

**SERVICE MANUAL**

**&**

**PARTS LIST**

**PE-DESIGN PLUS**

**CONFIDENTIAL**

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Published: Jul.,2011  
Revised: Sep.,2011

## MODEL LIST

[illegible]

## Country Code & Abbreviation of Country Name

Country Code	Abbr.	Country Name	Country Code	Abbr.	Country Name	Country Code	Abbr.	Country Name
<b>USA/Canada</b>			<b>Europe</b>			<b>Asia/Oceania</b>		
<b>200</b>	<b>USA</b>	America	<b>401</b>	<b>ZAF</b>	South Africa	<b>601</b>	<b>KOR</b>	Korea
<b>251</b>	<b>CAN</b>	Canada	<b>402</b>	<b>EGY</b>	Egypt	<b>603</b>	<b>TWN</b>	Taiwan
			<b>411</b>	<b>MUS</b>	Mauritius	<b>604</b>	<b>HKG</b>	Hong Kong
<b>301</b>	<b>PER</b>	Peru				<b>605</b>	<b>VNM</b>	Vietnam
<b>302</b>	<b>ARG</b>	Argentina	<b>501</b>	<b>IRE</b>	Ireland	<b>606</b>	<b>IDN</b>	Indonesia
<b>303</b>	<b>CHL</b>	Chile	<b>502</b>	<b>DEU</b>	Germany	<b>607</b>	<b>PHL</b>	Philippines
<b>304</b>	<b>PRY</b>	Paraguay	<b>503</b>	<b>BEL</b>	Belgium	<b>608</b>	<b>MYS</b>	Malaysia
<b>305</b>	<b>URY</b>	Uruguay	<b>505</b>	<b>UK</b>	United Kingdom	<b>609</b>	<b>SGP</b>	Singapore
<b>306</b>	<b>BRA</b>	Brazil	<b>506</b>	<b>FRA</b>	France	<b>615</b>	<b>IND</b>	India
<b>307</b>	<b>VEN</b>	Venezuela	<b>507</b>	<b>NOR</b>	Norway	<b>616</b>	<b>THA</b>	Thailand
<b>308</b>	<b>MEX</b>	Mexico	<b>508</b>	<b>NLD</b>	Netherlands	<b>622</b>	<b>CHN</b>	China
<b>309</b>	<b>COL</b>	Colombia	<b>509</b>	<b>AUT</b>	Austria			
<b>310</b>	<b>PAN</b>	Panama	<b>510</b>	<b>GRC</b>	Greece	<b>701</b>	<b>AUS</b>	Australia
<b>318</b>	<b>GTM</b>	Guatemala	<b>511</b>	<b>SWE</b>	Sweden	<b>702</b>	<b>NZL</b>	New Zealand
<b>324</b>	<b>GUF</b>	FR. Guiana	<b>515</b>	<b>ESP</b>	Spain			
<b>330</b>	<b>BRB</b>	Barbados	<b>516</b>	<b>PRT</b>	Portugal	<b>902</b>	<b>ISR</b>	Israel
<b>399</b>	<b>-</b>	Latin America 2&5	<b>517</b>	<b>ITA</b>	Italy	<b>903</b>	<b>SYR</b>	Syria
			<b>519</b>	<b>FIN</b>	Finland	<b>904</b>	<b>TUR</b>	Turkey
			<b>520</b>	<b>CHE</b>	Switzerland	<b>905</b>	<b>JOR</b>	Jordan
			<b>521</b>	<b>DNK</b>	Denmark	<b>906</b>	<b>KWT</b>	Kuwait
			<b>524</b>	<b>MLT</b>	Malta	<b>908</b>	<b>SAU</b>	Saudi Arabia
			<b>550</b>	<b>EEU</b>	East Europe	<b>909</b>	<b>IRQ</b>	Iraq
			<b>556</b>	<b>RUS</b>	Russia	<b>910</b>	<b>IRN</b>	Iran
			<b>599</b>	<b>NEU</b>	North Europe	<b>911</b>	<b>CYP</b>	Cyprus
						<b>915</b>	<b>UAE</b>	United Arab Emirates

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### ■ GENERAL INFORMATION

This service manual has been compiled for explaining repair procedures of the Card module.

This was produced based on up-to-date product specifications at the time of issue, but there may have been changes of specifications for the purpose of improvements.

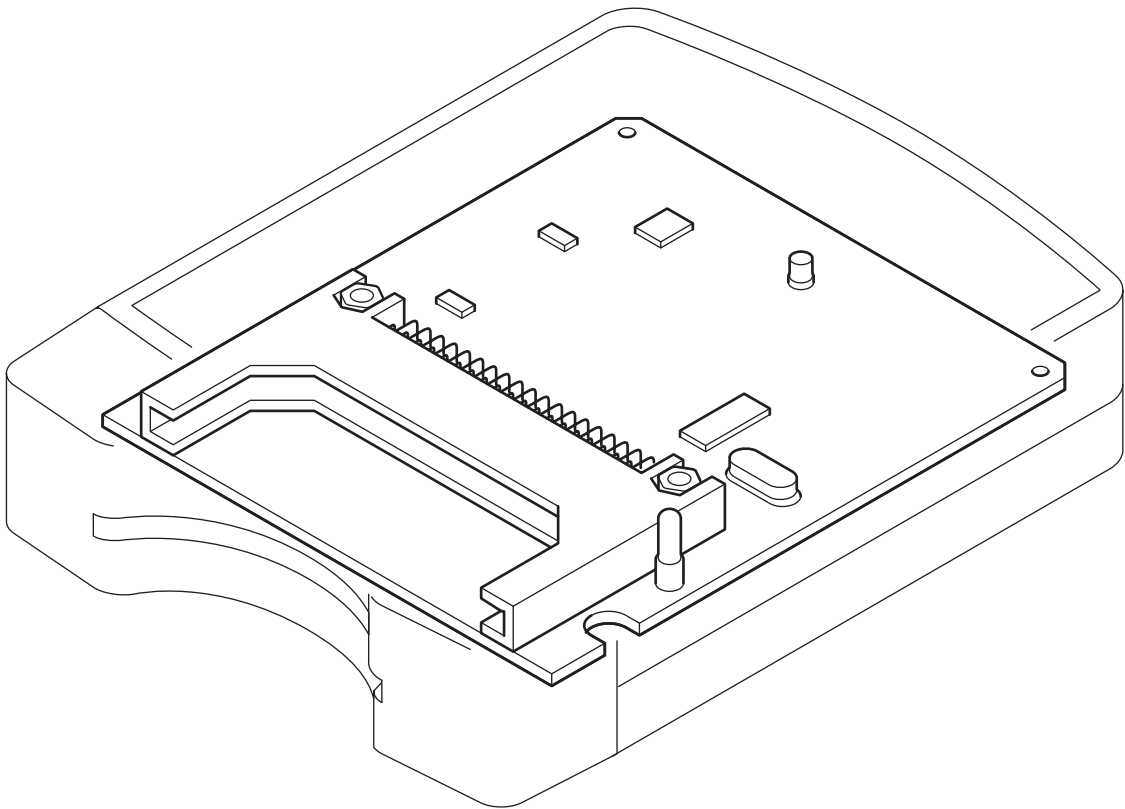
Contact manufacturer or local sales company for information concerning such changes.

### ● CAUTION ●

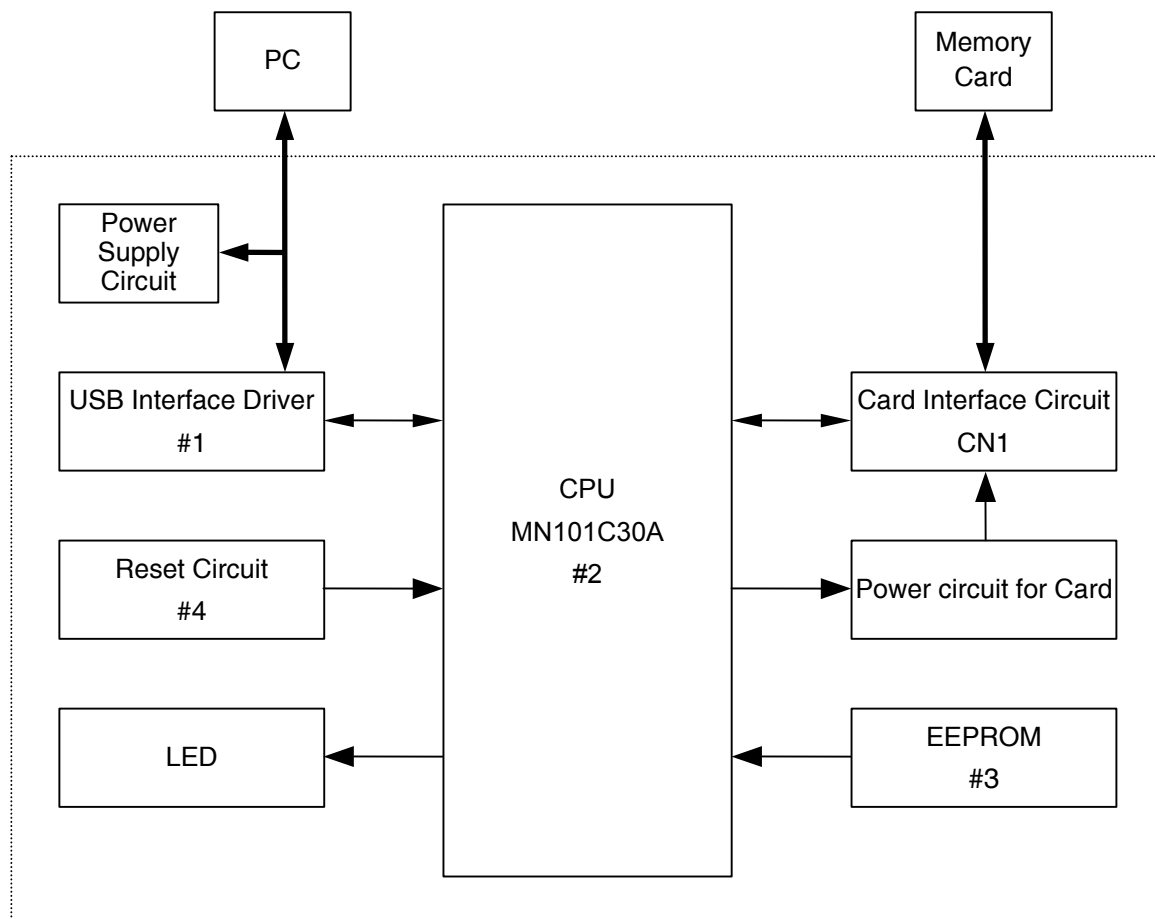
1. Always use rubber gloves when handling printed circuit boards and never touch the metal portion of a printed circuit board with bare hands.
2. Keep your body earthed in order to avoid generating static electricity.
3. Pack printed circuit boards in aluminum foil and avoid subjecting them to any form of impact during storage or transportation.
4. Do not touch or damage the metal portion of a printed circuit board with a screwdriver or any other tool while making repairs or the like.

## I. Main Configuration

### 1. Main Components



## 2. Control System Block Diagram



## II. Diagnosing a Breakdown in the Electrical System

### Diagnosing a breakdown in the electrical components

Situation	Locating the Problem	Solution
① Even though the USB connector of the unit is connected to the USB connector of the computer, the unit's LED does not light up.	① Is the bus power hub not connected? ② If the unit is connected to another computer, does the unit's LED light up? ③ Others	① Connect the unit directly to a computer or to a self-powered hub. ② Check the USB interface of the original computer. ③ Replace the main PC board assy.
② Even though a memory card is inserted, a message warning that a card is not inserted appears.	① Is the memory card fully inserted? ② Does the error message appear when another memory card is inserted? ③ Others	① Check that the card is fully inserted. ② Use a different memory card. ③ Replace the main PC board assy.
③ A message warning that the driver may not be installed correctly appears.	① Was installation performed according to the instructions? ② Others	① Perform the installation again. ② Perform the installation again. (After uninstalling the application and the driver, perform the installation again.)

\* **Parts List**

**Main body**

1	XF1280001	ASSY MAIN PCB BROTHER PLUS	
2	XF1220001	PANEL	
3	XC2110021	UPPER COVER	
4	XC2111021	LOWER COVER	
5	XC2112023	SIDE COVER	
6	083201016	TAPTITE, PAN P M2X10	
7	XF1222001	CD-ROM FOR BROTHER PLUS	
8	XF0606001	OPERATION MANUAL ENG (English)	
	XF0611001	OPERATION MANUAL SPA (Spanish)	
	XF0607001	OPERATION MANUAL FRE (French)	
	XF0608001	OPERATION MANUAL GER (German)	1000026805
	XF0610001	OPERATION MANUAL DUT (Dutch)	1000026805
	XF0609001	OPERATION MANUAL ITA (Italian)	1000026805
	XF0613001	OPERATION MANUAL DAN (Danish)	1000026808
	XF0614001	OPERATION MANUAL SWE (Swedish)	1000026808
	XF0612001	OPERATION MANUAL RUS (Russian)	1000026809
9	XC2208001	BAG 240X330H	
10	XC8883021	WARRANTY CARD (USA)	
	XE8671001	WARRANTY CARD BROTHER CANADA (CAN)	
11	XF0300001	INSERTION WEEE	1000026805
12	XE9897001	UKRAINIAN ROHS INSERTION (RUS)	1000026809
13	XF1225001	CARTON MODEL:PED-PLUS (USA)	
	XF1300001	CARTON MODEL:PED-PLUS (RUS)	1000026809
	XF1229001	CARTON MODEL:PED-PLUS (OTHER)	
14	X61817020	INTERIOR CONTAINER	
15	XA2214021	BAG, 150X200	



