

3070-99

Modification Recommended Service Note

Supersedes:
None

Keysight i3070 Series 6 In-Circuit Test System

E9902DR MY47450252R - MY47450255R
E9903DR MY47460188R
E9902E MY58110218 - MY58110229
E9903E MY58120321 - MY58120327
E9905EL MY58160180
E9988EL MY58171104-MY588171107; MY58171109; MY58171111-MY58171112
E9903G MY59250013 - MY59250244
E9902G MY59340103 - MY59340127
E9905G MY60020102 - MY60020106

The Problem – Replace incorrect Serial ports in Engage-Flex Pro Controller for Series 6 In-Circuit Tester

ADMINISTRATIVE INFORMATION

ACTION	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS			
CATEGORY:	<input checked="" type="checkbox"/> AGREEABLE TIME	LABOR:	1.0 Hours		
LOCATION	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN	USED	<input type="checkbox"/> RETURN
CATEGORY:	<input checked="" type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input checked="" type="checkbox"/> SCRAP	PARTS:	<input checked="" type="checkbox"/> SCRAP
	<input type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> SEE TEXT		<input type="checkbox"/> SEE TEXT
	<input checked="" type="checkbox"/> CHANNEL PARTNERS				
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	June 30, 2022		
	<input type="checkbox"/> Calibration Required	PRODUCT LINE:	80		
	<input checked="" type="checkbox"/> Calibration NOT Required	AUTHOR:	Wee Sheng		

ADDITIONAL INFORMATION:

Parts Required:

P/N	Description	Qty.
0960-3630	Adapter-Card RS232A Srl SPS-Power	1
0960-3629	Adapter-Card RS232B Srl SPS-Power	1

Situation:

The Programmable Logic Control (PLC) of i3070 Inline In-Circuit Tester is expecting to communicate with HP Engage Flex Pro controller via Serial Port COM1. However, the dual powered serial port in HP Engage Flex Pro is configured as COM4 and COM5 in a shared connector, but software emulated as COM1 and COM2.

Due to unreliable emulation resulted from conflict and unexpected configuration, it causes BT-basic hang up when executing 'output @PLC, , Error; Read_Cmd_String\$' during 'call read_plc'. (Figure 1) There is no issue if the connection to extender PCI RS232 Serial ports (COM6 or COM7).

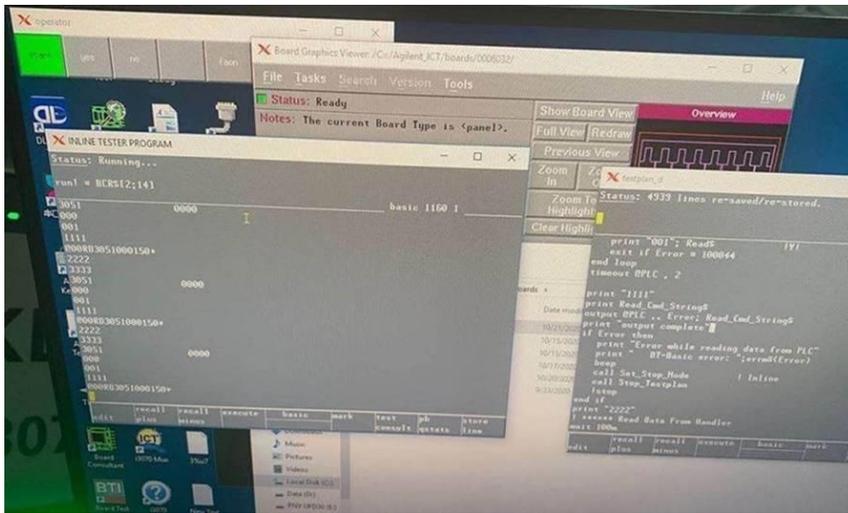


Figure 1: BT-Basic Hang-up

Solution/Action:

The wrongly configured RS232 Serial port adapter (Figure 2) needed to be disconnected/changed to the RS232 adapter cards (Figure 3) to resolve the issue.

For existing controller that using software to emulate the RS232 Serial port adapter as COM1/COM2, please change it back to COM4/COM5. Under USB Serial “**Port Properties**”, at Serial Port area click “**Change Port**” box and choose the com port number that required. Select **OK**



Figure 2a: Wrongly configured Serial ports

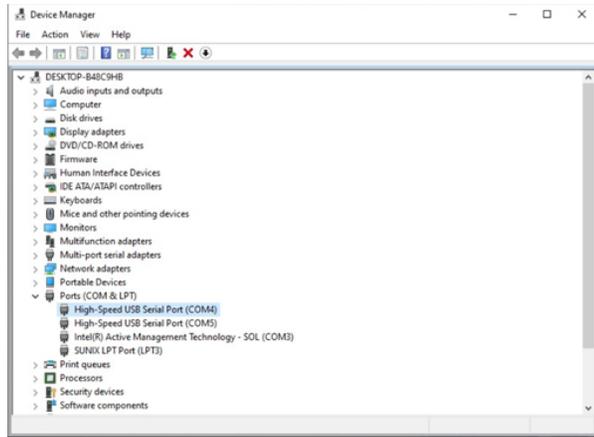


Figure 2b: Change COM port assignment

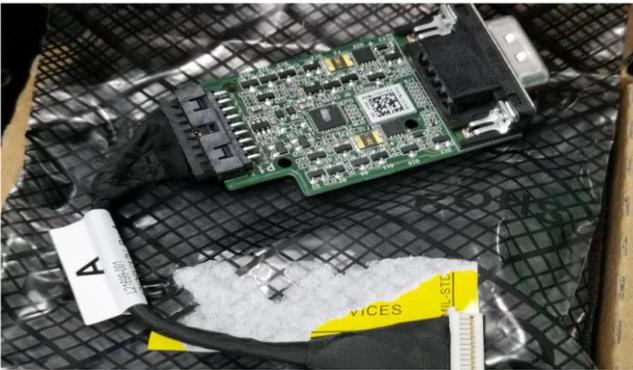


Figure 3a: Adapter-Card RS232A Srl SPS-Power (Keysight P/N: 0960-3630)

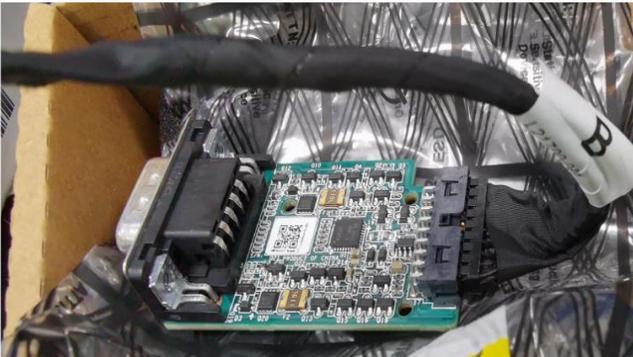


Figure 3b: Adapter-Card RS232B Srl SPS-Power (Keysight P/N: 0960-3629)

How to install Adapter-Card RS232A / RS232B?

1. Locate the COM1 and COM2 connectors (Figure 4) on mother board
 - a. white connector with indicator COM A where it is for COM1.
 - b. black connector with indicate COM B where it is for COM2.
2. Connect the Adapter-Card RS232B to the Black Connector COM 2 Port first, follow by the Adapter-Card RS232A to the White Connector COM 1 Port.

3. Figure 5 shown the COM1 and COM2 are installed successfully.

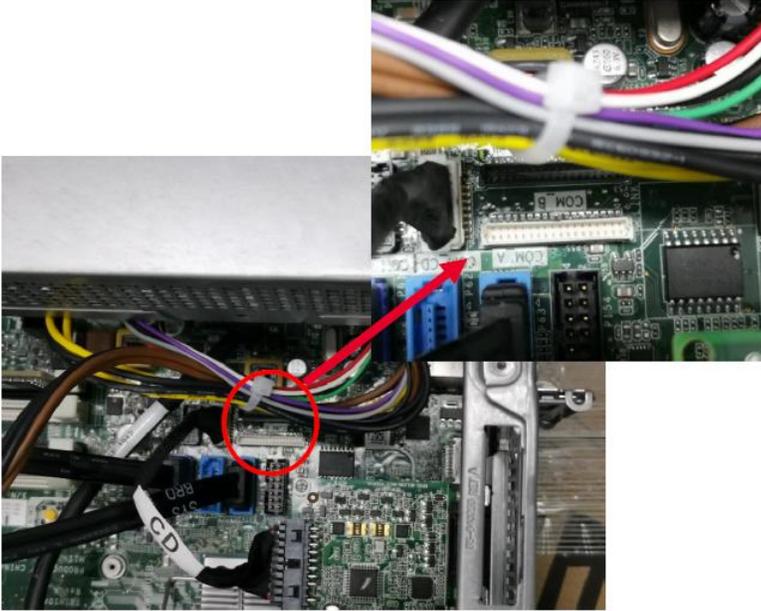


Figure 4: COM1 and COM2 connectors on mother board



Figure 5: COM1 and COM2 are installed

Revision History:

Date	Service Note Revision	Author	Reason for Change
09 May 2021	01	Wee Sheng	As Published