



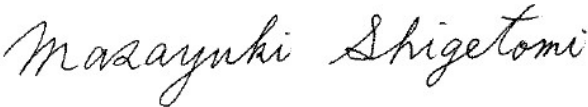
DDR3-SDRAM DIMM Guideline  
for KYOCERA Document Solutions products

Version 3.2 October 17, 2022

Published by  
Corporate R&D Division  
KYOCERA Document Solutions Inc.

  
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## Introduction

This Guideline has been prepared in order to provide information about DDR3-SDRAM DIMMs that can work with KYOCERA Document Solutions printers and MFPs. More specifically, it contains information about what types of DDR3-SDRAM DIMMs are usable with each printer model and MFP model.

DDR3-SDRAM DIMMs are sold in all over the world, and many manufacturers produce DDR3-SDRAM DIMMs. Most DDR3-SDRAM DIMMs available in the market are usable on KYOCERA Document Solutions products. However, before using DDR3-SDRAM DIMMs, please confirm the workability on printers and MFPs.

## Revision History

Version	Date of revision	Specific revisions
Version 1.0	6-Sep-13	First release
Version 1.1	14-Apr-14	Additional MFPs <ECOSYS M3040dn, ECOSYS M3540dn, ECOSYS M3040idn, ECOSYS M3540idn, ECOSYS M3550idn, ECOSYS M3560idn>
Version 1.2	29-Jul-14	Additional Printers <ECOSYS P6130cdn, ECOSYS P6035cdn, ECOSYS P7040cdn> Additional MFPs <ECOSYS M6030cdn, ECOSYS M6530cdn, ECOSYS M6035cidn, ECOSYS M6535cidn>
Version 1.3	25-Feb-15	Additional MFP <Taskalfa 306ci>
Version 1.4	1-Apr-15	Add Section 2.2 Change Group of Printers <ECOSYS P6130cdn, ECOSYS P6035cdn, ECOSYS P7040cdn> Change Group of MFP <ECOSYS M6030cdn, ECOSYS M6530cdn, ECOSYS M6035cidn, ECOSYS M6535cidn>
Version 1.5	21-Dec-15	Add Section 2.3 Add usable DDR3-SDRAM DIMMs < D3X1333-S1GHFA7KE , D3X1333-X1GHCA7> Change Group of MFP <ECOSYS M2135dn, ECOSYS M2635dn ECOSYS M2635dw, ECOSYS M2735dw ECOSYS M2040dn, ECOSYS M2540dn ECOSYS 2540dw, ECOSYS M2640idw> Change the Machine Model Group <Taskalfa 306ci> : Change to newest type of memory chips
Version 1.6	23-Feb-16	Change the sentence of Section2.1, 2.2, 2.3 Add usable DDR3-SDRAM DIMM <MX870LM00097>
Version 1.7	4-Mar-16	Change Section2 title <Usable 144pin DDR3-SDRAM DIMM (32bit)> Add Section 3 Add usable DDR3-SDRAM DIMMs (16bit) < D3K1333-S512NIA7, D3K1333-S512MKA7, D3K1333-S1GNDA7, D3K1333-S1GMEA7> Change Group of MFP Add: < ECOSYS M5526cdw, ECOSYS M5526cdn, ECOSYS M5521cdw, ECOSYS M5521cdn, ECOSYS M5525cdw, ECOSYS M5520cdw ECOSYS M5520cdn> Delete : <ECOSYS P6026cdn Type B, ECOSYS M6026cdn Type B, ECOSYS M6526cdn Type B, ECOSYS M6026cidn Type B, ECOSYS M6526cidn Type B>

Version	Date of revision	Specific revisions
Version 1.8	11-Apr-16	Add usable DDR3-SDRAM DIMMs to Section 2.3 < D3X1333-S1GHFA7KE, MX870LM00097>
Version 1.9	23-May-16	Add section 2.4 Change Group of Printer < ECOSYS P3060dn, ECOSYS P3055dn, ECOSYS P3050dn, ECOSYS P3045dn >  Change usable DDR3-SDRAM DIMM from 2.3.1 to 2.3.2. < D3X1333-S1GHFA7KE>
Version 2.0	9-Aug-16	Add section 3.1.2 Add usable DDR3-SDRAM DIMM <MX512M16D3LC9S2KMA, MX1G16D3LC9S2KMA>
Version 2.1	10-May-17	Add section 2.5 Add usable DDR3-SDRAM DIMM <D3X1333-S1GNIA7> Delete usable DDR3-SDRAM DIMM <D3X1333-S1GHFA7KE> Change Group of MFP Add: <TASKalfa 3210i, TASKalfa 2510i, TASKalfa 3060ci, TASKalfa 2460ci ECOSYS M4132idn, ECOSYS M4125idn, ECOSYS M8130cidn, ECOSYS M8124cidn>
Version 2.2	25-Aug-17	Change Group of Printers Add: <ECOSYS P6235cdn, ECOSYS P7240cdn> Change Group of MFP Add: <TASKalfa 2520i, TASKalfa 2470ci, TASKalfa 351ci, ECOSYS M6230cidn, ECOSYS M6630cidn, ECOSYS M6235cidn, ECOSYS M6635cidn, ECOSYS M2235dn, ECOSYS M2735dn, ECOSYS M2835dw> Delete: <TASKalfa 3210i, TASKalfa 3060ci>
Version 2.3	28-Nov-17	Add section 2.6, 2.7 Add usable DDR3-SDRAM DIMM <D3X1333-X1GNDA7> Delete usable DDR3-SDRAM DIMM <D3X1333-X1GHCA7> Change Group of Printers Add: <ECOSYS P3145dn, ECOSYS P3150dn, ECOSYS P3155dn, ECOSYS P3160dn > Change Group of MFP Add: < ECOSYS M3145idn, ECOSYS M3645idn, ECOSYS M3145dn, ECOSYS M3645dn, ECOSYS M3655idn, ECOSYS M3660idn TASKalfa 307ci>

Version	Date of revision	Specific revisions
Version 2.4	06-Mar-18	Change Group of MFP Add: < TASKalfa 4020i, ECOSYS M5021cdn>
Version 2.5	24-Apr-18	Change Group of MFP Add: < ECOSYS M4226idn, ECOSYS M4230idn, ECOSYS M8228cidn, ECOSYS M8224cidn>
Version 2.6	27-Mar-19	Add section2.8 Add usable DDR3-SDRAM DIMM <D3X1333-S1GNJA9, D3X1333-S1GSFA9, D3X1333-X1GSEA9> Delete usable DDR3-SDRAM DIMM <D3X1333-X1GNDA7, D3X1333-S1GNIA7> Change Group of Printers Add: <ECOSYS P3260dn> Change Group of MFPs Add: <TASKalfa 308ci, ECOSYS M3860idnf, ECOSYS M3860idn>
Version 2.7	21-Aug-19	Change Group of MFPs Add: <TASKalfa 352ci>
Version 2.8	16-Oct-19	Change Group of Printers Add: <ECOSYS P4145dn, ECOSYS P4140dn, ECOSYS P4135dn> Change Group of MFPs Add: <TASKalfa 3060ci>
Version 2.9	11-Oct-21	Add section3.2 Add usable DDR3-SDRAM DIMMs to section3.2 <D3K1333-S512HGA7, D3K1333-S1GSEA9, D3K1333-S1GMPA9> Delete usable DDR3-SDRAM DIMMs to section3.2 <D3K1333-S512NIA7, D3K1333-S512MKA7, D3K1333-S1GNDA7, D3K1333-S1GMEA7> Change Group of MFPs Add: <ECOSYS MA2100cwfx, ECOSYS MA2100cfx, ECOSYS MA2100cx>
Version 3.0	20-May-22	Add section4.1 Add usable DDR3-SDRAM DIMMs to section4.1 <1503WX0UN0, 1503WY0UN0> Change Group of Printers Add: <ECOSYS PA6000x, ECOSYS PA5500x, ECOSYS PA5000x, ECOSYS PA4500x>
Version 3.1	22-Aug-22	Add: <ECOSYS MA6000ifx, ECOSYS MA5500ifx, ECOSYS MA4500ifx, ECOSYS MA4500ix, ECOSYS MA4500fx, ECOSYS MA4500x>

Version	Date of revision	Specific revisions
Version 3.2	17-Oct-22	<p>Add section 2.9, 2.10, 2.11</p> <p>Add usable DDR3-SDRAM DIMMs to section 2.9, 2.10</p> <p>&lt;D3X1333-S2GHEA7&gt;</p> <p>Delete usable DDR3-SDRAM DIMMs to section 2.9, 2.10, 2.11</p> <p>&lt;D3X1333-X1GSEA9, D3X1333-B2GMKA D3X1333-S1GSFA9&gt;</p> <p>Change Group of Printers</p> <p>Add: &lt;ECOSYS PA4000cx, ECOSYS PA4500cx, TASKalfa PA4500ci&gt;</p> <p>Change Group of MFPs</p> <p>Add: &lt;ECOSYS MA3500cix, ECOSYS MA3500cifx, ECOSYS MA4000cix, ECOSYS MA4000cifx, TASKalfa MA3500ci, TASKalfa MA4500ci&gt;</p>

## **Table of contents**

1. The Number of slots provided for DDR3-SDRAM DIMM in all products and the mountable capacity for each slot	page1
2. Usable 144 pin DDR3-SDRAM DIMMs (32bit)	page5
3. Usable 144 pin DDR3-SDRAM DIMMs (16bit)	page16
4. Usable 144 pin DDR3-SDRAM DIMMs (Original Option)	page18

1. The Number of slots provided for DDR3-SDRAM DIMM in all products and the mountable capacity for each slot

**1.1 Printer**

Model	Slots	Usable Capacity / slot	Machine Model Group
ECOSYS P6021cdn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS P6026cdn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS P6030cdn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS P7035cdn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS P6130cdn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
ECOSYS P6035cdn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
ECOSYS P7040cdn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
ECOSYS P3060dn	1	512MB, 1GB, 2GB	A4 (See Section 2.4)
ECOSYS P3055dn	1	512MB, 1GB, 2GB	A4 (See Section 2.4)
ECOSYS P3050dn	1	512MB, 1GB, 2GB	A4 (See Section 2.4)
ECOSYS P3045dn	1	512MB, 1GB, 2GB	A4 (See Section 2.4)
ECOSYS P6235cdn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS P7240cdn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS P3145dn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS P3150dn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS P3155dn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS P3160dn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS P3260dn	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS P4145dn	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS P4140dn	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS P4135dn	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS P6000x	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS P5500x	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS P5000x	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS P4500x	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS PA4000cx	1	1GB, 2GB	A9 (See Section 2.9)
ECOSYS PA4500cx	1	1GB, 2GB	A9 (See Section 2.9)
TASKalfa PA4500ci	1	1GB, 2GB	A9 (See Section 2.9)

## 1.2 MFP

Model	Slots	Usable Capacity / slot	Usable DIMM
ECOSYS M2030dn/PN	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M2030dn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M2530dn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M2035dn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M2535dn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M2035dn/L	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M2535dn/L	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M6026cdn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M6526cdn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M6026cidn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M6526cidn	1	512MB, 1GB	A1 (See Section 2.1)
TASKalfa 266ci	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M3040dn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M3540dn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M3040idn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M3540idn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M3550idn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M3560idn	1	512MB, 1GB	A1 (See Section 2.1)
ECOSYS M6030cdn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
ECOSYS M6530cdn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
ECOSYS M6035cidn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
ECOSYS M6535cidn	1	512MB, 1GB, 2GB	A2 (See Section 2.2)
Taskalfa 306ci	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2135dn	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2635dn	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2635dw	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2735dw	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2040dn	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2540dn	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2540dw	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M2640idw	1	512MB, 1GB	A3 (See Section 2.3)
ECOSYS M5526cdw	1	512MB, 1GB	B1(See Section 3.1)
ECOSYS M5526cdn	1	512MB, 1GB	B1(See Section 3.1)
ECOSYS M5521cdw	1	512MB, 1GB	B1(See Section 3.1)
ECOSYS M5521cdn	1	512MB, 1GB	B1(See Section 3.1)
ECOSYS M5525cdn	1	512MB, 1GB	B1(See Section 3.1)
ECOSYS M5520cdw	1	512MB, 1GB	B1(See Section 3.1)
ECOSYS M5520cdn	1	512MB, 1GB	B1(See Section 3.1)
TASKalfa 2510i	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
TASKalfa 2460ci	1	512MB, 1GB, 2GB	A5 (See Section 2.5)

## 1.2 MFP(continue)

Model	Slots	Usable Capacity / slot	Usable DIMM
ECOSYS M4132idn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M4125idn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M8130cidn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M8124cidn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
TASKalfa 2520i	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
TASKalfa 2470ci	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
TASKalfa 351ci	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M6230cidn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M6630cidn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M6235cidn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M6635cidn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M2235dn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M2735dn	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M2835dw	1	512MB, 1GB, 2GB	A5 (See Section 2.5)
ECOSYS M3145idn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M3645idn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M3145dn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M3645dn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M3655idn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M3660idn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
TASKalfa 307ci	1	512MB, 1GB	A7 (See Section 2.7)
TASKalfa 4020i	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M5021cdn	1	512MB, 1GB	B1 (See Section 3.1)
ECOSYS M4226idn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M4230idn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M8228cidn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
ECOSYS M8224cidn	1	512MB, 1GB, 2GB	A6 (See Section 2.6)
TASKalfa 308ci	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS M3860idnf	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS M3860idn	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
TASKalfa 352ci	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
TASKalfa 3060ci	1	512MB, 1GB, 2GB	A8 (See Section 2.8)
ECOSYS MA2100cwfx	1	512MB, 1GB	B2(See Section 3.2)
ECOSYS MA2100cfx	1	512MB, 1GB	B2(See Section 3.2)
ECOSYS MA2100cx	1	512MB, 1GB	B2(See Section 3.2)
ECOSYS MA6000ifx	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS MA5000ifx	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS MA4500ifx	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS MA4500ix	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS MA4500fx	1	1GB, 2GB	C1 (See Section 4.1)
ECOSYS MA4500x	1	1GB, 2GB	C1 (See Section 4.1)

## 1.2 MFP(continue)

Model	Slots	Usable Capacity / slot	Usable DIMM
ECOSYS MA3500cix	1	1GB, 2GB	A10 (See Section 2.10)
ECOSYS MA3500cifx	1	1GB, 2GB	A10 (See Section 2.10)
ECOSYS MA4000cix	1	1GB	A11 (See Section 2.11)
ECOSYS MA4000cifx	1	1GB	A11 (See Section 2.11)
TASKalfa MA3500ci	1	1GB	A11 (See Section 2.11)
TASKalfa MA4500ci	1	1GB	A11 (See Section 2.11)

## 2. Usable 144 pin DDR3-SDRAM DIMMs (32bit)

### **2.1 Machine Model Group A1**

#### **2.1.1 Recommended DIMMs**

The following modules have been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	512MB	D3X1333-X512HDA	H5TQ2G63DFR-H9C	2
	1GB	D3X1333-S1GHCA	H5TQ2G83CFR-H9C	4
	1GB	D3X1333-S1GSDA	K4B2G08460-HCH9	4
	1GB	D3X1333-S1GHFA7KE	H5TC2G83FFR-PBA	4

#### **2.1.2 Briefly Confirmed DIMM**

The following module has been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the printer and MFP.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.2 Machine Model Group A2

### 2.2.1 Recommended DIMMs

The following modules have been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	512MB	D3X1333-X512HDA	H5TQ2G63DFR-H9C	2
	1GB	D3X1333-S1GHCA	H5TQ2G83CFR-H9C	4
	1GB	D3X1333-S1GSDA	K4B2G08460-HCH9	4
	1GB	D3X1333-S1GHFA7KE	H5TC2G83FFR-PBA	4
	2GB*1	D3X1333-B2GMKA	MT41K256M8DA-125:K	8

(Note)

\*1 : Due to printer and MFP system constraints, the maximum combined memory capacity that can be used by the system is 2GB. For example, even with the following memory combination, only a combined of 2GB of memory is usable.

### 2.2.2 Briefly Confirmed DIMM

The following module has been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the printer and MFP.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.3 Machine Model Group A3

### 2.3.1 Recommended DIMM

The following modules have been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-X1GHCA7	H5TC4G63CFR-PBA	2

### 2.3.2 Briefly Confirmed DIMMs

The following module has been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the MFP.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-S1GHFA7KE	H5TC2G83FFR-PBA	4
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.4 Machine Model Group A4

### 2.4.1 Recommended DIMMs

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-X1GHCA7	H5TC4G63CFR-PBA	2
	2GB	D3X1333-B2GMKA	MT41K256M8DA-125:K	8

### 2.4.2 Briefly Confirmed DIMMs

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-S1GHFA7KE	H5TC2G83FFR-PBA	4
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.5 Machine Model Group A5

### 2.5.1 Recommended DIMMs

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-X1GHCA7	H5TC4G63CFR-PBA	2
	2GB	D3X1333-B2GMKA	MT41K256M8DA-125:K	8

### 2.5.2 Briefly Confirmed DIMMs

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-S1GNIA7	NT5CC256M8IN-DI	4
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.6 Machine Model Group A6

### 2.6.1 Recommended DIMMs

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-X1GNDA7	NT5CC256M16DP-DI	2
	1GB	D3X1333-S1GNIA7	NT5CC256M8IN-DI	4
	2GB	D3X1333-B2GMKA	MT41K256M8DA-125:K	8

### 2.6.2 Briefly Confirmed DIMM

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.7 Machine Model Group A7

### 2.7.1 Recommended DIMMs

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-X1GNDA7	NT5CC256M16DP-DI	2
	1GB	D3X1333-S1GNIA7	NT5CC256M8IN-DI	4

### 2.7.2 Briefly Confirmed DIMM

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.8 Machine Model Group A8

### 2.8.1 Recommended DIMMs

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-X1GSEA9	K4B4G1646E-BYMA	2
	1GB	D3X1333-S1GSFA9	K4B2G0846F-BYMA	4
	1GB	D3X1333-S1GNJA9	NT5CC256M8JQ-EK	4
	2GB	D3X1333-B2GMKA	MT41K256M8DA-125:K	8

### 2.8.2 Briefly Confirmed DIMM

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.9 Machine Model Group A9

### 2.9.1 Recommended DIMMs

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-S1GNJA9	NT5CC256M8JQ-EK	4
	2GB	D3X1333-S2GHEA7	H5TC4G83EFR-PBA	4

### 2.9.2 Briefly Confirmed DIMM

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## 2.10 Machine Model Group A10

### 2.10.1 Recommended DIMM

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-S1GNJA9	NT5CC256M8JQ-EK	4
	2GB*2	D3X1333-S2GHEA7	H5TC4G83EFR-PBA	4

(Note)

\*2 : Due to MFP system constraints, the maximum combined memory capacity that can be used by the system is 3GB. For example, even with the following memory combination, only a combined of 3GB of memory is usable.

### 2.10.2 Briefly Confirmed DIMM

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

## **2.11 Machine Model Group A11**

### **2.11.1 Recommended DIMM**

The following module has been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	1GB	D3X1333-S1GNJA9	NT5CC256M8JQ-EK	4

### **2.11.2 Briefly Confirmed DIMM**

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	1GB	MX870LM00097	MT41K256M8DA-125:K	4

### 3. Usable 144 pin DDR3-SDRAM DIMMs (16bit)

#### **3.1 Machine Model Group B1**

##### **3.1.1 Recommended DIMMs**

The following modules have been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	512MB	D3K1333-S512NIA7	NT5CC256M8IN-DI	2
	512MB	D3K1333-S512MKA7	MT41K256M8DA-125:K	2
	1GB	D3K1333-S1GNDA7	NT5CC512M8DN-DI	2
	1GB	D3K1333-S1GMEA7	MT41K512M8RH-125:E	2

##### **3.1.2 Briefly Confirmed DIMMs**

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	512MB	MX512M16D3LC9S2KMA	MT41K256M8DA-125:K	2
MEMORY EXPERTS	1GB	MX1G16D3LC9S2KMA	MT41K512M8DA-107:P	2

### 3.2 Machine Model Group B2

#### 3.2.1 Recommended DIMMs

The following modules have been completely evaluated by the engineering section for the above products.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
Buffalo	512MB	D3K1333-S512HGA7	NT5CC256M8JQ-EK	2
	1GB	D3K1333-S1GSEA9	K4B4G0846E-BYMA	2
	1GB	D3K1333-S1GMPA9	MT41K512M8DA-107:P	2

#### 3.2.2 Briefly Confirmed DIMMs

The following modules have been evaluated and work in the above products. However, local checks should be made before putting onto the memory list. Please note that if the SDRAM devices were changed from the below devices, they may not work in the Printer.

Manufacturer	Capacity	Part Name	Mounted SDRAM	Qua.
MEMORY EXPERTS	512MB	MX512M16D3LC9S2KMA	MT41K256M8DA-125:K	2
MEMORY EXPERTS	1GB	MX1G16D3LC9S2KMA	MT41K512M8DA-107:P	2

## 4. Usable 144 pin DDR3-SDRAM DIMMs (Original option)

### **4.1** Machine Model Group C1

#### **4.1.1** Original option DIMMs

The following modules are Original Option DIMMs.

Manufacturer	Capacity	Part Name	SDRAMs Qua.
KDC	1GB	1503WX0UN0	2
	2GB	1503WY0UN0	4

It does not work with commercial DDR3-SDRAM DIMMs such as Buffalo or MEMORY EXPERTS.

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