

Doc No.: TN20-10
Version: 1.0
Date: 17 April 1997
Subject: Intermittent Power Up, Watchdog operation or Power Failure

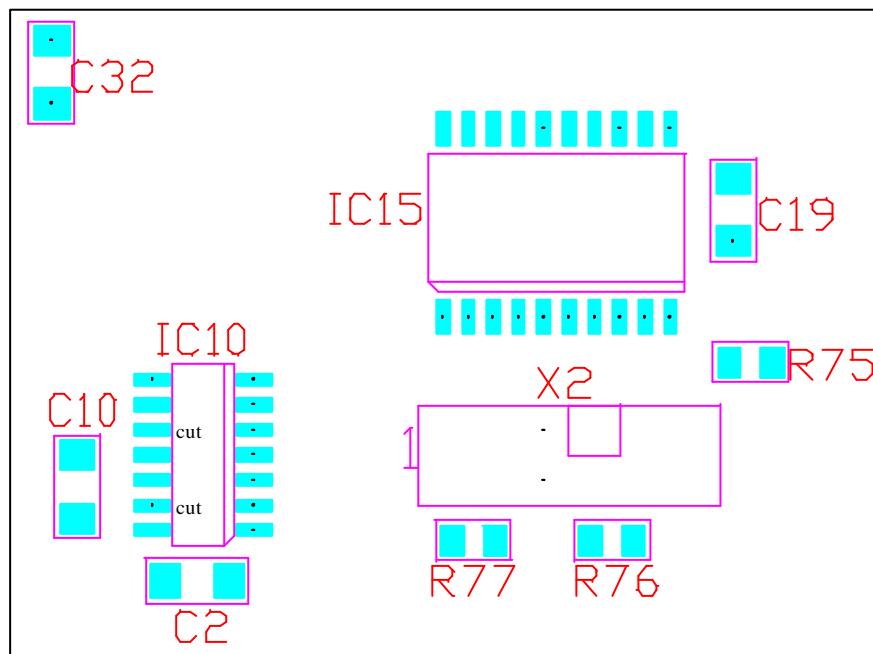
*** MC2 ONLY ***

As a result of Trio's policy of continuous quality checks on all products shipped and any returned for repair a potential cause of premature failure has been discovered on a number of P110 (MC2) modules, version F or later. This problem potentially affects boards with serial numbers from MC2196 to MC2357 and P110-02358 to P110-02567 inclusive. According to our records you have received at least one of these boards.

To avoid potential problems Trio recommend that a small modification is carried out. MC2's can be returned to Trio for modification or carried out by distributors without affecting the warranty. If any MC2's are modified Trio must be informed of the serial number and date the modification was carried out. We will then offer a twelve month warranty from the date of modification provided the modification is carried out within six months of receiving this notification.

Two pins have to be removed from IC10 as shown on the diagram below. These are pins 10 and 13. To perform this operation it is necessary to remove the plastic bezel from the front of the module, followed by the top cover for the ribbon connector and the right hand side cover. See the manual for more details on assembly of the case. It is suggested that the pins are cut with a fine pair of wire cutters close to the plastic body of the IC and another cut made closer to the PCB to ensure that there is no chance of any remaining part of the pin making contact again.

If this modification is not carried out it is possible that the MC2 may exhibit various symptoms including intermittent power up or watchdog operation or a complete failure to power up. If these problems occur then the MC2 must be returned to Trio for further checks.



If further advice is needed please contact Trio for assistance.