

A	CUSTOMER DRAWING RELEASE	10/17/2023	JH	CM
REV	DESCRIPTION	DATE	DWN	APVD

D

D

DWG NO
HUM-FFF-PPP

THIS DRAWING IS A CONTROLLED DOCUMENT

C

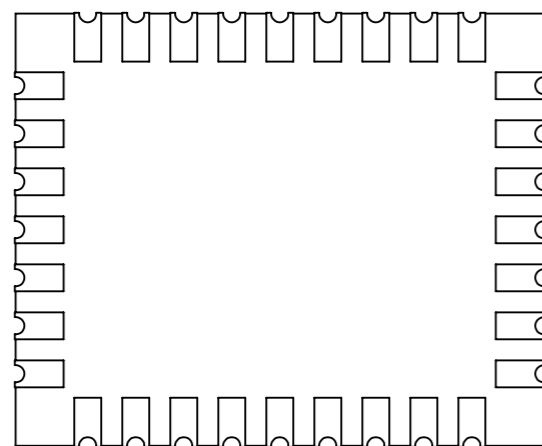
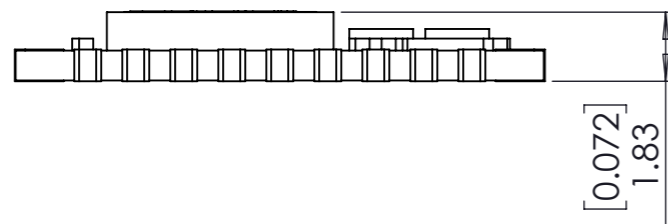
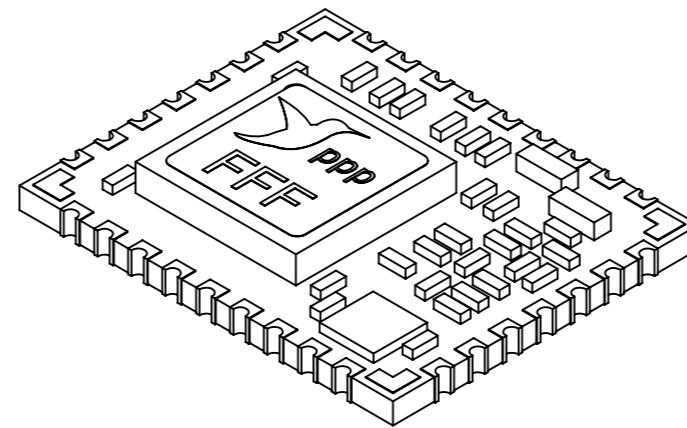
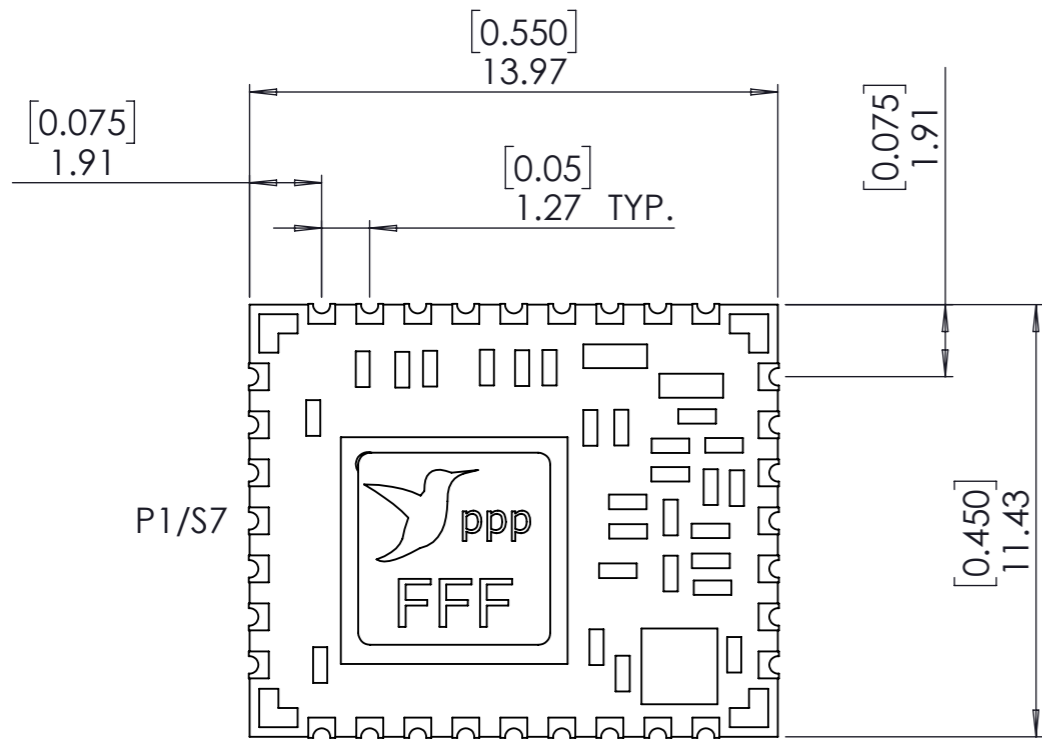
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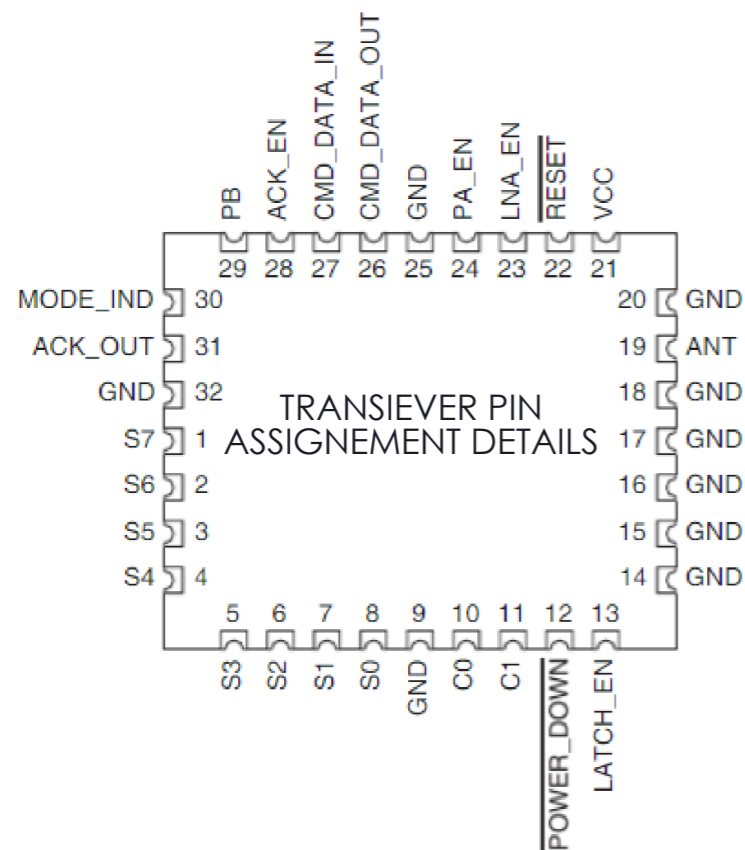
- ALL DIMENSIONS ARE IN MM [INCHES].
- ALL MATERIALS PRODUCT AND PROCESSES MUST MEET REQUIREMENT OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702 CONTAINS NO BANNED OR RESTRICTED SUBSTANCES.
- NO REACH SVHC SHALL BE CONTAINED ABOVE THE THRESHOLD AS DEFINED IN REACH SVHC COMPLIANCE DEFINITION IN ANNEX "A" OF TEC-138-702.
- ELECTRICAL DATA SHOWN FOR REFERENCE ONLY. SEE DATA SHEET FOR COMPLETE PROGRAMMING, ASSIGNMENT, INTEGRATION AND PROCESSING DETAILS MARKING PERMINANT USING KAPTON HIGH TEMPERATURE LABELS.
 - "PPP" SHALL BE POIDUCT TYPE AS SHOWN ON LAST 3 DIGITS OF PART NUMBER.
 - "FFF" SHALL INDICATE FREQUENCY OF MODULE PROGRAMMING.
- REFLOW CAPABLE. SEE SHEET 2 FOR PROCESSING DETAILS PRODUCT PROTECTED DURING SHIPMENT USING TRAYS OF 128PC SHIPPED IN CARTON.

PART NUMBER	FREQUENCY
HUM-868-PRC	868MHz
HUM-868-PRO	868MHz
HUM-900-PRC	900MHz
HUM-900-PRO	900MHz

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		CHK	-	-						
		APVD	CMURPHY	10/17/23	HUMMINGBIRD TRANSIEVER MODULE TAB FREQ.					
		PRODUCT SPEC	-	-						
		APPLICATION SPEC	-	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
		WEIGHT	0.001	g	A3	00779	©=HUM-FFF-PPP	-		
		CUSTOMER DRAWING			SCALE	5:1	SHEET	1 OF 2	REV	A

DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
		0 PLC	± 0.5
		1 PLC	± 0.25
		2 PLC	± 0.13
		3 PLC	
		4 PLC ANGLES	± 30'
MATERIAL	FINISH		

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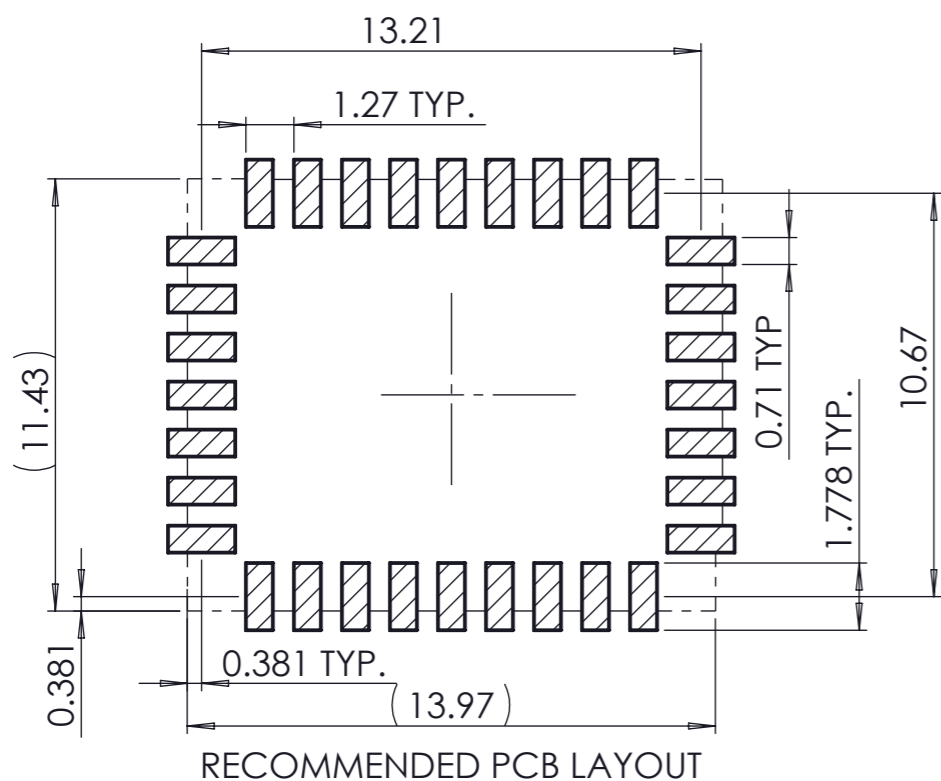
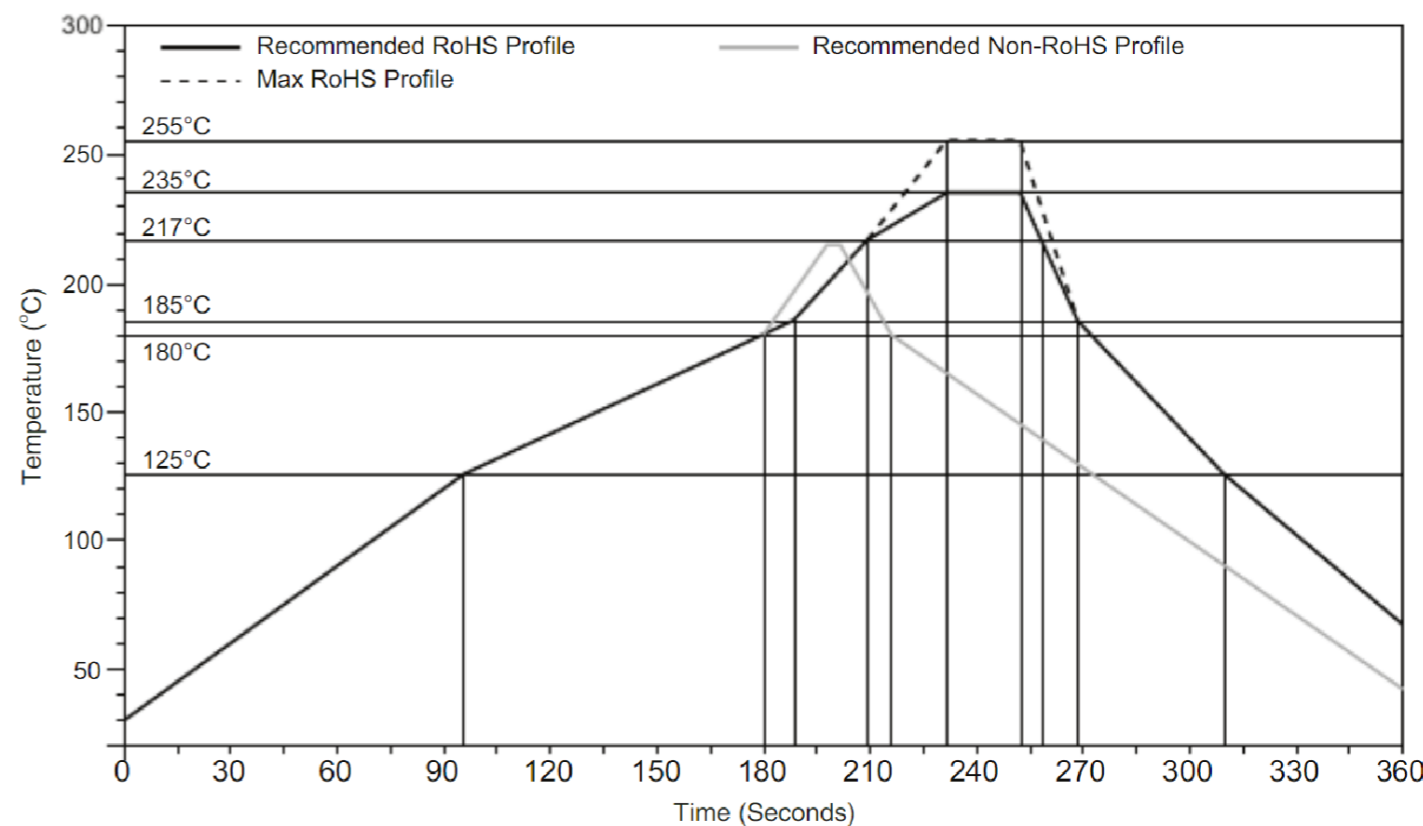


REFLOW NOTES FOR AUTOMATED ASSEMBLY:

For high-volume assembly, the modules are generally auto-placed. The modules have been designed to maintain compatibility with reflow processing techniques; however, due to their hybrid nature, certain aspects of the assembly process are far more critical than for other component types. Following are brief discussions of the three primary areas where caution must be observed.

The single most critical stage in the automated assembly process is the reflow stage. The reflow profile should not be exceeded.

Pay careful attention to the oven's profile to ensure that it meets the requirements necessary to successfully reflow all components while still remaining within the limits mandated by the modules.



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DIMENSIONS: mm		CHK	-	-								
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	CMURPHY	10/17/23	HUMMINGBIRD TRANSIEVER MODULE TAB FREQ.							
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES		PRODUCT SPEC	-	-								
MATERIAL		FINISH	-	-	SIZE	A3	CAGE CODE	00779	DRAWING NO	©=HUM-FFF-PPP	RESTRICTED TO	-
		SEE SHEET 1 FOR DETAILS	WEIGHT	0.001 g	CUSTOMER DRAWING		SCALE	5:1	SHEET	2 OF 2	REV	A