



MOTOROLA INC.

Communications
Sector

MODEL C657AB-SP

AUXILIARY CURRENT OPTION

1. ATTACHMENT

-- Auxiliary Current Source Board Schematic Diagram
and Circuit Board Detail

3-SP3730637

2. DESCRIPTION

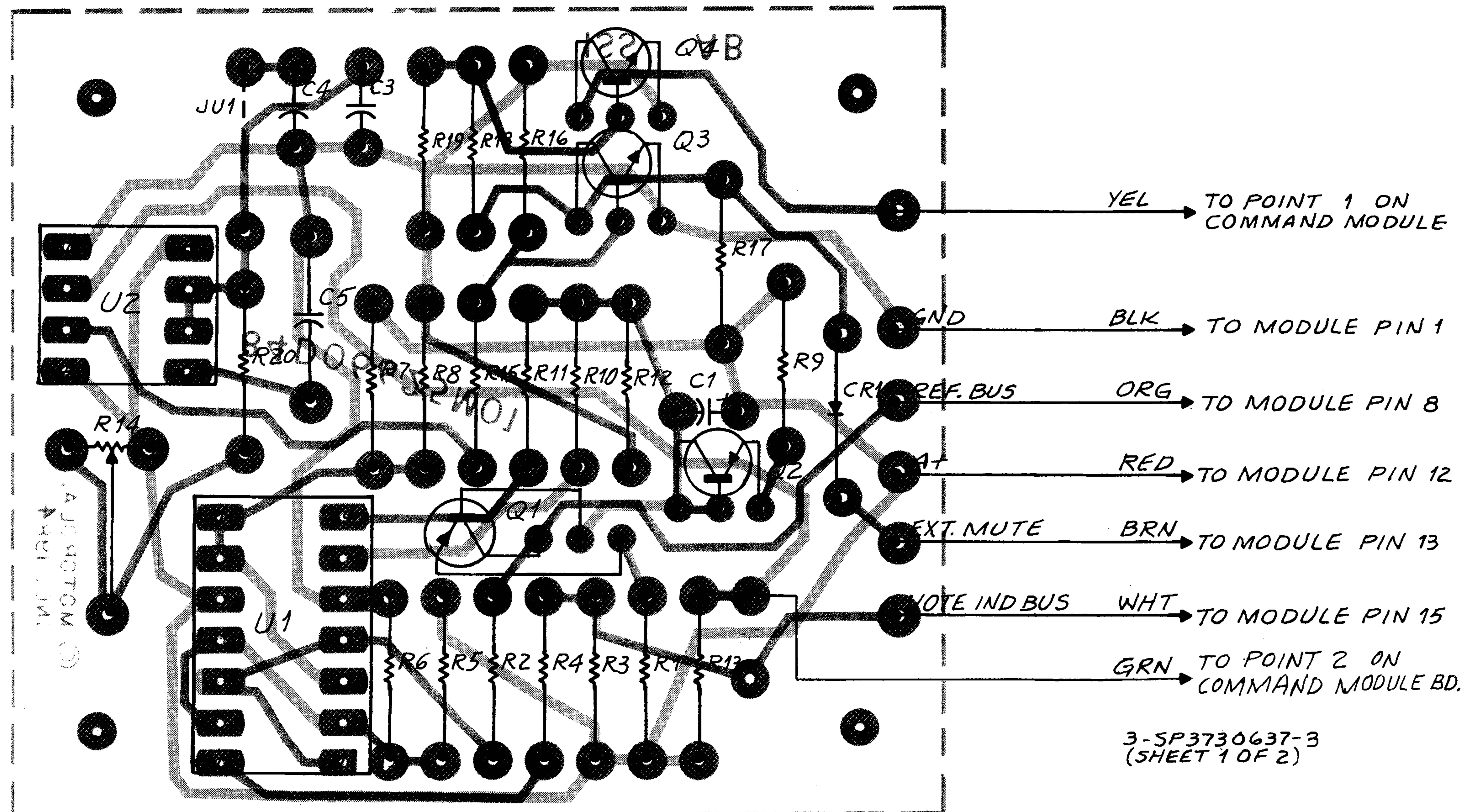
The C657AB-SP Auxiliary Current Option equips a Spectra-TAC™ comparator with the capability to control a larger than standard number of signal quality modules (SQM's). The option replaces the standard command module (TRN6093A) with a special TRN6093A-SP28 Command Module.

3. TRN6093A-SP28 COMMAND MODULE

This special "SP28" command module is a modified version of the standard Model TRN6093A Command Module described in the comparator instruction manual. The module is modified by removing transistor Q15 and adding an 1-06725B33 Auxiliary Current Source Board to accommodate the use of a larger than normal number of SQM's (Signal Quality Modules). A low input applied to U1-7 from the Vote Indicate bus input (pin 15) provides the logic circuitry to trigger the auxiliary current to be placed on the Reference Bus line at pin 8. The audio mute timer U2 on the auxiliary current source board and its associated yellow output lead labeled as point "1" are not used in this application. For circuit details relative to this circuit board, refer to attached diagram 3-SP3730637.

technical writing services

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THIS CIRCUIT BOARD CONNECTS TO AND IS
INSTALLED ON THE COMMAND MODULE

