

## Upgrade MFG to 6G expander for 80H10323502A0

### 1 Upgrade group A expander

- (1) Use Chenbro's Expander download cable link PC's UART to 80H10323502A0 **CN04**
- (2) Open terminal Program(e.g. Tera Term)
- (3) Set Terminal to : Baud rate 115200, 8 bits data, none prity,1 stop bit

Please refer photo 1-1



Photo 1-1

- (4) Power on Expander system see terminal screen as Photo 1-2

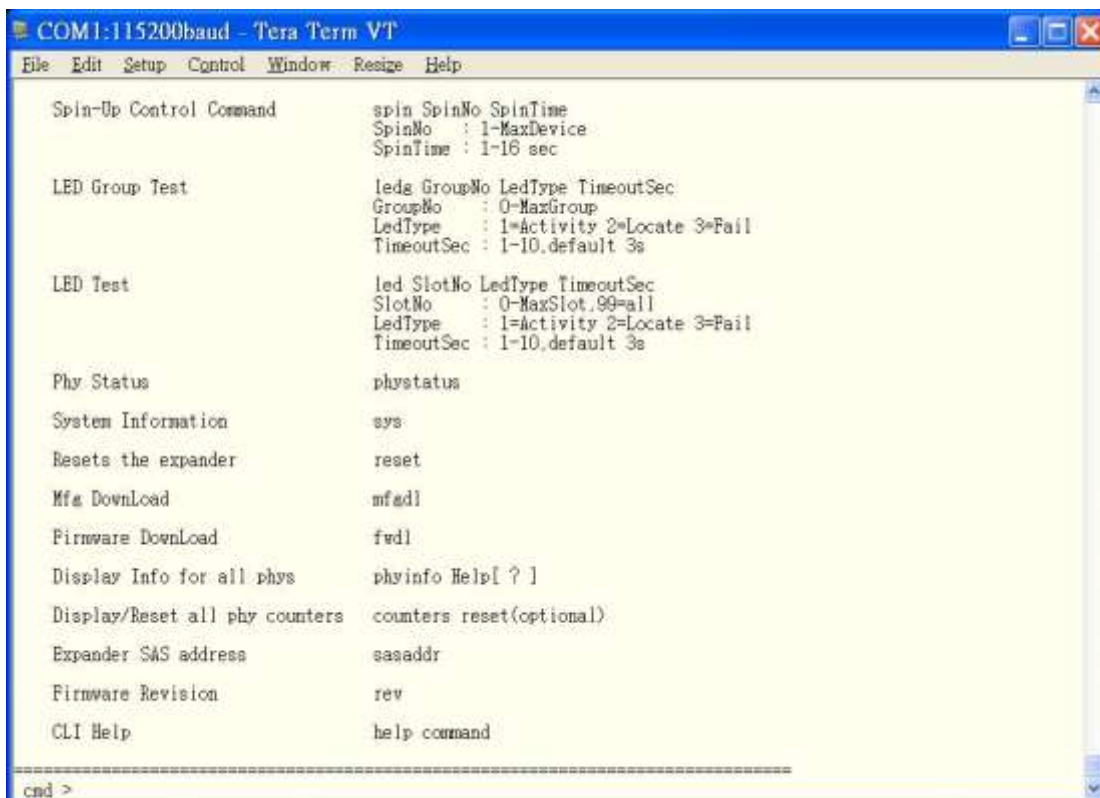


Photo 1-2

(5) Run MFG Image upgrade command ("mfadl" and "y")  
Please refer photo 1-3

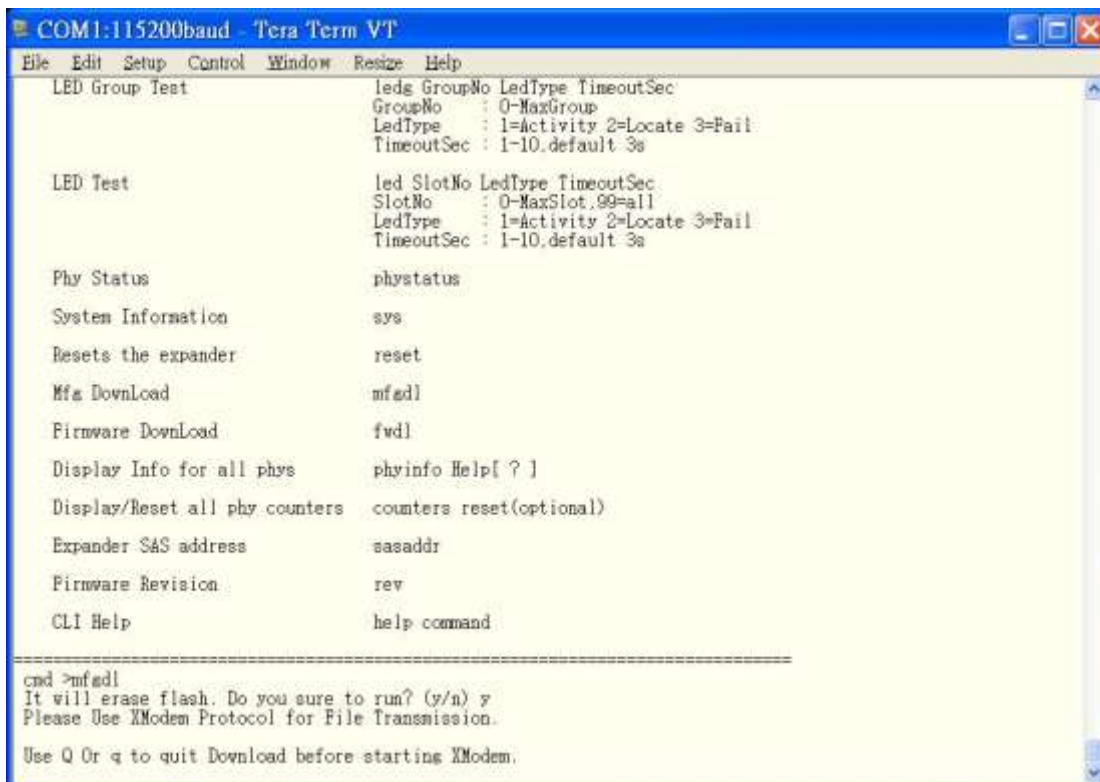


Photo 1-3

(6) Please use transfer → XMODEM → Send file, selection mfg code .bin  
(bp28\_d12io\_2in\_80H10323502A0\_A\_v9\_chenbro\_21.bin)

Please refer photo 1-4, photo 1-5

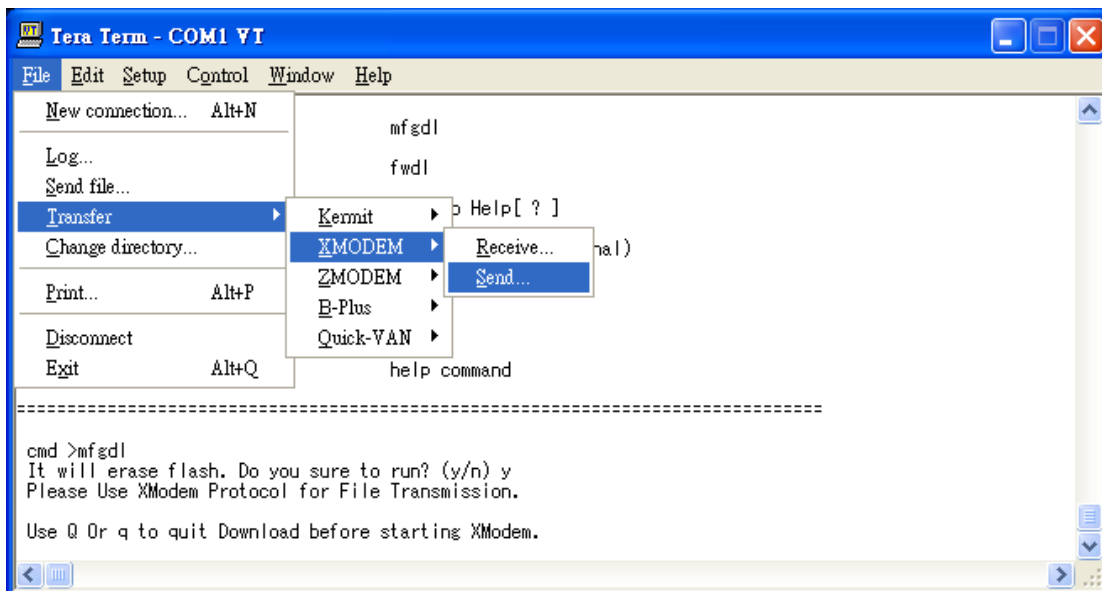


Photo 1-4

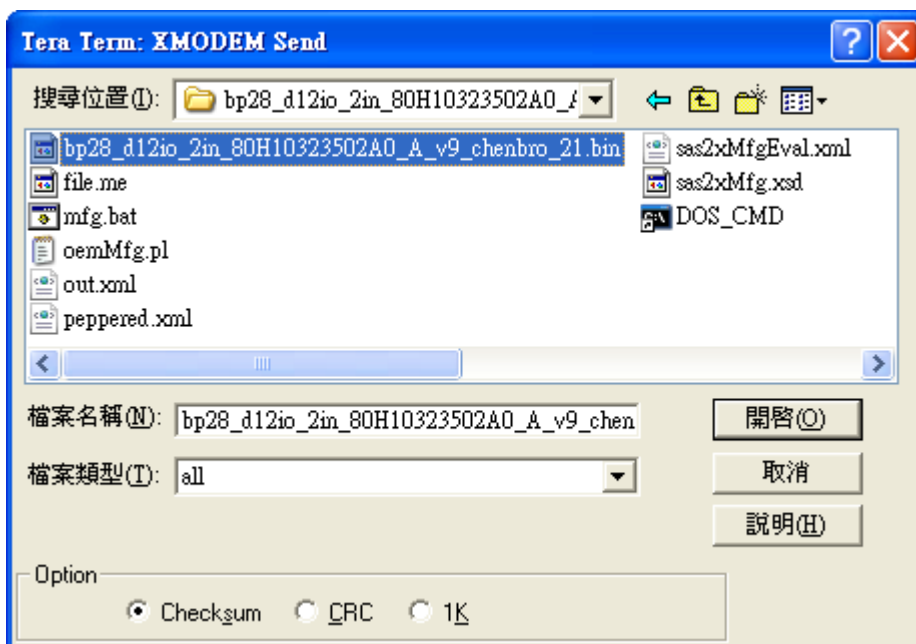


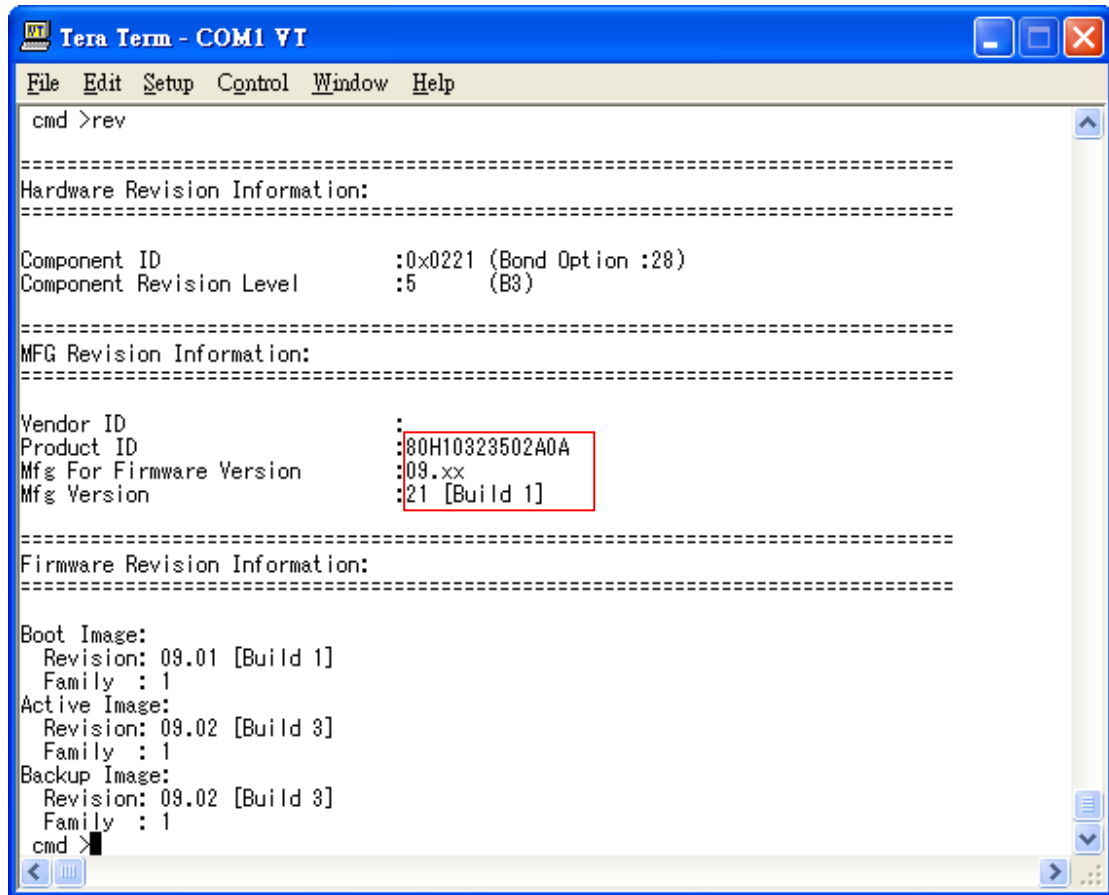
Photo 1-5

(7) Use "reset" command reset expander system.

(8) Use command "rev" verify MFG `s product ID and version  
(e.g.

Product ID :**80H10323502A0A**  
Mfg For Firmware Version :**09.xx**  
Mfg Version :**21 [Build 1]**

Please refer photo 1-6



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
cmd >rev
=====
Hardware Revision Information:
=====
Component ID           :0x0221 (Bond Option :28)
Component Revision Level :5      (B3)
=====
MFG Revision Information:
=====
Vendor ID              :
Product ID             :80H10323502A0A
Mfg For Firmware Version :09.xx
Mfg Version             :21 [Build 1]
=====
Firmware Revision Information:
=====
Boot Image:
  Revision: 09.01 [Build 1]
  Family : 1
Active Image:
  Revision: 09.02 [Build 3]
  Family : 1
Backup Image:
  Revision: 09.02 [Build 3]
  Family : 1
cmd >
```

Photo 1-6

## 2 Upgrade group B expander

- (1) Use Chenbro's Expander download cable link PC's UART to 80H10323502A0  
**CN06**
  - (2) Open terminal Program(e.g. Tera Term)
  - (3) Set Terminal to : Baud rate 115200, 8 bits data, none prity,1 stop bit
- Please refer photo 2-1

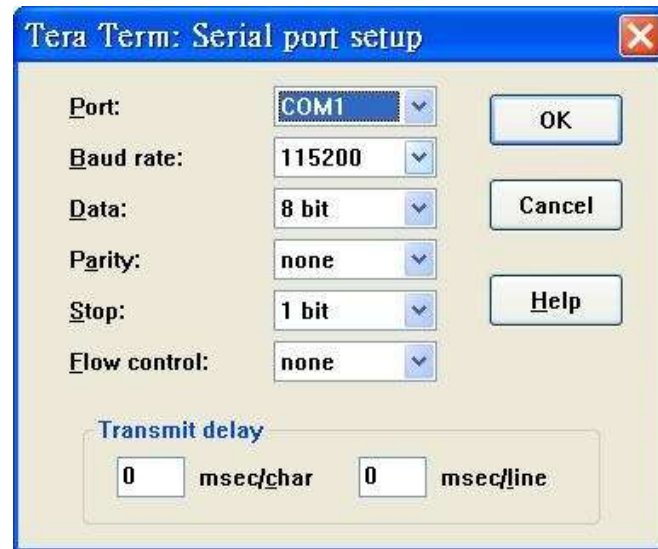


Photo 2-1

- (4) Power on Expander system see terminal screen as Photo 2-2

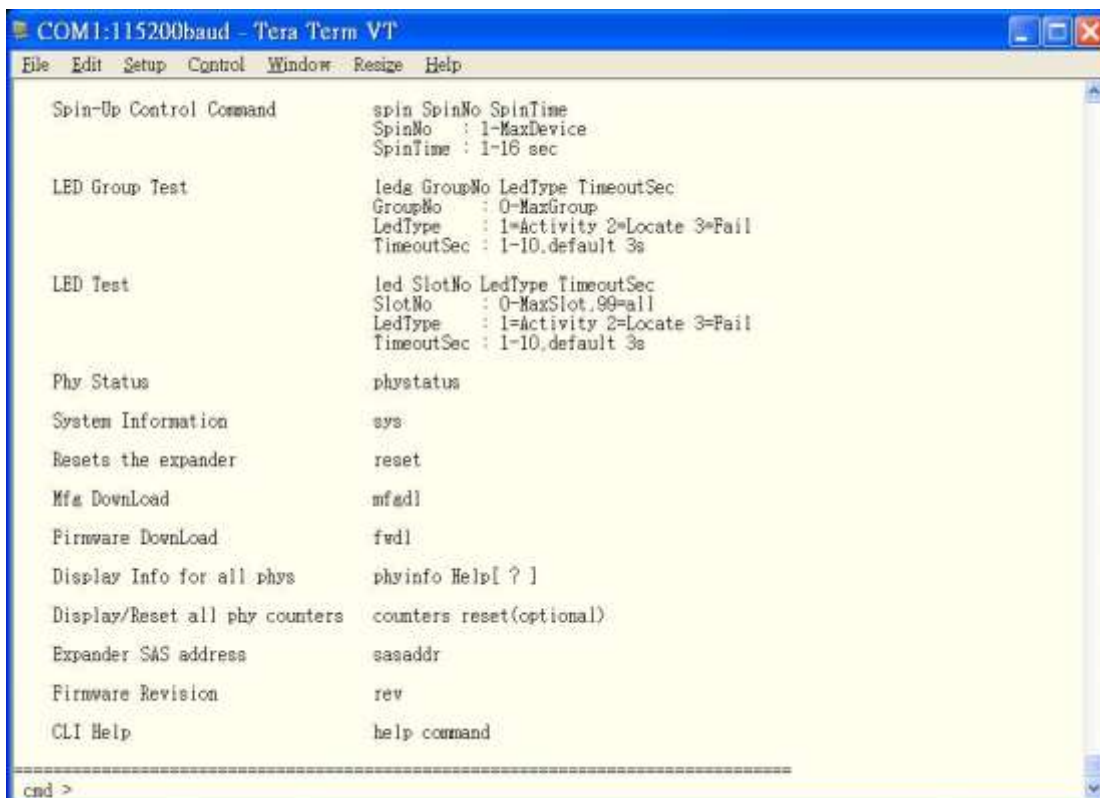


Photo 1-2

(5) Run MFG Image upgrade command ("mfadl" and "y")  
Please refer photo 2-3

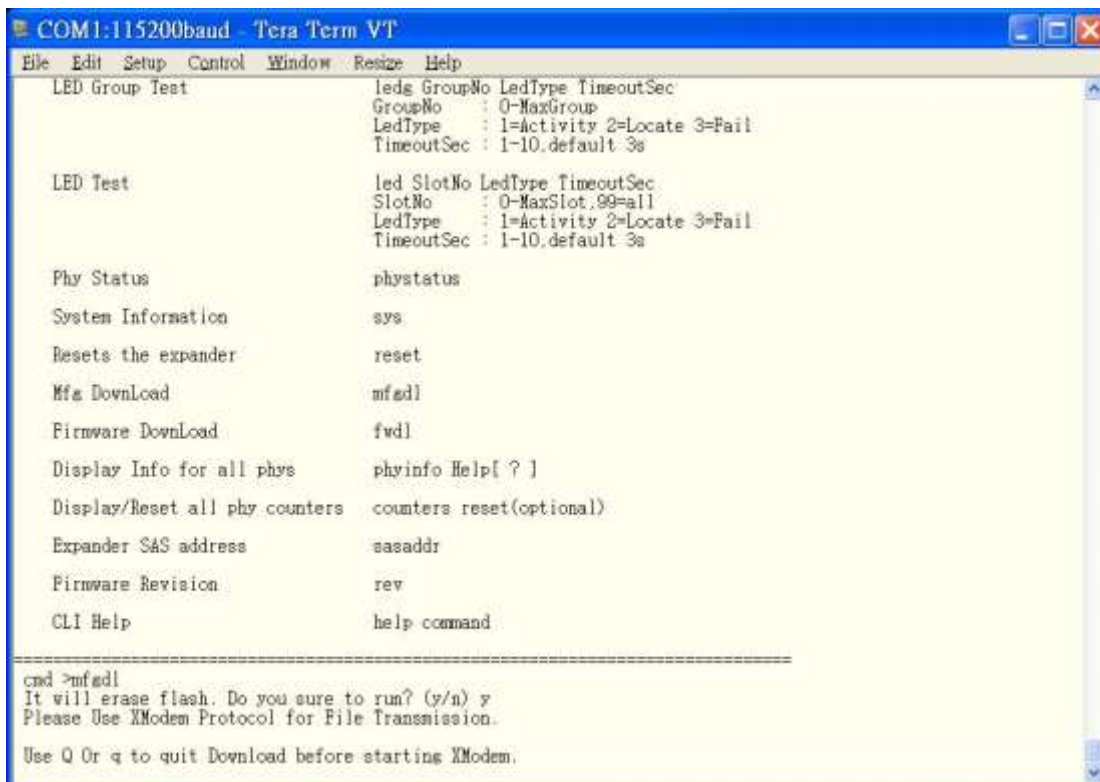


Photo 2-3

(6) Please use transfer → XMODEM → Send file, selection mfg code .bin  
(bp28\_d12io\_2in\_80H10323502A0\_B\_v9\_chenbro\_21.bin)

Please refer photo 2-4, photo 2-5

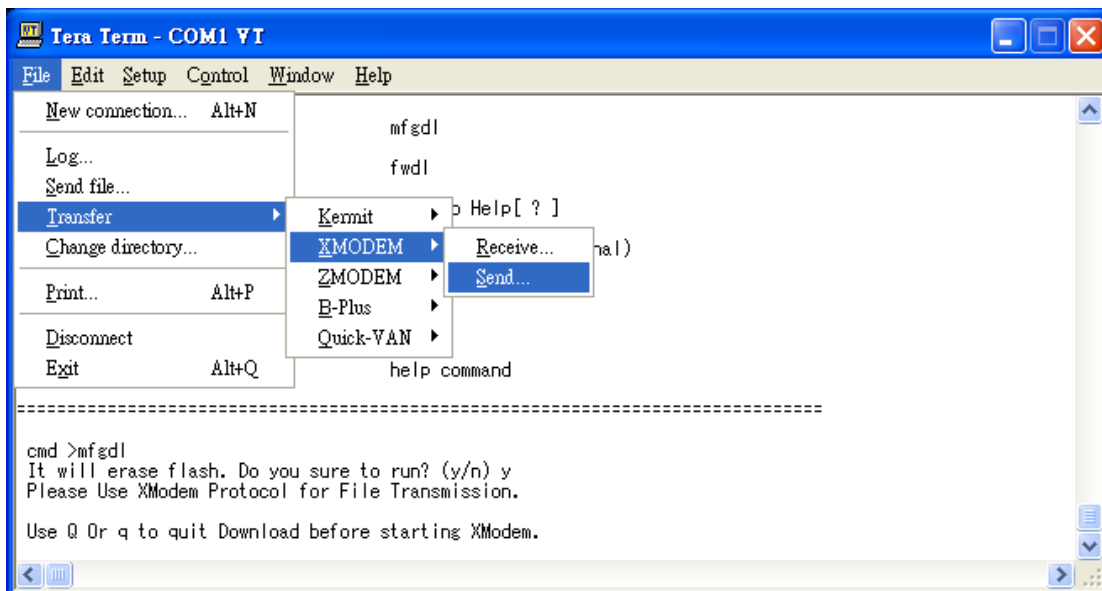


Photo 2-4

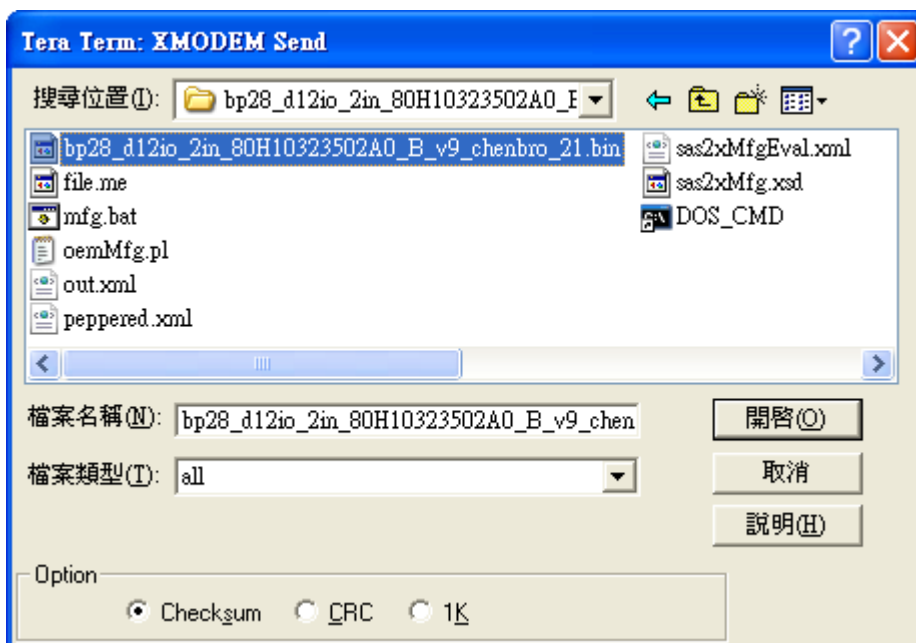


Photo 2-5

(7) Use “reset” command reset expander system.

(8) Use command “rev” verify MFG `s product ID and version

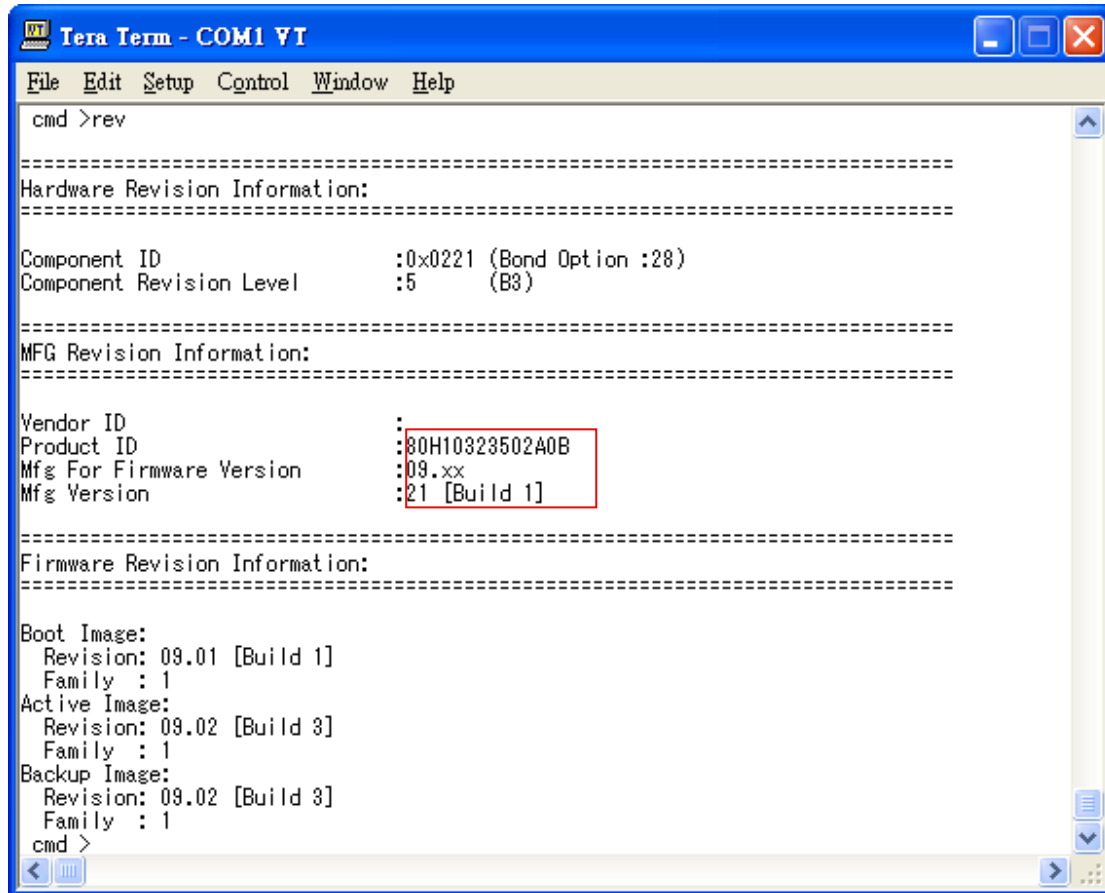
(e.g.

Product ID : **80H10323502A0B**

Mfg For Firmware Version : **09.xx**

Mfg Version : **21 [Build 1]**)

Please refer photo 2-6



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
cmd >rev
=====
Hardware Revision Information:
=====
Component ID           :0x0221 (Bond Option :28)
Component Revision Level :5      (B3)
=====
MFG Revision Information:
=====
Vendor ID              :
Product ID             :80H10323502A0B
Mfg For Firmware Version :09.xx
Mfg Version            :21 [Build 1]
=====
Firmware Revision Information:
=====
Boot Image:
Revision: 09.01 [Build 1]
Family : 1
Active Image:
Revision: 09.02 [Build 3]
Family : 1
Backup Image:
Revision: 09.02 [Build 3]
Family : 1
cmd >
```

Photo 2-6