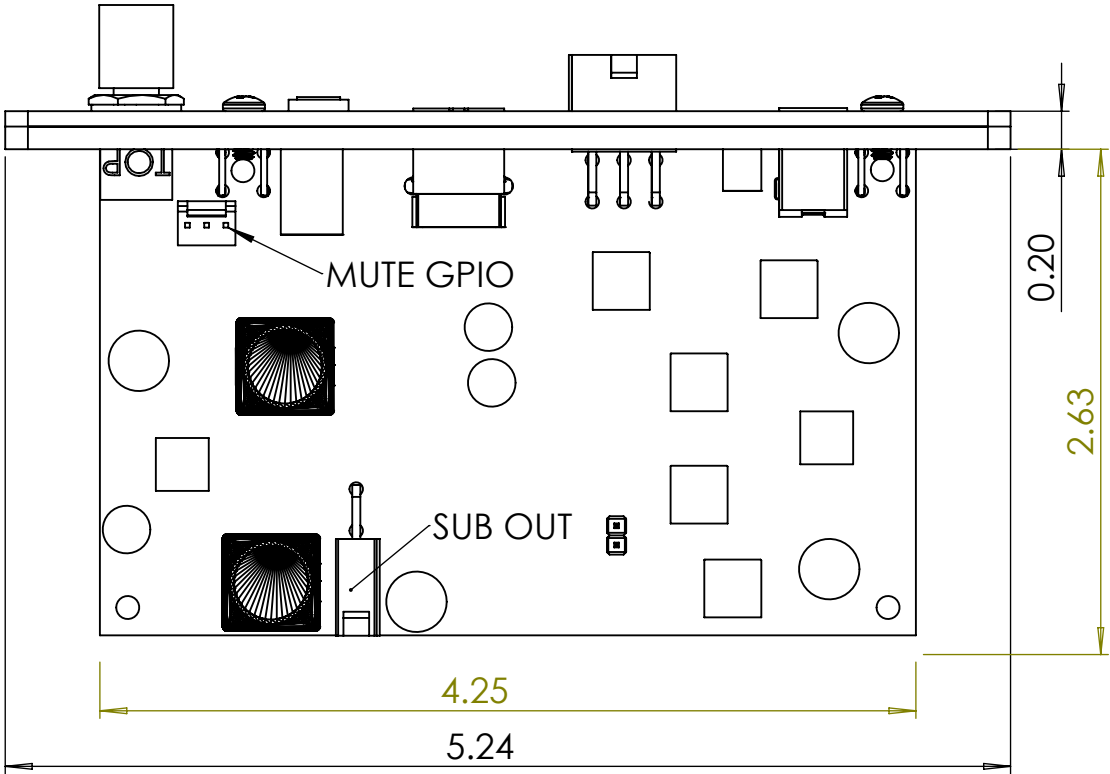
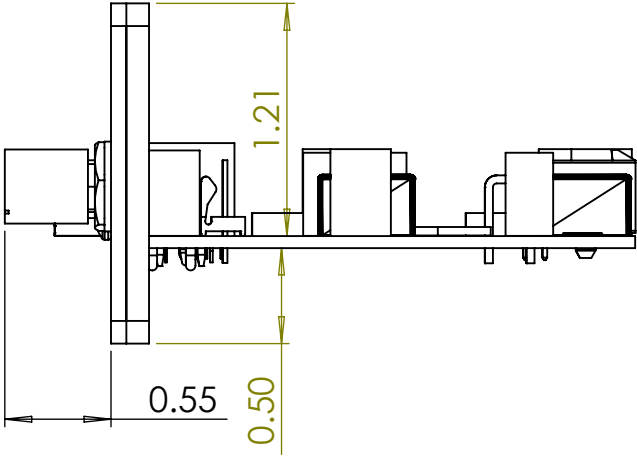
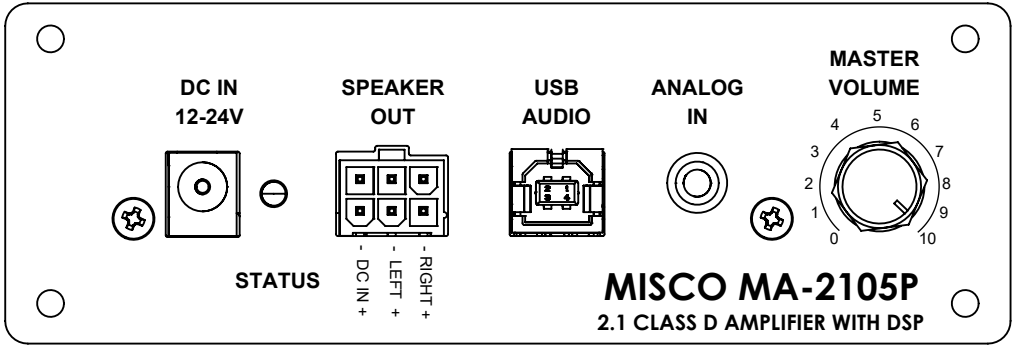
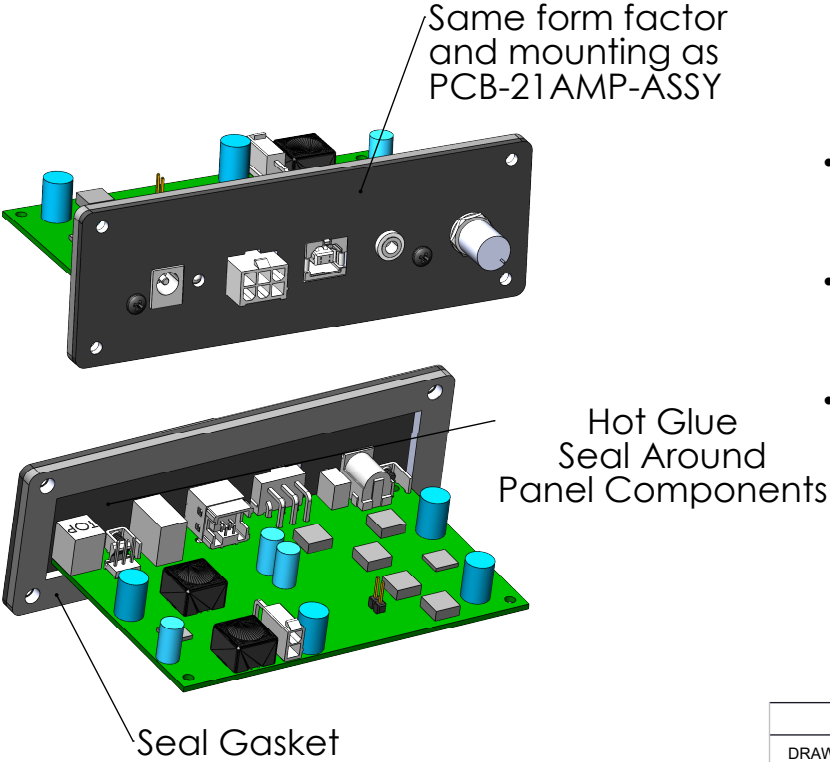



CONCEPT REVISIONS			
REV.	DESCRIPTION	DATE	DRAWN
CR1	Initial concept revision for internal discussion.	11/2/18	JPG
CR2	Removed Delay Processing. Moved Mute GPIO connector.	11/13/18	JPG
CR3	Added Misco PN, 38078. Note, minor changes may be required during development, placement still concept based at this time.	11/21/18	JPG
CR4	Flipped location of USB and 3.5mm connectors. Updated model #.	12/18/18	JPG
X1	Initial Release	3/1/19	JPG
A	Final changes before mass production run. L/R Speaker out flip and some PCB layout changes for improved thermal management.	12/30/19	JPG



- MISCO MA-2105P**
2.1 CLASS D AMPLIFIER WITH DSP
- **STEREO AUDIO INPUTS**
 - ANALOG LINE, 3.5MM
 - USB STREAMING 48kHz
 - INPUTS SIMULTANEOUS, W/VOL OFFSETS
 - **DIGITAL SIGNAL PROCESSING (DSP)**
 - 10 BAND EQ (PEAK/DIP, SHELVEING)
 - CROSSOVERS
 - 2-BAND COMPRESSOR
 - MASTER AND OFFSET VOLUMES
 - **SYSTEM CONTROL**
 - AUDIO TUNING, WINDOWS PC APP
 - MASTER VOLUME KNOB (LOCKOUT OPTION)
 - GPIO AMP MUTE CONNECTOR
 - CUSTOM TUNINGS EASY TO LOAD VIA USB
 - **OUTPUT POWER (w/24VDC PSU)**
 - L/R, 25W/ch 4 ohms <10% THD+N
 - SUB, 40W 4 ohms <10% THD+N
 - **POWER INPUT**
 - 12-24VDC
 - OPTIONAL 24VDC 90W SUPPLY
 - **MECHANICAL**
 - DESIGNED TO FIT INTO SUB CABINET
 - SAME FORM FACTOR AS PCB-21AMP-ASSY



MFJ 6POS (2x3) PINOUT			
1	Speaker R+	4	Speaker R-
2	Speaker L+	5	Speaker L-
3	12-24VDC +	6	Ground
MFJ 2POS (2x1) PINOUT			
1	Speaker Sub +	2	Speaker Sub -

	NAME	DATE		
DRAWN	JPG	4/2/2020		
CHECKED				
ENG APPR.				
MFG APPR.				
Q.A.			TITLE: 2.1 USB STREAMING PLATE AMP w/DSP	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MISCO. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION IS PROHIBITED.			SIZE B	REV. A
			PART NUMBER 38078	
			SCALE:	SHEET 1 OF 1

All dimensions in inches
Tolerances +/- 0.020"