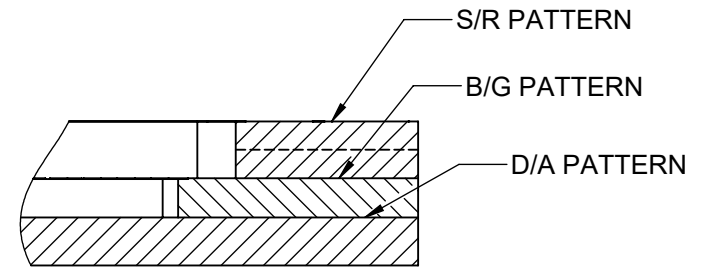
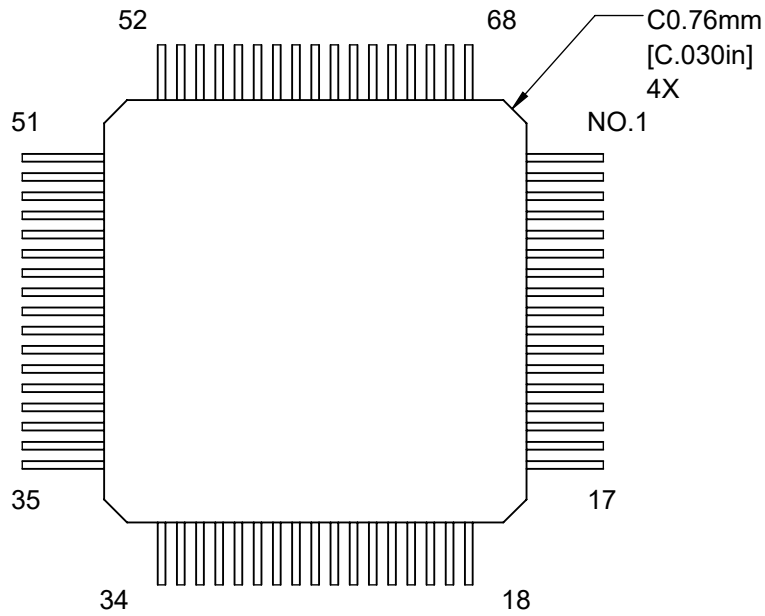


**OPEN PACKAGE WITHOUT LID
TIE-BAR LEAD FRAME**

- Notes: (Unless Otherwise Specified).
 1) DIMENSIONS: MM [INCH].
 2) FLAT LEADS ON ALLOY 42 TIE BAR.
 3) ALL EXPOSED METAL GOLD PLATED (Au).
 60 micro-inch thick gold.

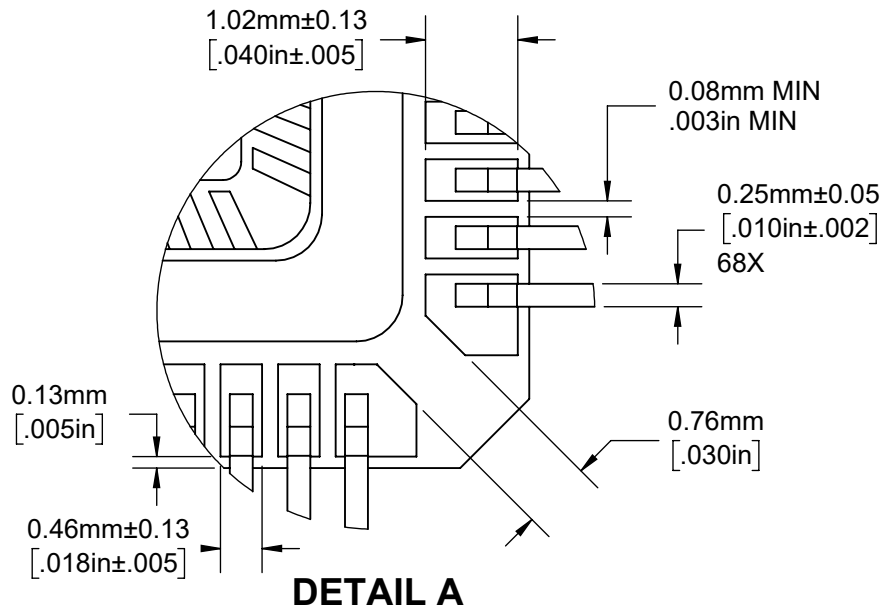
APPROVALS	DATE	TopLine [®]			
DRAWN T. Au	7/2/2020				
ENG M. Hart	7/2/2020	TITLE CERQUAD68F25-N300 TIE BAR			
MFG		SCALE	SIZE	DRAWING NO.	REV
QA		2.75:1	A	186800	A
CUST		DO NOT SCALE DRAWING			SHEET 1 OF 6
REVISED					

BOTTOM SIDE

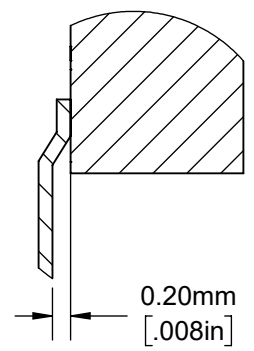


PACKAGE LAY-UP

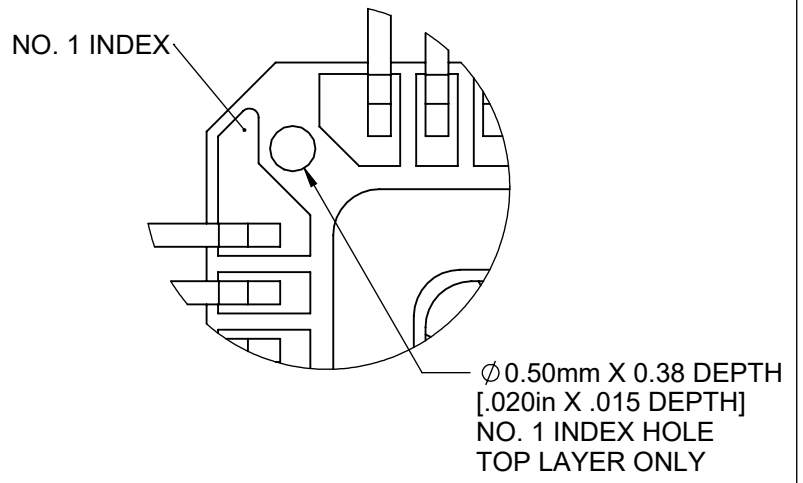
TopLine®			
TITLE CERQUAD68F25-N300 TIE BAR			
SCALE 4:1	SIZE A	DRAWING NO. 186800	REV A
DO NOT SCALE DRAWING		SHEET 2 OF 6	



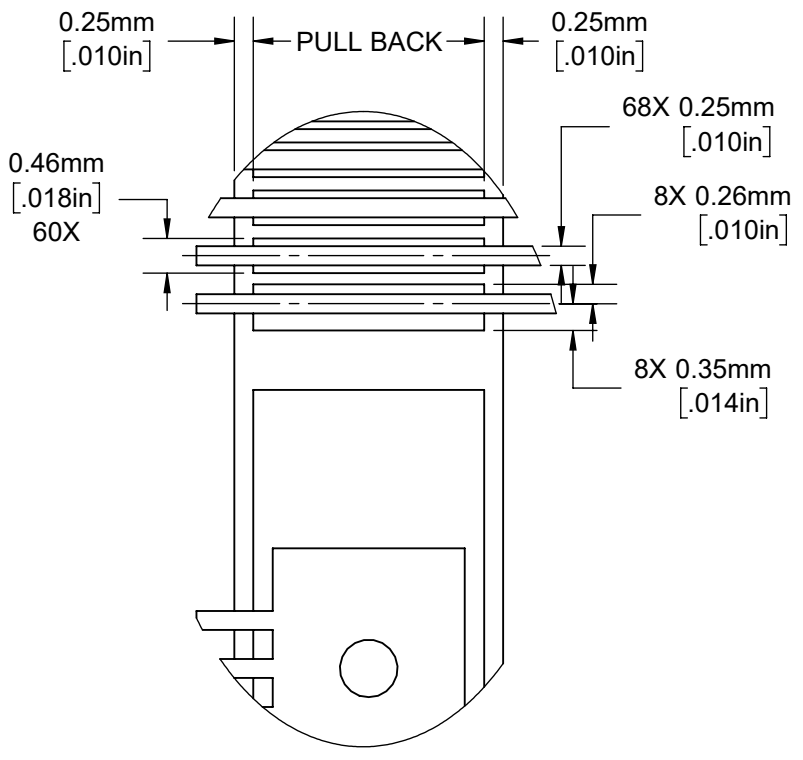
DETAIL A



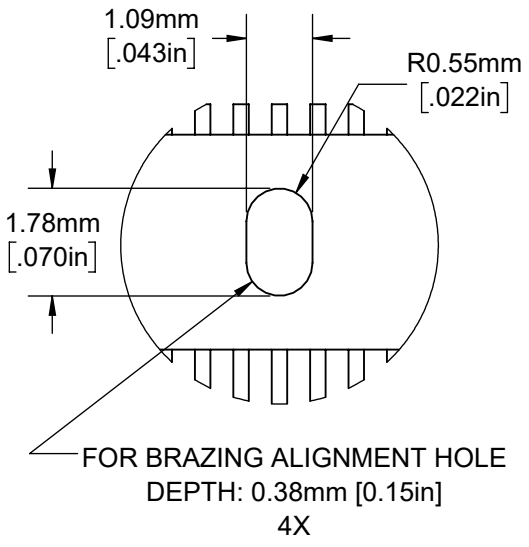
DETAIL B



DETAIL C



DETAIL D

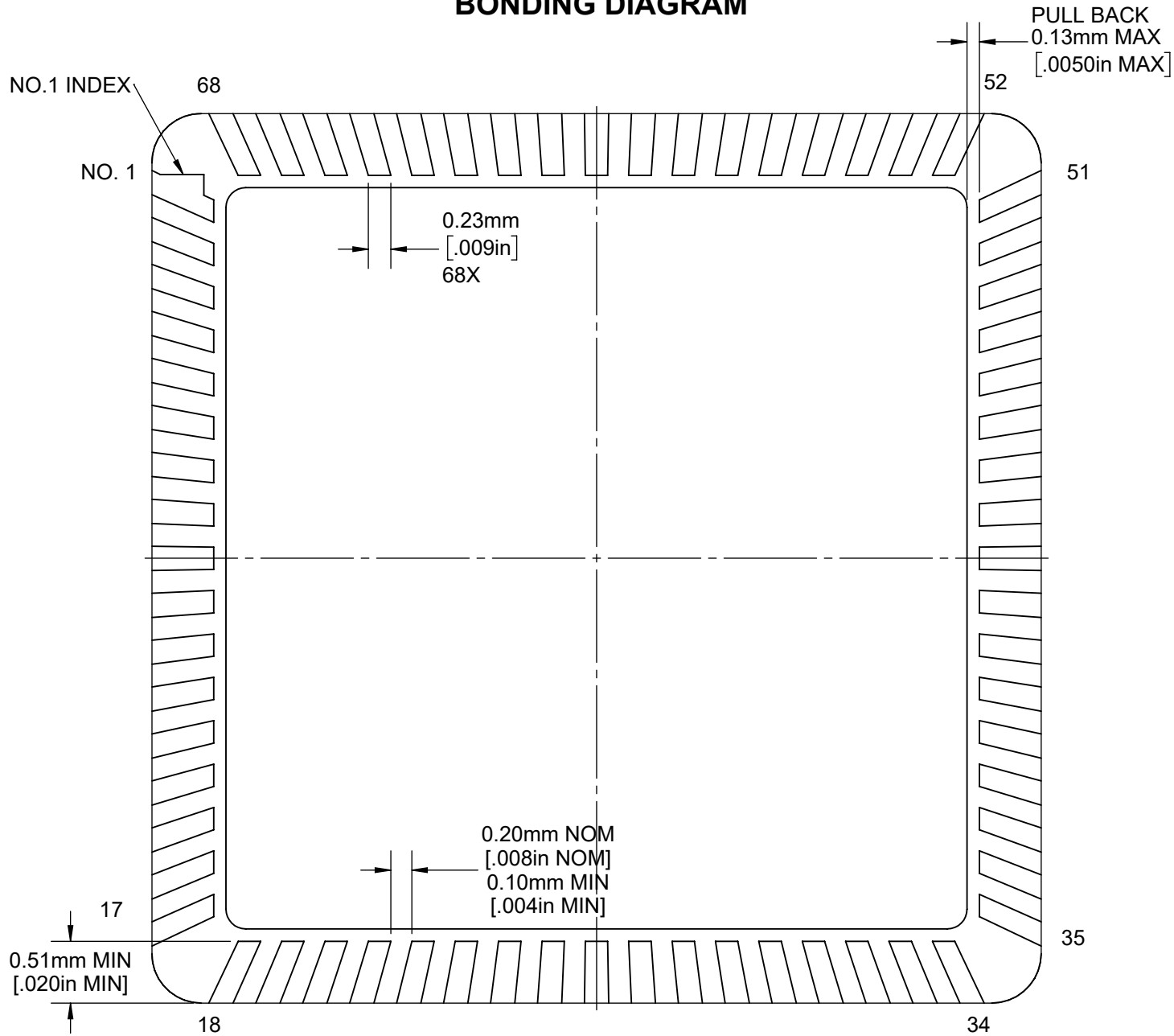


**DETAIL E
[BACK SIDE]**

- NOTES:**
1. 1.5µm [60µ-inch] MIN OVER.
2.5µm [100µ-inch] MIN NICKEL.
 2. NO.17 LEAD TO BE ELECTRICALLY CONNECTED TO THE S/R & D/A.
 3. LEAD PULL STRENGTH 2.23N MIN AT 90°.
 4. S/R AND D/A TO BE METALLIZED.
 5. LEAD RESISTANCE: 300mΩ.

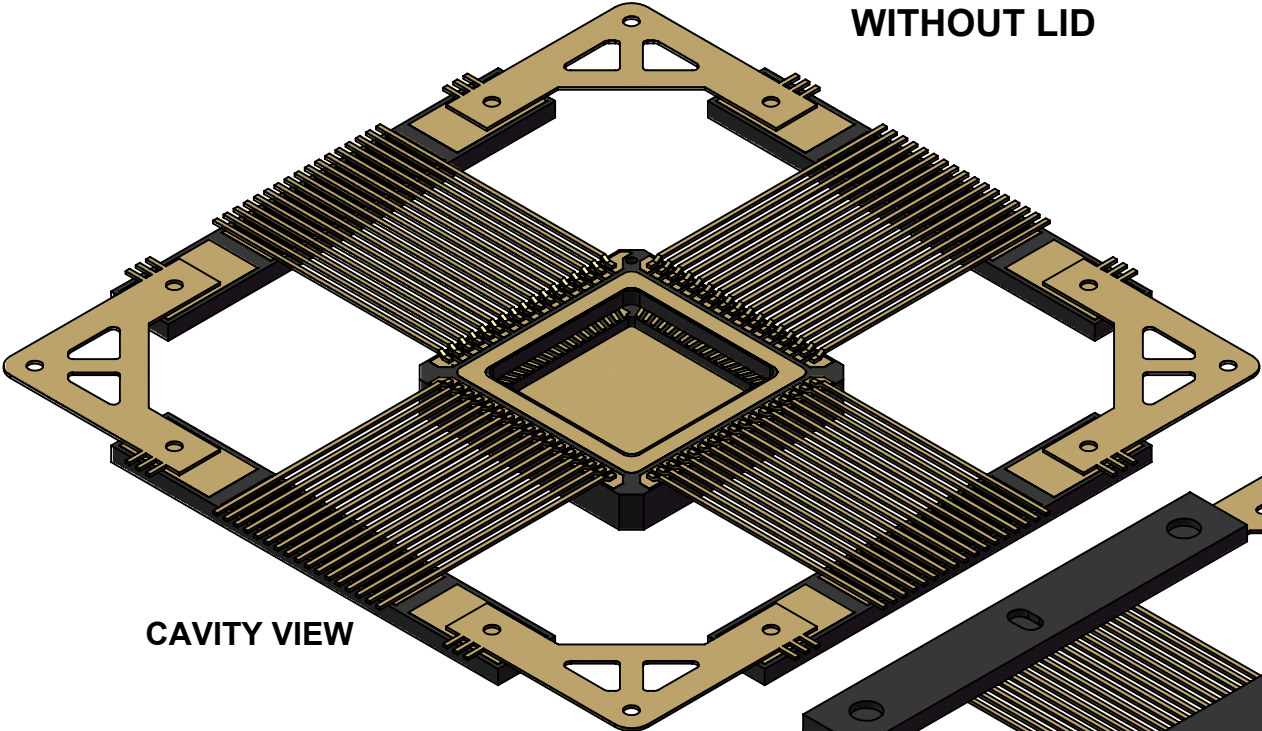
TopLine®			
TITLE		CERQUAD68F25-N300 TIE BAR	
SCALE	SIZE	DRAWING NO.	REV
12:1	A	186800	A
DO NOT SCALE DRAWING			SHEET 3 OF 6

BONDING DIAGRAM

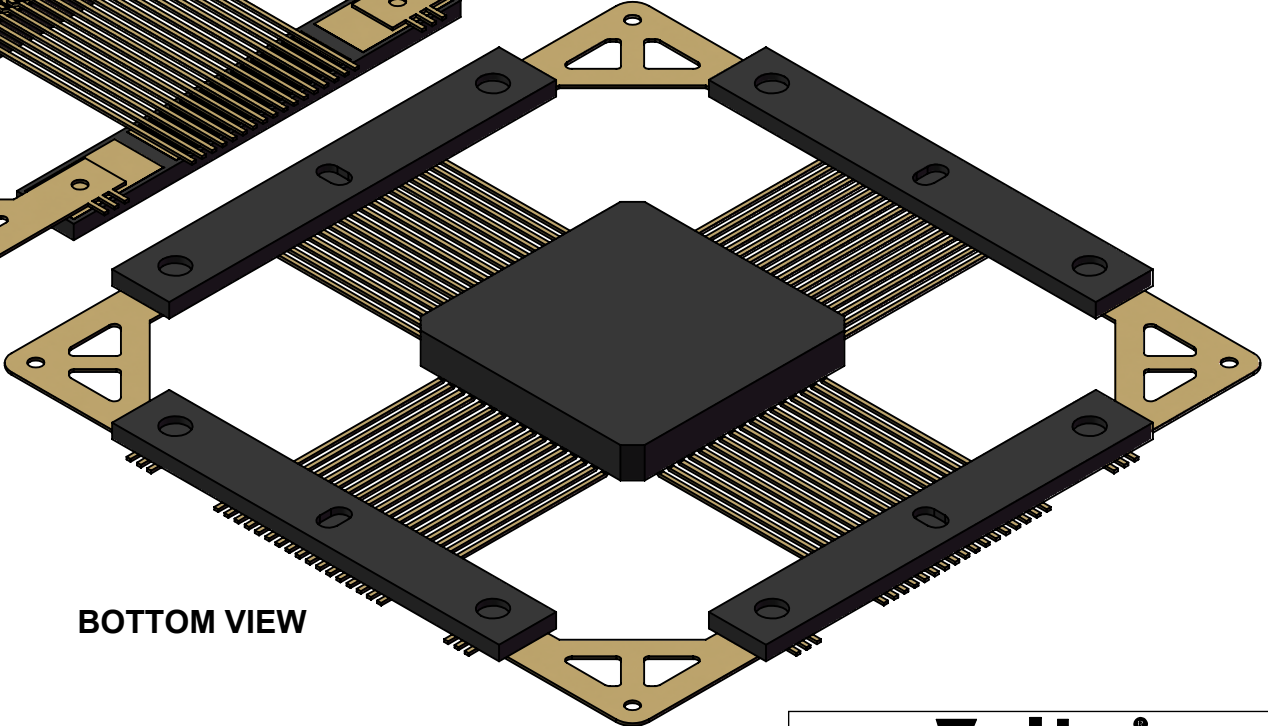


TopLine®			
TITLE CERQUAD68F25-N300 TIE BAR			
SCALE 16:1	SIZE A	DRAWING NO. 186800	REV A
DO NOT SCALE DRAWING		SHEET 4 OF 6	

**MODELS
OPEN PACKAGE
WITHOUT LID**



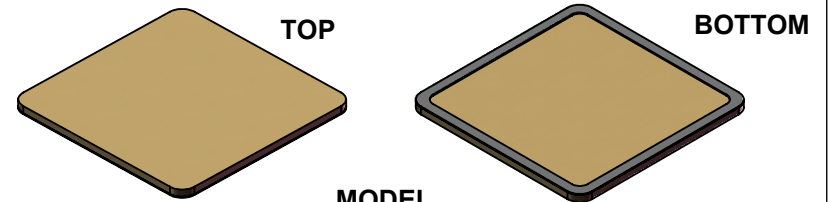
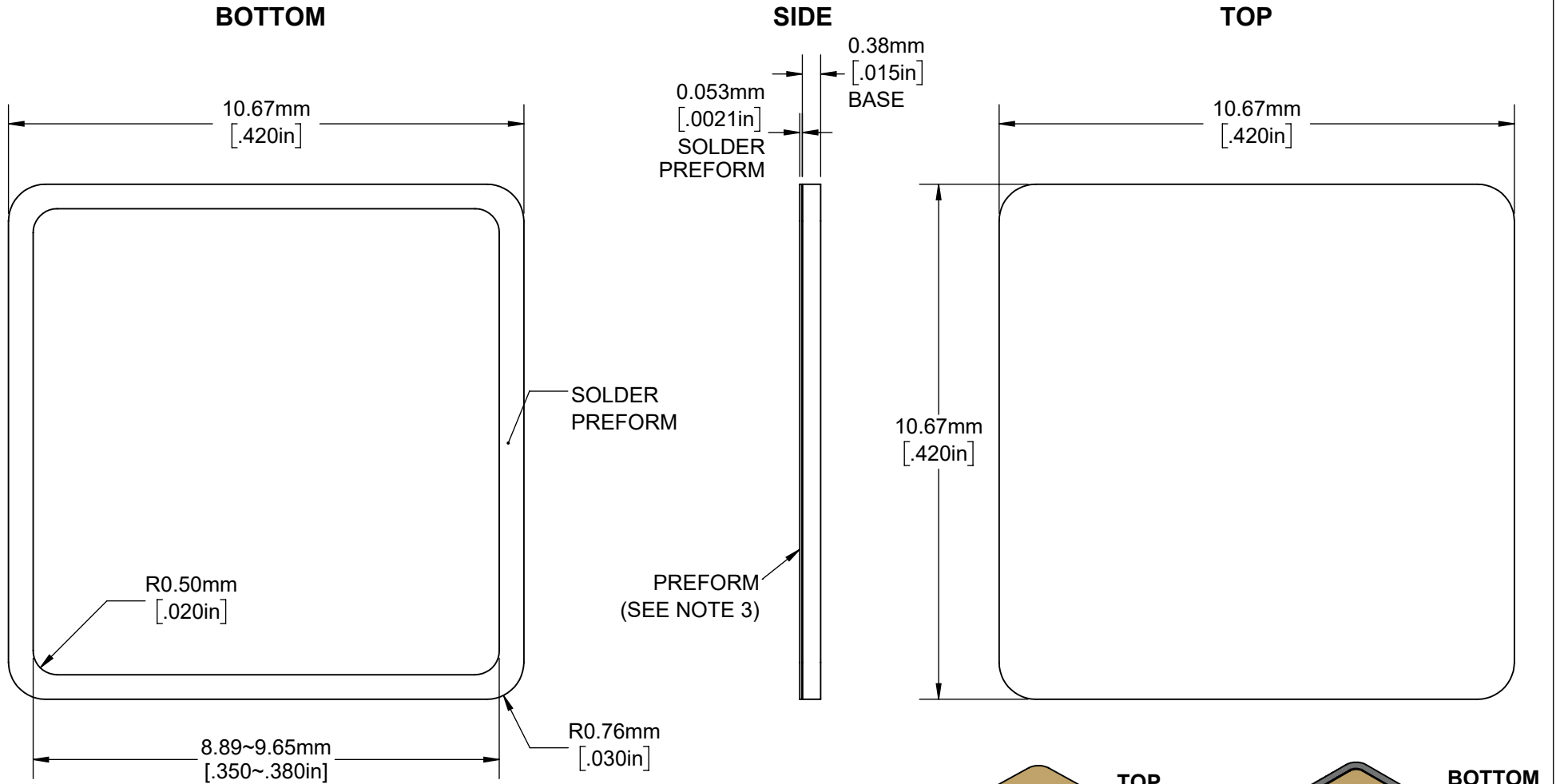
CAVITY VIEW



BOTTOM VIEW

TopLine®			
TITLE		CERQUAD68F25-N300 TIE BAR	
SCALE	SIZE	DRAWING NO.	REV
3:1	A	186800	A
DO NOT SCALE DRAWING			SHEET 5 OF 6

OPTIONAL COMBO LID



NOTES:

1. BASE MATERIAL: KOVAR or ALLOY 42.
2. PLATING: Ni 50~350 MICRO-INCH PER SIDE.
Au 25 MICRO-INCH MIN PER SIDE.
3. SOLDER PREFORM: Au 80% ± 1.0 Sn 20%.
4. FLATNESS 1.0 MIL (25µm) MAXIMUM PER 0.5-inch (12.7mm).

MODEL

TopLine®			
TITLE		CL-420SQ-B COMBO LID	
SCALE	SIZE	DRAWING NO.	REV
8:1	A	164200	A
DO NOT SCALE DRAWING			SHEET 6 OF 6