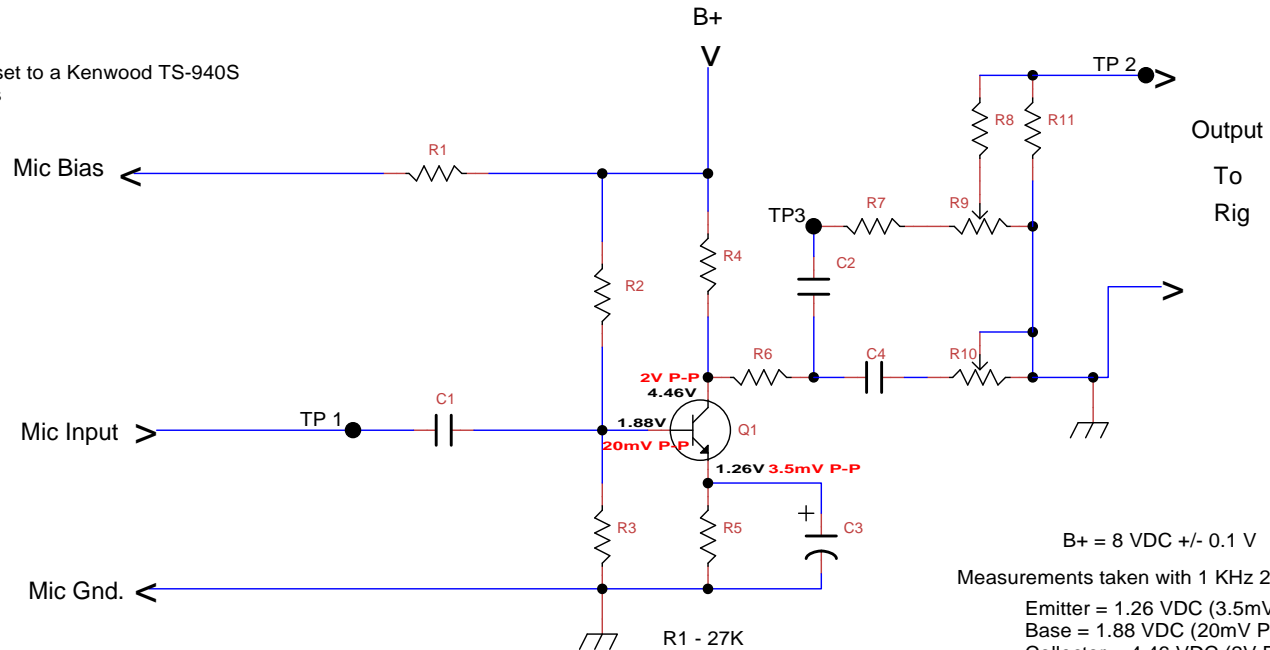
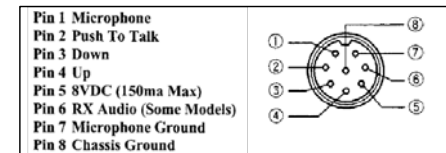


Designed for 8 or 9 VDC



B+ = 8 VDC +/- 0.1 V
 Measurements taken with 1 KHz 20mV P-P signal at TP1
 Emitter = 1.26 VDC (3.5mV P-P)
 Base = 1.88 VDC (20mV P-P)
 Collector = 4.46 VDC (2V P-P)



Original Objective

Match an inexpensive computer headset to a Kenwood TS-940S
 Headset uses is a Cyber Accoustics

Initial Setup

1. Inject Audio Signal of 1 KHz 20mV P-P at TP1
2. Adjust Audio Signal Generator Level of 1 KHz at TP1 for 1V P-P at TP3 (Verify Sinewave)
3. Change Audio Generator Signal to 10 KHz at TP1 and maintain level obtained in step 2
4. Adjust R10 for 0.2V P-P @ TP3
5. Change Audio Generator Signal to 1 KHz at TP1
6. Adjust R9 for 10mV P-P at TP2

This is done to establish attenuation curve for high frequency components
 R6, C4, and R10 establishes curve

- R1 - 27K
- R2 - 160K
- R3 - 56K
- R4 - 2.7K
- R5 - 1K
- R6 - 10K
- R7 - 100K
- R8 - 35K
- R9 - 10K Pot
- R10 - 50K Pot
- R11 - 10K
- C1 - .1uF
- C2 - .1uF
- C3 - 47uF
- C4 - .02uF
- Q1 - 2N2222A

2N2222A Beta over 200 in test Ckt.

Title		Mic Pre-Amp for Computer Head Set For Kenwood TS-940S	
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Design Engineering Support by		Larry Gugle (K4RFE) and Ray Lawson (K8KGM)	
File	am Radio - Electronics\Audio Amp\Audio-12.dsn		Document
Revision	- 12	Date	01/02/2013
1.0		Sheets	1 of 1