

4

3

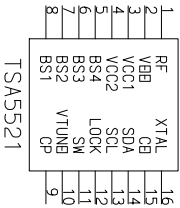
2

1

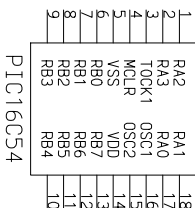
REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
100	-	ENGINEERING RELEASE	11/03/00
-	-	-	-
-	-	-	-

SYMBOL

DESCRIPTION



TSAS521, SYNTHESIZER
PHILLIPS SEMICONDUCTOR
PHASE/FREQUENCY DETECTOR
CHARGE-PUMP CONTROL SIGNAL
SERIAL PROGRAMMABLE
U2 - PHASE LOCK LOOP ELEMENTS THAT
CONTROL THE OUTPUT FREQUENCY
OF THE FM MODULATOR



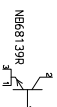
PIC16C54 MICROCONTROLLER
MICROCHIP
GENERAL PURPOSE PROGRAMMABLE
CONTROLLER.
U1 - SYNTHESIZER CONTROLLER AND
4 MHz REFERENCE OSC FOR THE
SYNTHESIZER



D100B, ZENER
D2 - 5VDC VOLTAGE REGULATOR



D100B, VARACTOR
D1 - TUNING D100B FOR FM MODULATOR



TRANSISTOR, NPN, MICROMA, AMP
NB681396, NPN, MICROMA, AMP
Q1, Q2 - RF AMPLIFIER
Q3 - NEGATIVE IMPEDANCE VCO



TRANSISTOR, NPN, GENERAL PURPOSE
Q4 - BUFFER AMPLIFIER
Q5 - 5.5 MHz OSC.

P/L		PROPRIETARY DO NOT USE WITHOUT WRITTEN CONSENT		TGE DESIGNS A LIMITED LIABILITY COMPANY TAMPA, FL USA	
SCHEM		DRAWING TITLE		FC2000TX, SHORT RANGE TRANSMITTER ACTIVE DEVICE LIST	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: XXX +/- .02 ANGLES +/- 1.000		DATE		SIZE / FORM NO.	
CONTRACT NO.		DATE		ONE NO.	
OWN BY		DATE		FC2000.DEV	
CHK BY		DATE		SCALE	
ENG		DATE		DO NOT SCALE DRAWING	
MGR		DATE		SHEET 1 OF 1	