Note, first check that the following configuration is implemented on the Breadboard prior to manufacture of QM, FM, FS.

LK1	connect 2-3 *(this is link 1 of an auto-numbered list)*	CLK - CLKOUT
LK2	connect 2-3	CLKIN - DIVCLK
LK3	connect 1-5 * Buzz out on bare board before making	DIVCLK - 8MHz_CLK
LK4	connect 1-4 * Buzz out on bare board before making	RBI-CLK - 4MHz_CLK * BB 1-5 8MHz
LK5	connect 1-2 * Buzz out on bare board before making	TCLK - 62.5KHz_CLK
LK6	OUT (SIBA: TP9 -> PROC: LK6^2) - poss. Mod	watchdog disabled
LK7	OUT	INT11N
LK8	IN	INT13N - RBIINTN
LK9	IN	PWRON
LK10	IN	INT08N
LK11	IN	INT10 - IFINTA
LK12	OUT *(this is link 12, the last of an auto-numbered list)*	62.5kHz
HD1	Add wire links to connect pins: 1-8 2-7 3-6	PROM

5.4 Select on Test Items

33R_ON_PINS: Leave off the card.

5.5 Modifications

Add R24 between U4^26 and U4^22. This can be added on the back of the board.

Add C17 between Q5^2 (base) and Q5^3 (Ground).

Cut off pin 2 of U15 and tie to pin 14 (VDD). *NOTE* the track cannot be cut as it is on an inner layer.

5.5.1 Add Wires

from Reset signal (U7 pin 8 OR U10 pin 42 OR U15 pin 13) to Backplane connector J1 pin 73.

from Watchdog signal J1 pin 42 to LK6 pin 2.

Issue	Date	Changes
1	20-May-97	
2		Remove high power mode of Proms

Machine File-System Directory:	d:\data\projects\xmm-om\mssl\dd\0031.03\fm icu proc.doc
Document File Name:	
Application:	MS Word 7
Included files:	
Print Date (this):	22-Oct-97 @ 13:11
Printer:	Postscript

1. Schematics

Drawing Number: 5229/048 Issue 2b 29 May 97

Hierarchical list of sheets:

PROCTOP 1 5-19-1996_18:25

PROCTOP 2 5-19-1996_18:25

2. PCB Manufacturing and Board Assembly

Drawing Number:	5229/048-5 Issue 2 3-Jun-96	drill plot
	5229/048-6 Issue 3 3-Sep-96	assembly drawing

Artwork: X-1554-002 * verify it has been bare board tested before use

Serial Number:

3. Bill of Materials

Database printout for ICU-PROC 4-Jun-97 as attached

4. FM Assembly List

Database printout for ICU-PROC 4-Jun-97 as attached

5. Assembly Instructions

5.1 Outstanding Change Notices

Verify that there are no outstanding changes for this card.

5.2 Component Heights

Please ensure that component heights do not exceed:

7.2 mm ABOVE
4.7 mm BELOW

5.3 Links

XMM Optical Monitor

MULLARD SPACE SCIENCE LABORATORY
UNIVERSITY COLLEGE LONDON Author: Nigel R Bray

MSSL XMMOM FM ICU PROC Design Definition

DOCUMENT: XMM-OM/MSSL/DD/0031.03

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