

# ALTO

## AVIATION

Premium Cabin Audio/Entertainment Solutions  
for all aircraft in Business Aviation™



## M1285R

Aircraft Chime Amplifier  
with 12 Tones

The ALTO M1285R chime amplifier is a TSO-C139a certified amplifier for aircraft cockpit or passenger address tone generation. The unit has 12 available tones, which can be triggered by high or low opto-isolated discrete logic inputs. The amplifier has an audio power amplifier output supporting loudspeaker loads down to 4 ohms and up to 30 watts. The amplifier has two line outputs capable of providing 40mW into 600 ohm. The unit is fully configurable via a custom software interface to support custom tone and volume settings.

### FEATURES

- Unit certified to TSO-C139a
- Software certified to DO-178B Level D
- 1 speaker channel, 30 Watts RMS, Class D for very high efficiency with low heat output
- 2 line output channels
- Custom software allows for easily adjustable tone and volume settings
- Operates on 28VDC power supply
- Weighs less than 2.9 lbs. (1.31kg)
- Identical mounting footprint as the original Baker M1285
- Identical main connector and pinout as the original Baker M1285
- 12 available tones, triggered by either high or low opto-isolated discrete logic inputs

### SPECIFICATIONS

Product Code	106580-1285
Frequency Response	20Hz - 20KHz
Power Supply	28VDC
Operating Current	500 mA idle, 1 A nominal, 2 A maximum
Output Power	30 Watts RMS @ 4 ohms
Output Load	Loudspeaker: 4 - 8 Ohm recommended
Distortion	<0.1% THD @ 50% rated power <0.5% THD @ rater power
Output Noise	<400 uV A-Weighted with no input signal
Dimensions	6.2"W x 3.63"H x 8.14"D (157.5mmW x 92.1mmH x 206.7mmD)
Weight	< 2.9 lbs / 1.31 kg
DO-160G Env. Cat.	[A2X]CAB[(SC)(HR)]EXXXXXZ[Z(XX)]AZ[AC][TT]M[XXE3XX][XXXX]XAX

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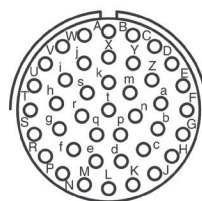
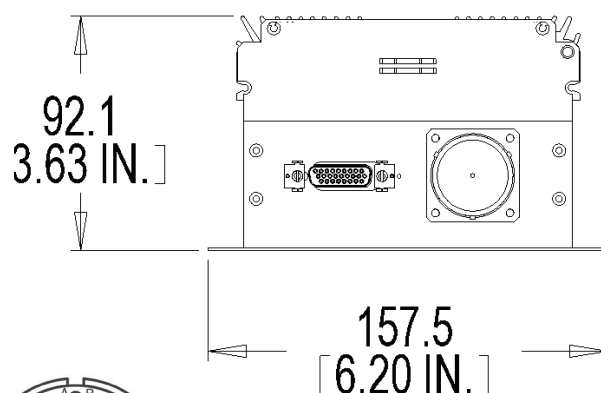
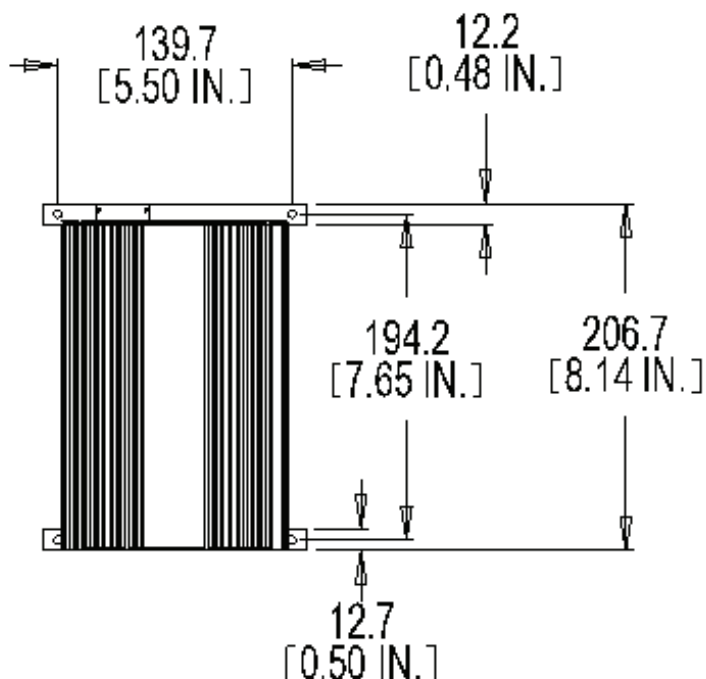
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#### DIMENSIONS



#### CONNECTOR PINOUTS

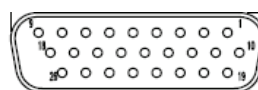
##### MAIN Connector j1

41 pin, Size 20 Circular Military Connector  
Mating connector

Amphenol MS3122E-20-41P-MIL  
Amphenol MS3126F-20-41S

##### Programming Connector J2

26 pin Female High-Density D-Sub  
Mating connector



Positronic # ODD26F4B100V5x  
Positronic # ODD26M10JVLX

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