



Number: SW006
Subject: Generate Intel format object code
Date: 1979-02-19

The program name: COPTOMCT stands for a program that generates its output to the UART plug (P2 of the GPIO card) in the Intel format for object code.

GPIO card:

I/O Base address switches (see page 7-11 of systems reference manual) should be set to port address 'D0' (11010000)
Baud rate depending on the connected device (MCT48 = 300 baud)
Mstr/Slv switch should be set to: slv.

Note: Please pay special attention to the wiring of the connection between the GPIO card and the peripheral to which the info should be sent. (see appendix 1)

Execution of the program.

Use the standard TWIN command XEQ for execution of the program.

```
XEQ COPTOMCT/x      1      2
```

where: x : drive number of the diskette on which the program
COPTOMCT resides.

1 : first TWIN slave memory byte address to be send
via GPIO card.

2 : Last TWIN slave memory byte address to be send
via GPIO card.

Since 8048 programs cannot exceed 4K the addresses 0 - 1000 Hex
are reserved for the program to be transmitted. The program
COPTOMCT resides in memory address 1000 HEX and up.

Complete procedure:

1. Hook up peripheral to GPIO card.
2. Load program to be send in slave memory (e.g. RHEX filename;
where filename contains the hex output of the ASM8048).
3. XEQ COPTOMCT begin-address, end-address.

INTERCONNECTION CABLE

USER SYSTEM

TWIN SYSTEM

