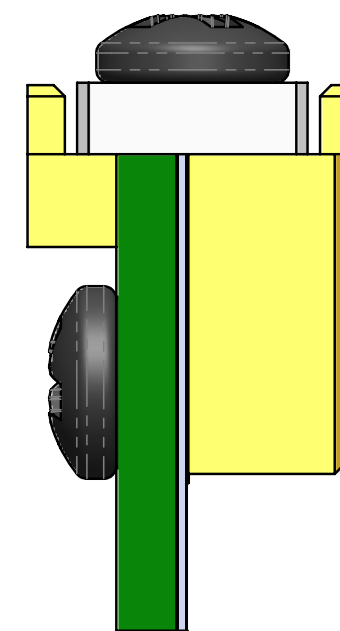
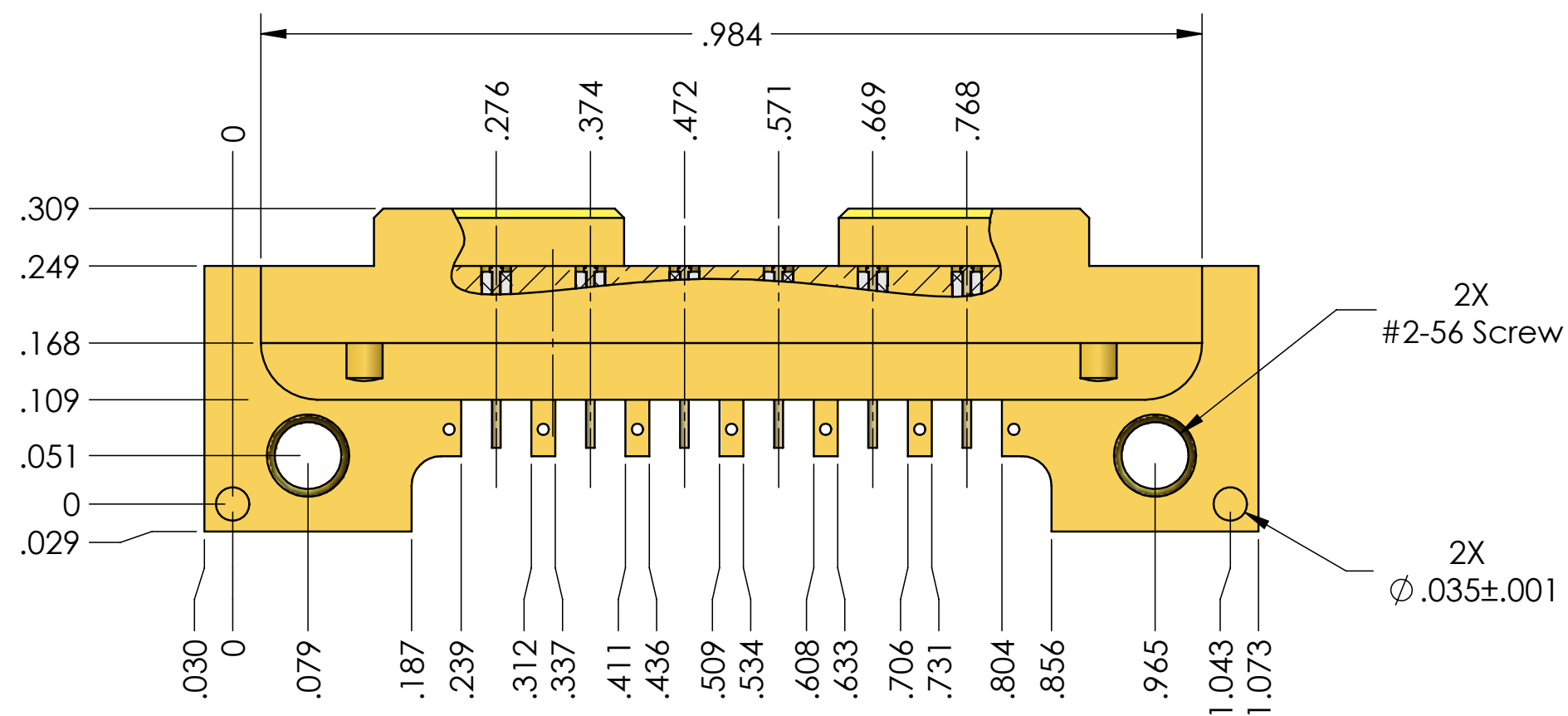
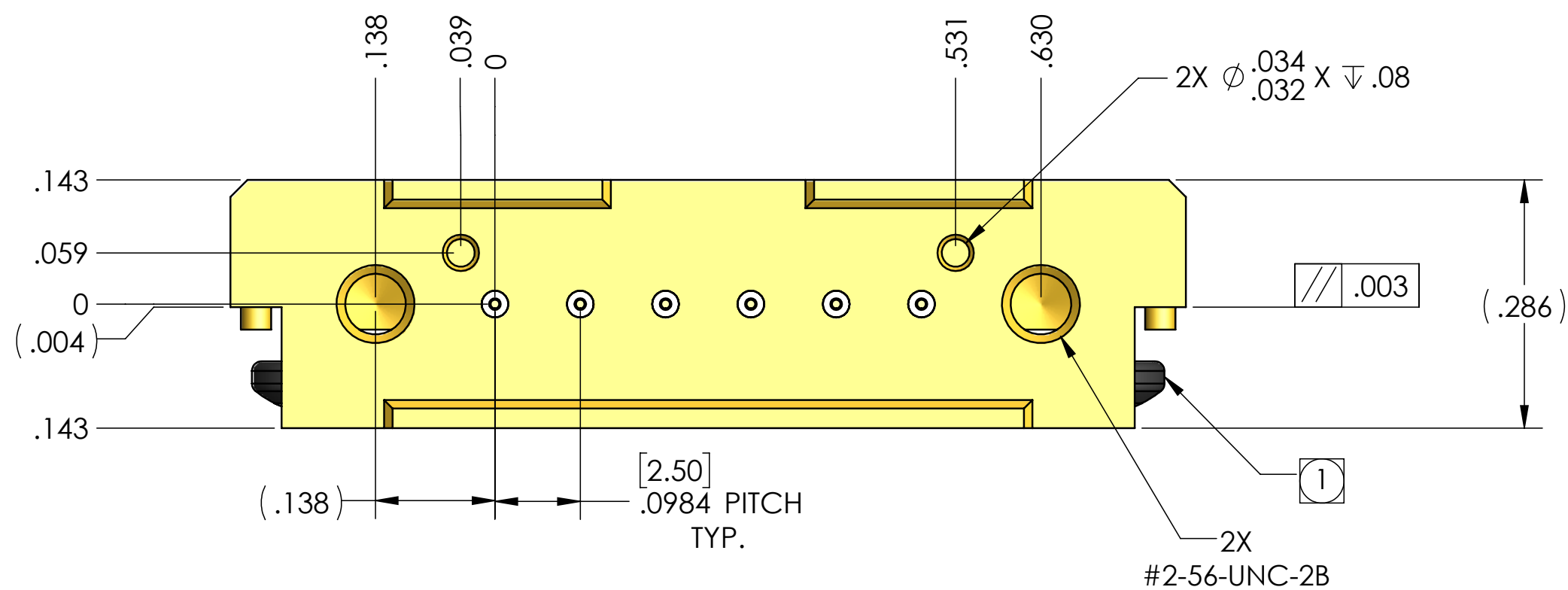
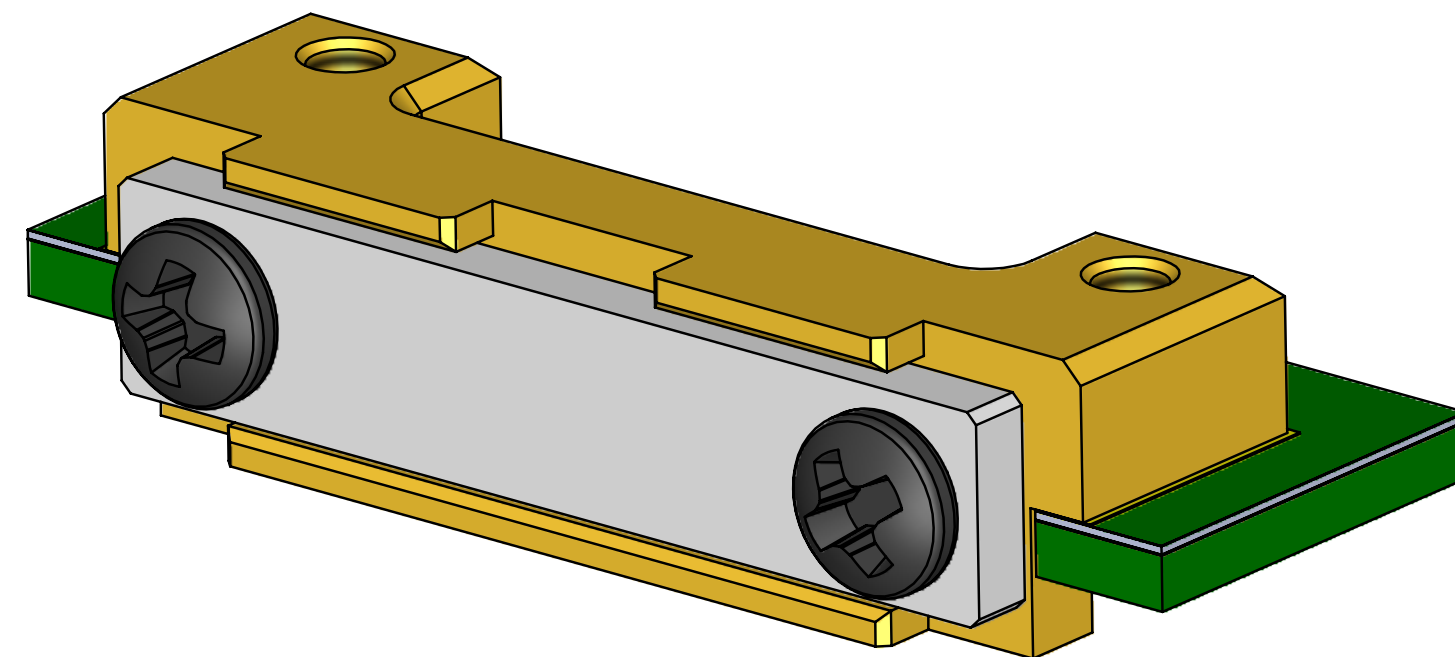
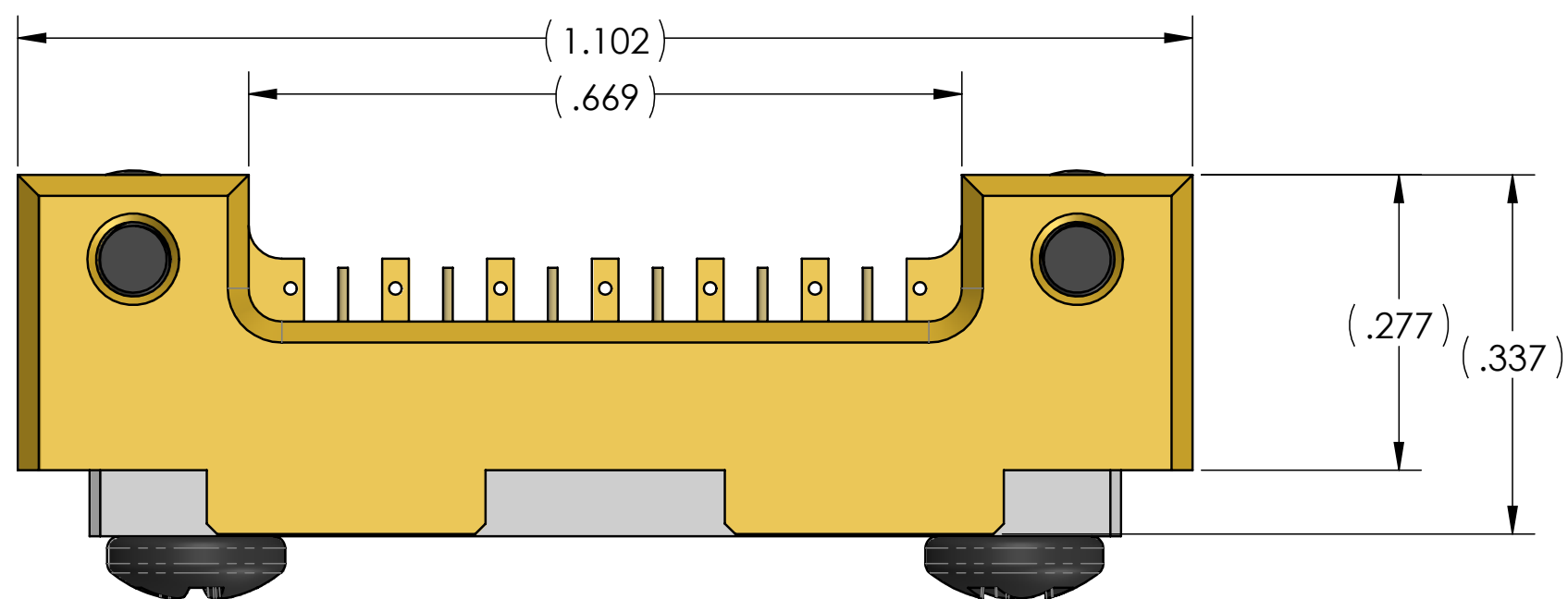
1

4

3

2

1



6 POSITION

4

3

2

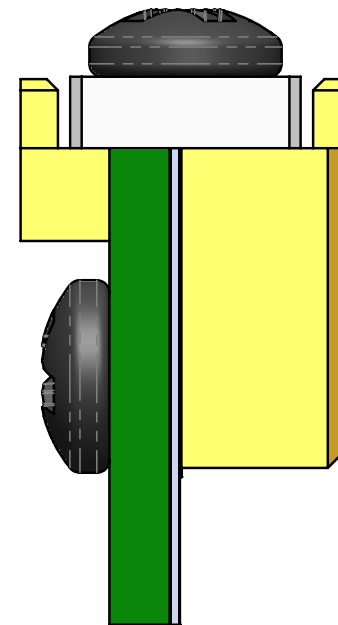
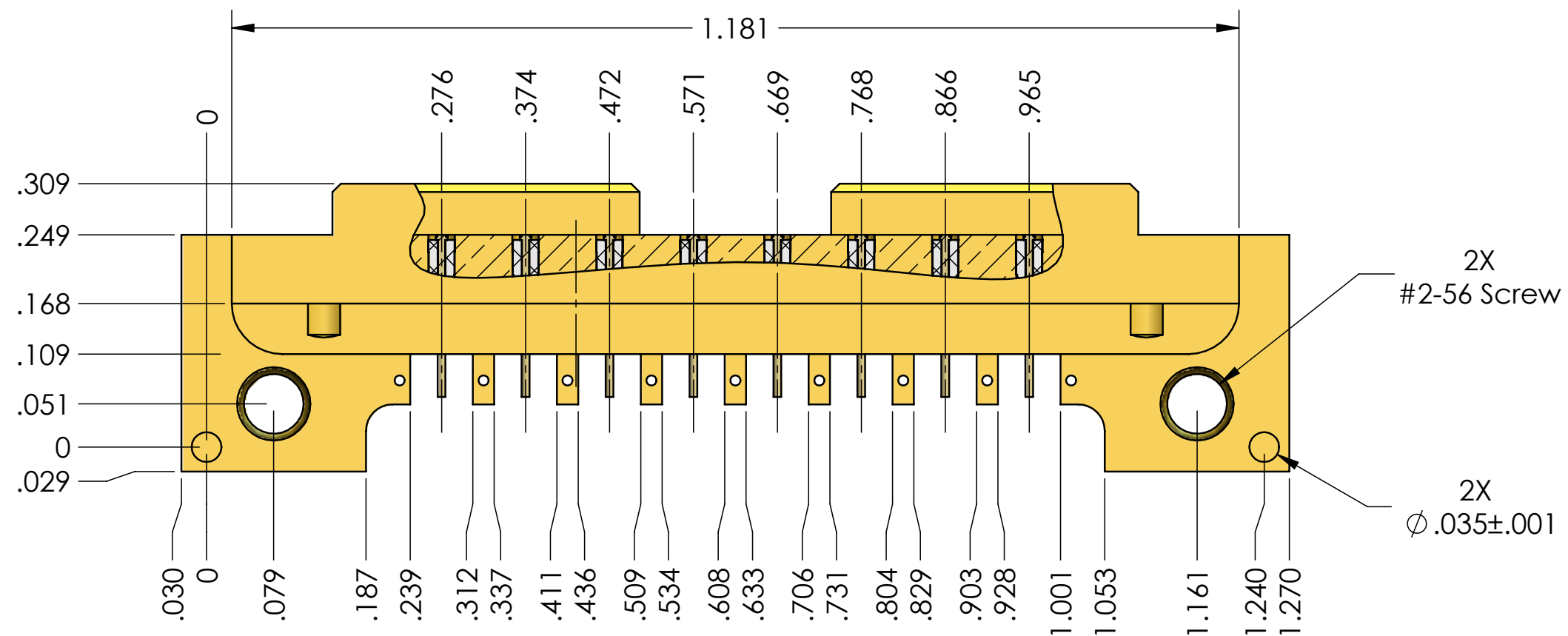
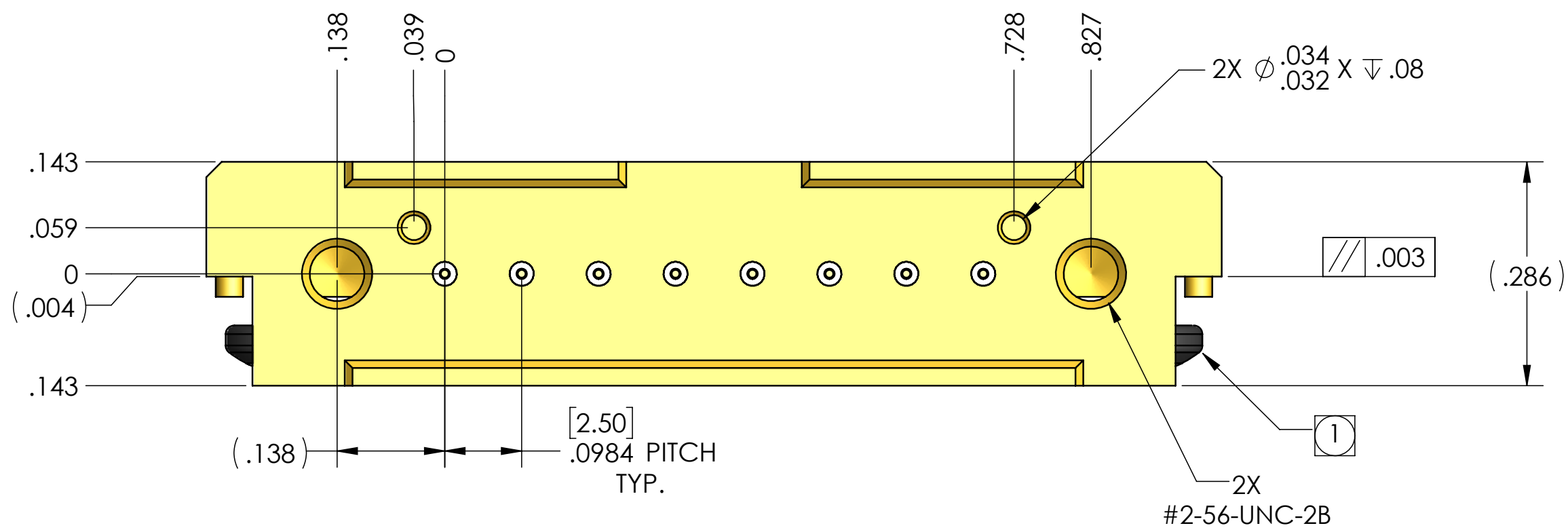
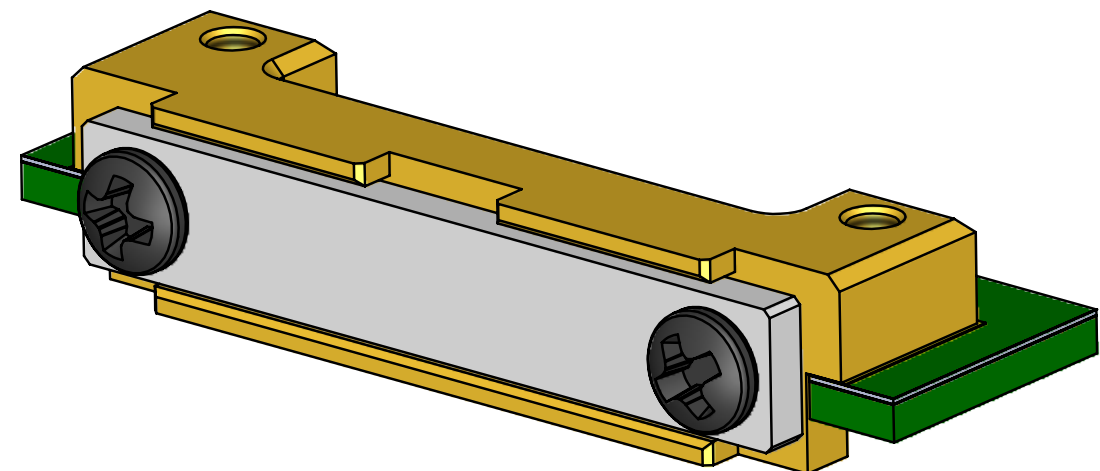
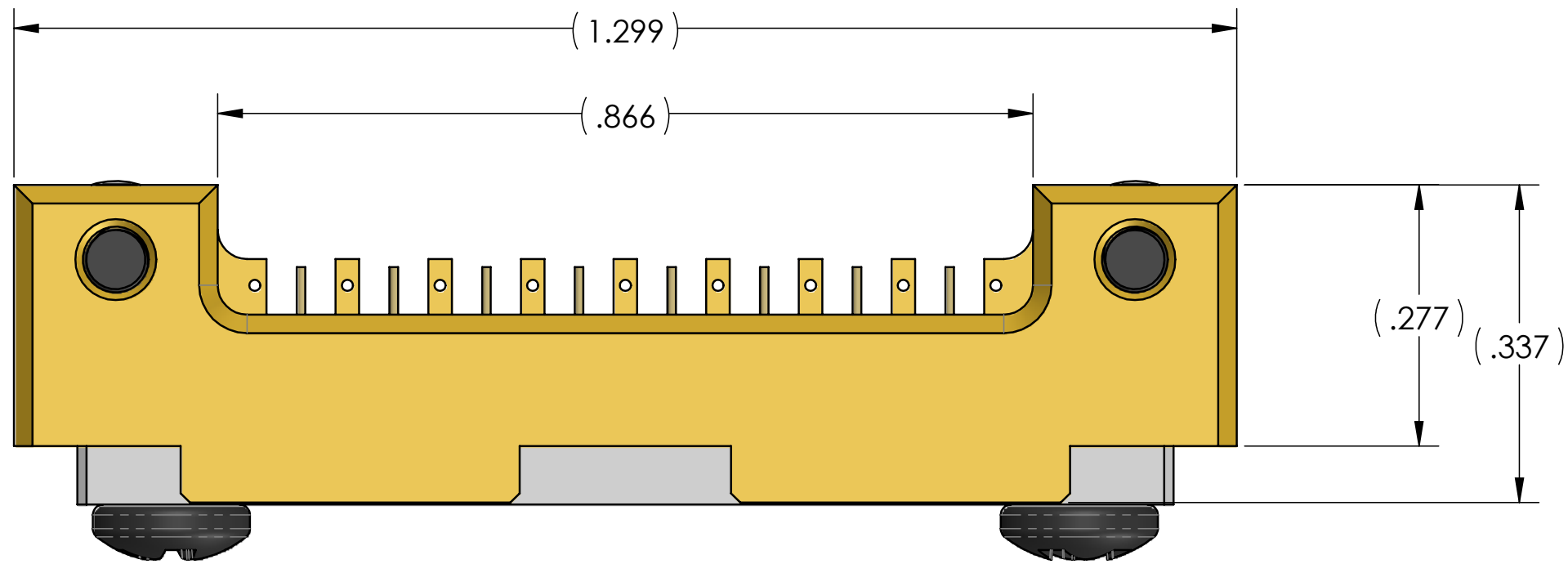
1

4

3

2

1



8 POSITION

4

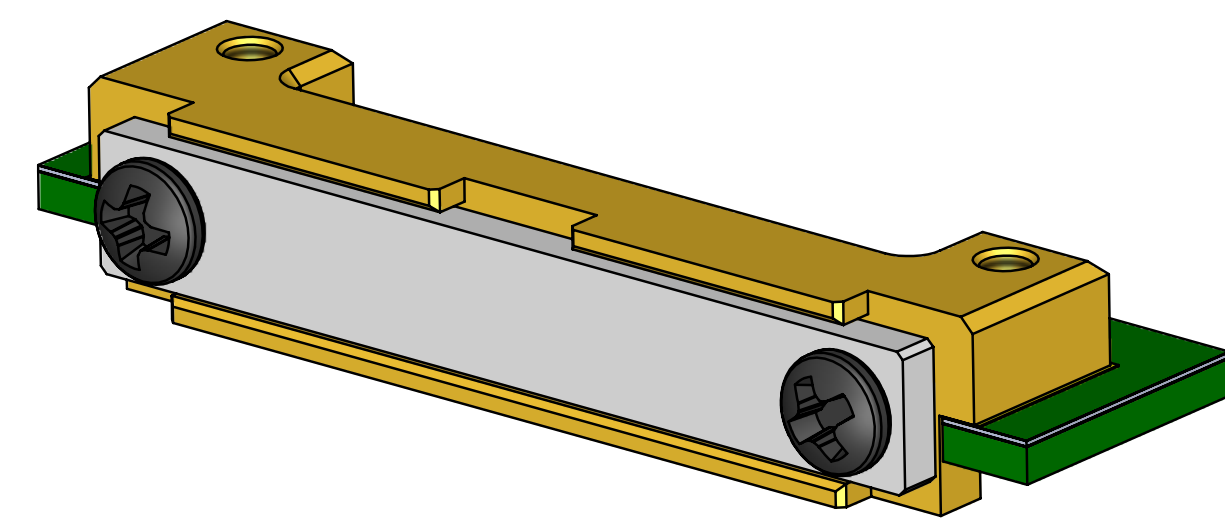
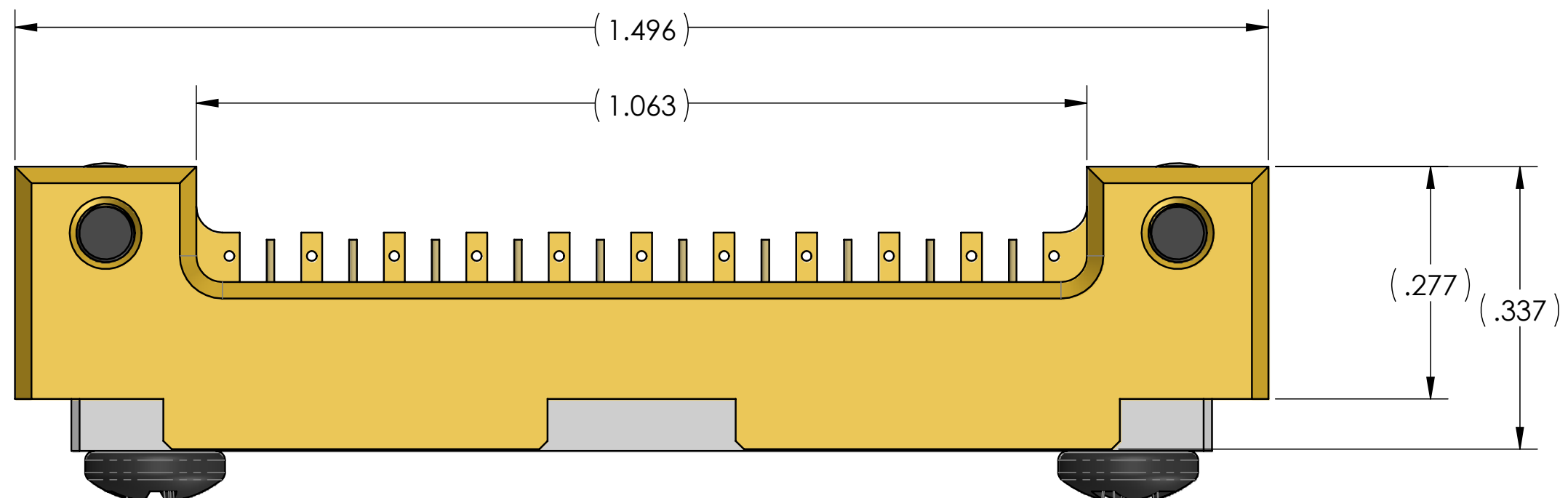
3

2

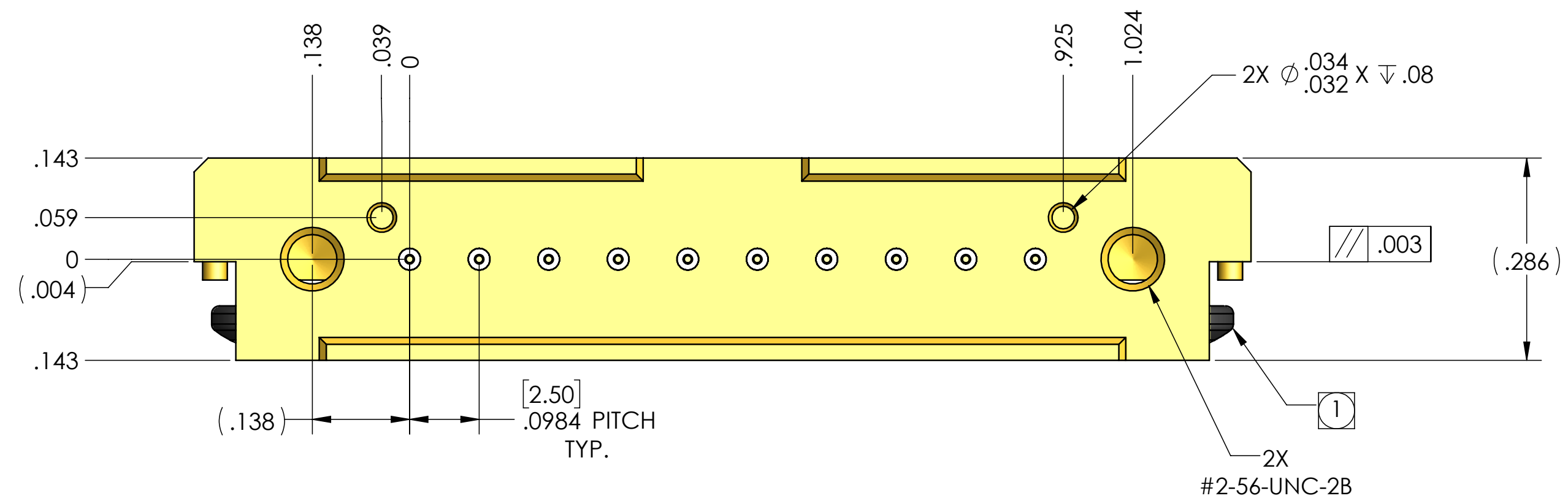
1

4 3 2 1

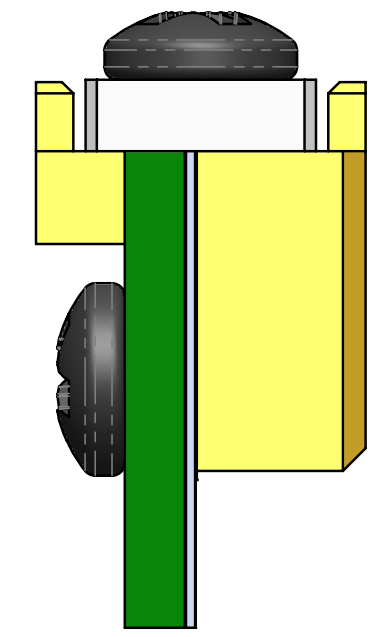
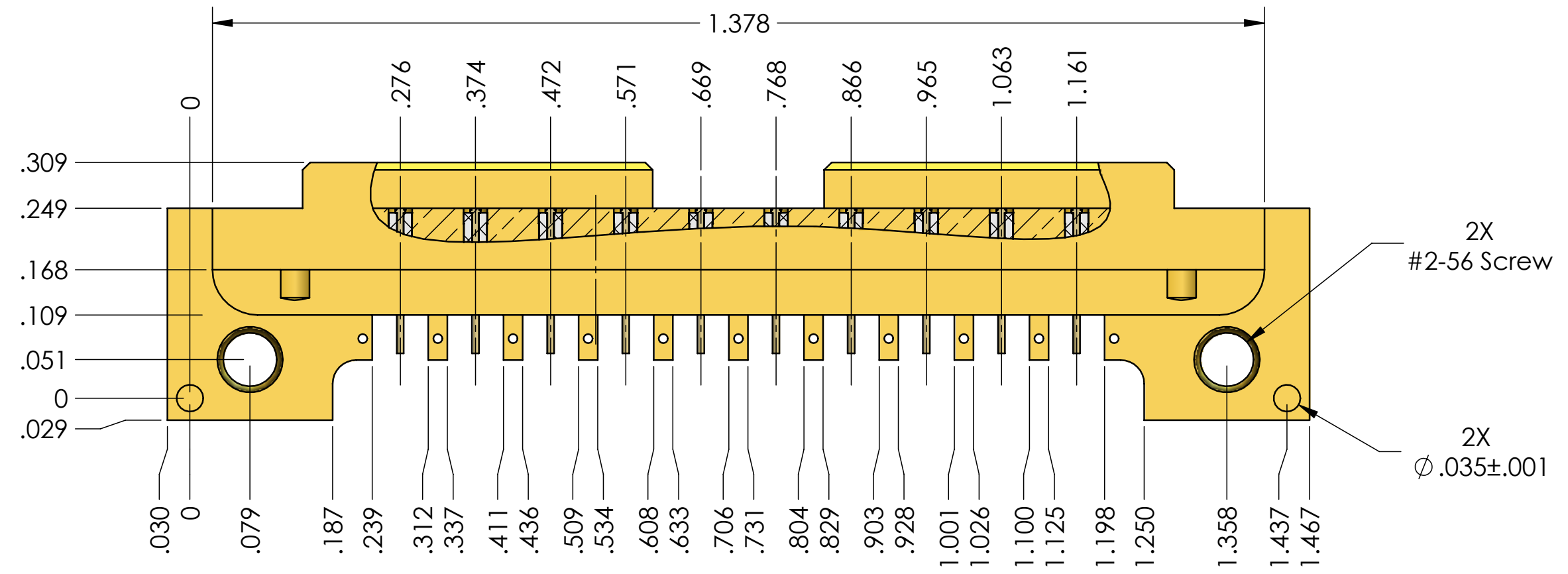
D



C



B



A

10 POSITION