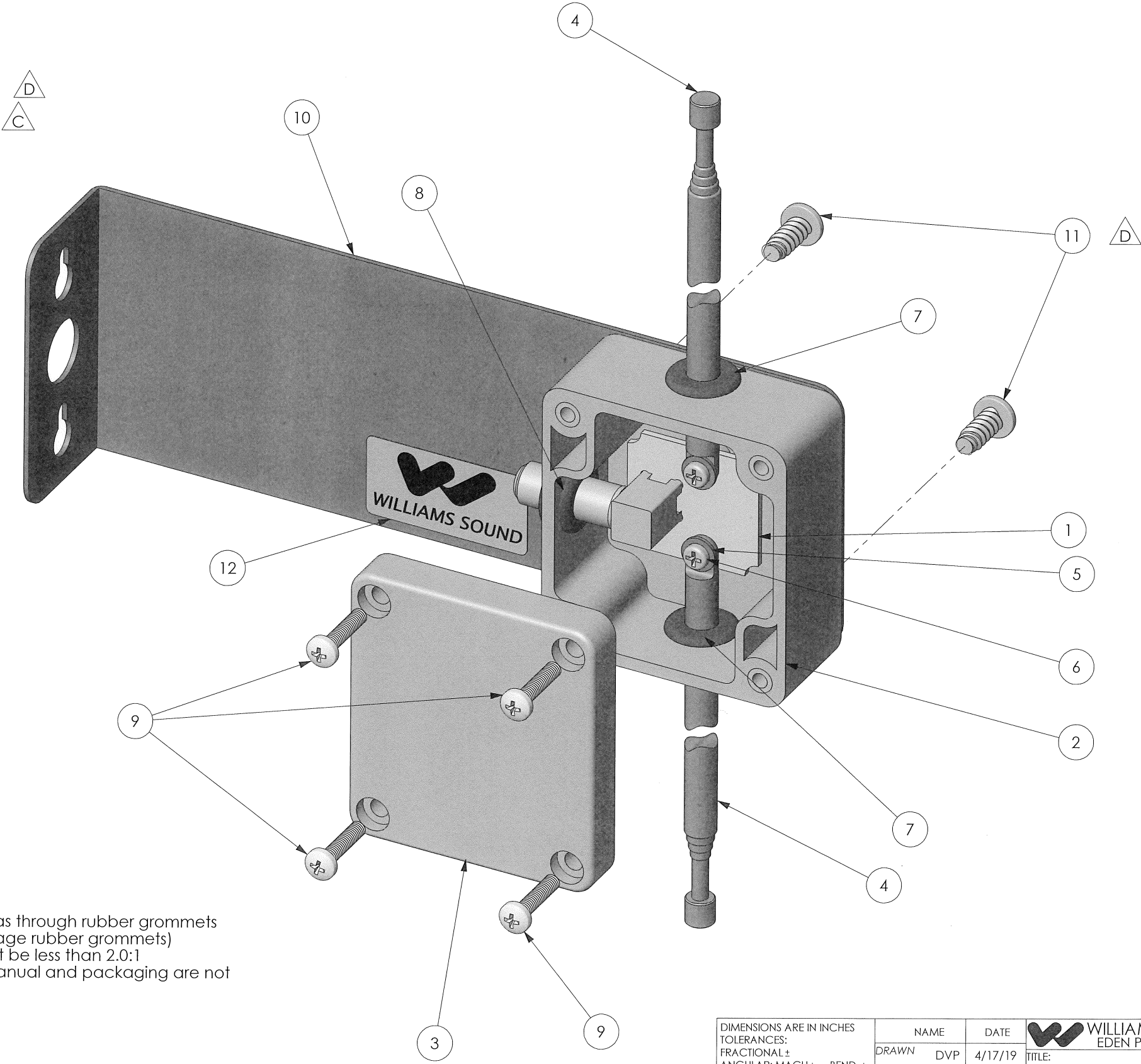


ITEM No.	Part No.	DESCRIPTION	QTY.
1	PCA 223	PC assembly, ANT 024	1
2	PLE 016 - base	Plastic enclosure, 2.5 x 2.25 x 1.4	1
3	PLE 016 - cover	Plastic enclosure, 2.5 x 2.25 x 1.4	1
4	ANT 031	Antenna, telescoping, 18.2"	2
5	FFW 004	Fastener, flat washer, #4, zinc plated steel	2
6	FSS 4516	Screw, thread forming, Plastiite, #4x5/16"	2
7	RBG 006	Rubber grommet, 1/4" ID, 7/16" panel hole	2
8	RBG 007	Rubber grommet, 3/8" ID, 7/16" panel hole	1
9		M3.5 x 16mm screw, pan head, phillips (comes with PLE 016)	4
10	BKT 016	Bracket, metal, PPA dipole antenna	1
11	FSS 1048	Screw, thread forming, Plastiite, pan head, Phillips, #10x1/2"	2
12	IDZ 241	ID label, WS name & logo, thermal transfer printed onto Metallized Polyester label	1

REV.	DESCRIPTION	ECO	DATE	BY
A	Original design with ANT 017			DVP
B	Replaced ANT 017 with ANT 031; added PCA	1607	7/28/08	DVP
C	Replace IDL 011 with IDZ 241	1699	9/28/09	DVP
D	Replace FSS 1248 with FSS 1048	2250	4/17/19	DVP

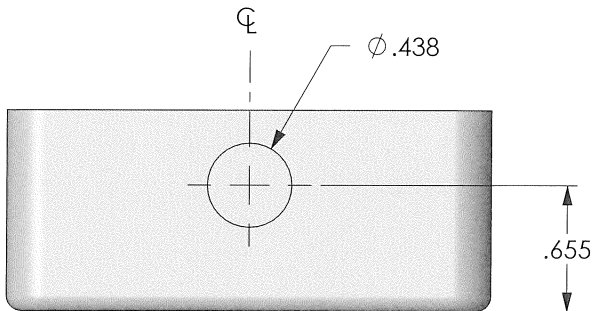
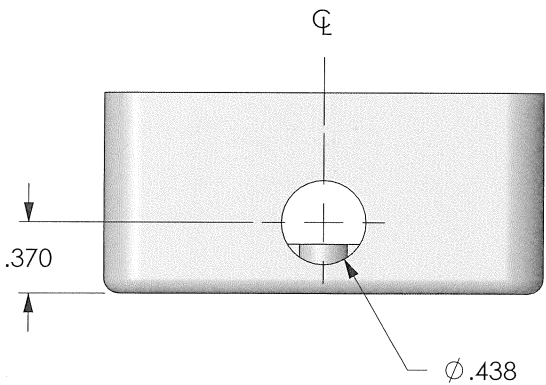
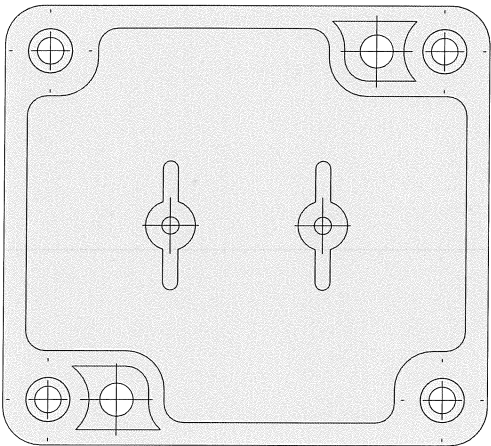
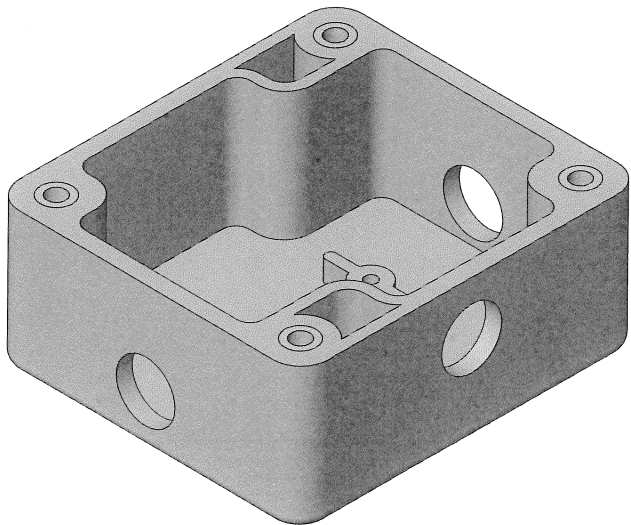


- Notes:
1. Drill holes in PLE 016 per dimensions on Sheet 2
 2. Assemble rubber grommets into PLE 016
 3. Use isopropyl alcohol to lubricate ANT 031 antennas when inserting antennas through rubber grommets (Isopropyl alcohol will evaporate and not leave any residue, nor will it damage rubber grommets)
 4. After final assembly, test antenna for Standing Wave Ratio (SWR). SWR must be less than 2.0:1
 5. End-user-installed mounting hardware, coax cable assembly, installation manual and packaging are not documented on this drawing
 6. All materials to comply with RoHS 3

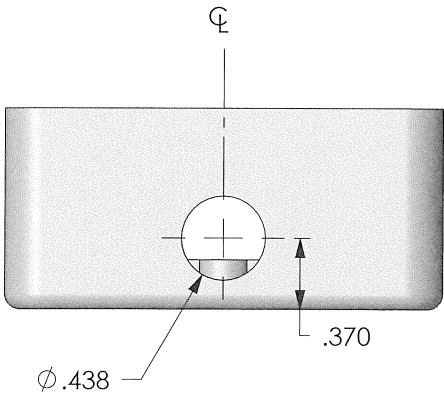
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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±.015 THREE PLACE DECIMAL ±.005 DO NOT SCALE DRAWING		NAME DVP	DATE 4/17/19	 WILLIAMS SOUND, LLC EDEN PRAIRIE, MN 55344
B SIZE		CHECKED BSM ENG APPR. JWW	4/17/19 4/18/19	
		TITLE: Dipole antenna assembly		REV D
		DRAWING NUMBER	ANT 024	

REV.	DESCRIPTION	ECO	DATE	BY
-	See Sheet1	-	-	-



PLE 016 Base/bottom
Hole drilling locations



DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±.015 THREE PLACE DECIMAL ±.005 DO NOT SCALE DRAWING		NAME	DATE	 WILLIAMS SOUND, LLC EDEN PRAIRIE, MN 55344 TITLE:
		DRAWN DVP	4/17/19	
		CHECKED <i>BSM</i>	4/17/19	
		ENG APPR <i>SKW</i>	4/18/19	
B SIZE		DRAWING NUMBER ANT 024		REV D

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