

C B T E S T R E P O R T

50036384 002

for

MFP (Multi Function Printer)

TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci,  
TASKalfa 3252ci, TASKalfa 2552ci, TASKalfa 6002i,  
TASKalfa 5002i, TASKalfa 4002i

KYOCERA Document Solutions Inc.



This documentation consists of **63** pages (excluding this cover page).



Test Report issued under the responsibility of:



**TEST REPORT**  
**IEC 60950-1**  
**Information technology equipment – Safety –**  
**Part 1: General requirements**

**Report Number.** ..... : 50036384 002

**Date of issue** ..... : 2016-03-15

**Total number of pages** ..... : 63

**Applicant's name** ..... : KYOCERA Document Solutions Inc.

**Address** ..... : 1-2-28, Tamatsukuri, Chuo-ku, Osaka-shi, Osaka, 540-8585 Japan

**Test specification:**

**Standard** ..... : IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

**Test procedure** ..... : CB Scheme

**Non-standard test method** ..... : N/A

**Test Report Form No.** ..... : IEC60950\_1F

**Test Report Form(s) Originator** ..... : SGS Fimko Ltd

**Master TRF** ..... : Dated 2014-02

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**This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.**

**General disclaimer:**



The test results presented in this report relate only to the object tested.

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**IEC 60950-1**

<b>Test item description .....</b>	MFP (Multi Function Printer)
<b>Trade Mark.....</b>	KYOCERA (on the products)
<b>Manufacturer .....</b>	(Same as Applicant)
<b>Model/Type reference .....</b>	TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 3252ci, TASKalfa 2552ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i
<b>Ratings .....</b>	AC 220-240V, 50/60Hz, 7.2A

## IEC 60950-1

<b>Testing procedure and testing location:</b>		
<input type="checkbox"/>	<b>CB Testing Laboratory:</b>	TÜV Rheinland Japan Ltd., Osaka Laboratory
<b>Testing location/ address .....</b>		Kansai Technology Assessment Center 1-3-14 Fukae Minami, Higashinari-ku, Osaka 537-0002, Japan
<input type="checkbox"/>	<b>Associated CB Testing Laboratory:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name + signature).....</b>		
<b>Approved by (name + signature) .....</b>		
<input checked="" type="checkbox"/>	<b>Testing procedure: TMP/CTF Stage 1:</b>	KYOCERA Document Solutions Inc.
<b>Testing location/ address .....</b>		1-2-28, Tamatsukuri, Chuo-ku, Osaka-shi, Osaka, 540-8585 Japan
<b>Tested by (name + signature).....</b>		N. Mukaijo 
<b>Approved by (name + signature) .....</b>		S. Hamamoto 
<input type="checkbox"/>	<b>Testing procedure: WMT/CTF Stage 2:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name + signature).....</b>		
<b>Witnessed by (name + signature) .....</b>		
<b>Approved by (name + signature) .....</b>		
<input type="checkbox"/>	<b>Testing procedure: SMT/CTF Stage 3 or 4:</b>	
<b>Testing location/ address .....</b>		
<b>Tested by (name + signature).....</b>		
<b>Witnessed by (name + signature) .....</b>		
<b>Approved by (name + signature) .....</b>		
<b>Supervised by (name + signature).....</b>		

**IEC 60950-1****List of Attachments:**

None

**Summary of testing:**

(See General product information)

**Additionally evaluated Test specifications: (see original test report).**

EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013

IEC 60825-1:2014 / EN 60825-1:2014

**Summary of compliance with National Differences****List of countries addressed:**EU Group Differences, EU Special National Conditions, EU A-Deviations  
AT, DK, IT, SE, GB

AT=Austria, DK=Denmark, IT=Italy, SE=Sweden, GB=United Kingdom.

For National Differences see original test report.

## IEC 60950-1

<b>Test item particulars</b>	
<b>Equipment mobility</b> .....	<input type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input checked="" type="checkbox"/> stationary <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in
<b>Connection to the mains</b> .....	<input checked="" type="checkbox"/> pluggable equipment <input checked="" type="checkbox"/> type A <input type="checkbox"/> type B <input type="checkbox"/> permanent connection <input checked="" type="checkbox"/> detachable power supply cord <input type="checkbox"/> non-detachable power supply cord <input type="checkbox"/> not directly connected to the mains
<b>Operating condition</b> .....	<input checked="" type="checkbox"/> continuous <input type="checkbox"/> rated operating / resting time:
<b>Access location</b> .....	<input checked="" type="checkbox"/> operator accessible <input type="checkbox"/> restricted access location
<b>Over voltage category (OVC)</b> .....	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other:
<b>Mains supply tolerance (%) or absolute mains supply values</b> .....	±10%
<b>Tested for IT power systems</b> .....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>IT testing, phase-phase voltage (V)</b> .....	230V
<b>Class of equipment</b> .....	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Not classified
<b>Considered current rating of protective device as part of the building installation (A)</b> .....	16A
<b>Pollution degree (PD)</b> .....	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
<b>IP protection class</b> .....	Not rated, indoor use only.
<b>Altitude during operation (m)</b> .....	Up to 3500m
<b>Altitude of test laboratory (m)</b> .....	< 1000
<b>Mass of equipment (kg)</b> .....	1) TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci Approx. 95kg without optional accessories 2) TASKalfa 3252ci, TASKalfa 2552ci Approx. 90kg without optional accessories 3) TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i Approx. 83kg without optional accessories
<b>Possible test case verdicts:</b>	
- test case does not apply to the test object .....	N/A (or N)
- test object does meet the requirement .....	P (Pass)
- test object does not meet the requirement .....	F (Fail)
<b>Testing</b>	
<b>Date of receipt of test item</b> .....	N/A
<b>Date(s) of performance of tests</b> .....	2016-03-15

## IEC 60950-1

**General remarks:**

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

**Manufacturer's Declaration per sub-clause 6.2.5 of IEC 60950-1:**

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided .....

☒ **Yes**  
☐ **Not applicable**

**When differences exist; they shall be identified in the General product information section.**

- Name and address of factory (ies) .....**
- 1) KYOCERA Document Technology (Dongguan) Co., Ltd.  
 Kyocera Industrial Park  
 3 Fangzheng East Rd, Shilong,  
 Dongguan, Guangdong, P.R. China
  - 2) Panasonic System Networks Co., Ltd.  
 1471 Murata-machi, Tosu-shi, Saga, 841-8501 Japan
  - 3) YiHe PLASTIC & ELECTRONIC PRODUCTS (SHENZHEN) CO., LTD.  
 EVA Industrial Garden, number 11 GuoTai Road,  
 TangTou Community, ShiYan Town, BaoAn District,  
 Shenzhen, P.R. China
  - 4) Panasonic System Networks (Zhuhai) Co., Ltd.  
 3 Ping Xi 8 Lu Nanping Keji Gongye Yuan, Zhuhai,  
 Guangdong, P.R. China
  - 5) KYOCERA Document Solutions Inc. Hirakata Plant  
 1-38-12 Tsuda-Kita-machi, Hirakata-shi, Osaka,  
 573-0121 Japan
  - 6) Tenma Precision (ShenZhen) Co., Ltd.  
 No. 1301-19 Guangguang Road, Dabuxiang Community,  
 Guanlan Sub-district, Bao' an District, Shenzhen,  
 Guangdong Province 518110, P.R. China

**IEC 60950-1****Change of Manufacturer:**

(not changed)

**Change of Factory(ies):**

(not changed)

**History of amendments and modifications:**

Ref. No. 50036384 001, 2016-02-22 (original test report)



## IEC 60950-1

**General product information:****Description of change(s): (Modification)**

1. Addition of Alternate Black Container Solenoid,  
type **TDS-07A (TDS-07A-103)**, manufactured by TDS Co., Ltd.
2. Addition of Alternate Colour Container Solenoid,  
type **TDS-07A (TDS-07A-103)**, manufactured by TDS Co., Ltd.
3. Addition of information for Inductor (L3) on Switching Power Supply Unit (MPW9214X)  
for Model TASKalfa 3252ci, TASKalfa 2552ci,  
Alternate Switching Power Supply Unit for Model TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i  
as follows;  
Type/Model: EMD15163B (**Marking:8101DL4\_7**)

For details see "TABLE: List of critical components" in this test report, written in **bold**.

For the above described changes the following was considered to be necessary:

Change	Testing		Comments
	Clause	Test description	
1, 2	5.3	Abnormal operating and fault conditions.	
3	--	--	No additional test is necessary.

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict
<b>5.3</b>	<b>Abnormal operating and fault conditions</b>		<b>P</b>
5.3.5	Electromechanical components	Movement locked. Solenoids and clutches continuously energized. Stepping motors driver short or one winding continuously energized. (see appended table 5.3)	P
5.3.9	Compliance criteria for abnormal operating and fault conditions		P
5.3.9.1	During the tests	No fire propagated beyond the equipment. No molten metal was emitted.	P
5.3.9.2	After the tests	Electric strength test primary to SELV passed.	P

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Power Supply Cord (Optional)	Harvest Electric Wire And Products Mfg. Co., Ltd.	Plug: HE-104 Cord: H05VV-F Connector: HP-3	250V, 16A 1.0 mm <sup>2</sup> x 3 250V, 10A	DIN VDE 0620-2-1 IEC/EN50525-2-11 IEC/EN60320-1	VDE	
Power Supply Cord (Optional), Alternate	Changzhou Hongchang Electronics Co., Ltd.	Plug: DTIII-2P-05 Cord: H05VV-F  Connector: DTII- 3P-04 or DTII-3P- 04L	250V, 16A 1.0 mm <sup>2</sup> x 3  250V, 10A	VDE 0620-2-1 IEC/EN 50525-2- 11 IEC/EN 60320-1	VDE	
Power Supply Cord (Optional), Alternate	ASAP Technology (Jiangxi) Co., Ltd.	Plug: A12-0009- AC2 Cord: H05VV-F  Connector: A12- 0012-AC2	250V, 16A 1.0 mm <sup>2</sup> x 3  250V, 10A	VDE 0620-1  IEC/EN 50525-2- 11 IEC/EN 60320-1	VDE	
Power Supply Cord (Optional), Alternate	Interchangeable	Plug: Interchangeable Cord: Interchangeable Connector: Interchangeable	250V, 16A  1.0 mm <sup>2</sup> x 3  250V, 10A	IEC/EN 60799 or IEC/EN 60884 IEC/EN 60227  IEC/EN 60320	--	
Appliance Inlet	Rong Feng Industrial Co., Ltd.	SS-120 Series	250Vac, 10A 250Vac, 15A (UL)	EN60320-1 IEC60320-1	VDE	
Appliance Inlet, Alternate	Echo Electric Co., Ltd.	AC-P20	250Vac, 10A 250Vac, 15A (UL)	EN60320-1 IEC60320-1	SEMKO	
Switch						
Main Switch	Otax Co., Ltd.	LLN55C	20A, 125/250Vac, 6,000 Cycles	EN61058-1 IEC61058-1	TUV	
Main Switch, Alternate	Panasonic Corp.	AJ8R Series	10A(4), 250Vac, 10,000 Cycles	EN61058-1 IEC61058-1	VDE	
Interlock Switch (Front/Right Side)	Omron Corp.	D3V-16506-3C25 (10E)	250Vac/16(3)A, 50,000 Cycles	IEC/EN61058-1	VDE	

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Fuser Unit						
Thermal Cutoff (SEC)	The Hosho Corp. or Portage Electric Products Inc.	H4-230D018 (H4 series)	3.3Vdc, 0.2A max., 230°C 50Vdc, 0.5A max.	IEC/EN60730-2-9	TUV	
Right Fuser Cover, Bottom Fuser Cover, Fuser F Cover, Fuser R Cover, Press F Duct, Press R Duct	Kaneka Corp.	3401NX	V-0, Min. 1.5mm thick	UL94	UL(E48854)	
Right Fuser Exit Guide, Left Fuser Exit Guide	Asahi Kasei Chemicals Corp., Xyron Polymer	DG141	V-1, Min.1.5mm thick	UL94	UL(E82268)	
Claw Cover	Toray Industries Inc.	A390M65	V-0, Min. 0.72mm thick	UL94	UL(E41797)	
IH Coil Unit						
IH Coil Wire	Totoku Electric Co., Ltd.	1-AILOCKBT	Litz Wire 5/ 17/ 0.15	--	Evaluated together with unit	
IH Coil Holder	Polyplastics Co., Ltd.	E481i	V-0, Min. 0.4mm thick	UL94	UL(E106764)	

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Switching Power Supply Unit for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i						
Switching Power Supply Unit	Murata Mfg. Co., Ltd.	MPW9216X (X may be blank or any number from 0 to 9 or alphabetical number.)	Input: AC 220 - 240 V Output: 24V/14.6A, 5V/10.8A	--	Evaluated together with unit	
PWM Control IC (IC502)	Fuji Electric Co., Ltd.	FA8A01N (Marking: 8A01)	VH pin: 500V/10mA VCC pin: 28V/20mA	IEC/EN60950-1	NEMKO CB (NO81148)	
Bleeding Resistor (R18, R19, R20, R21, R22, R23)	Interchangeable	Interchangeable	3.9 kohm, 1/4 W	--	Evaluated together with unit	
Surge Suppressor (Z1)	Nippon Chemi-Con Corp.	TNR14SE471K or TND14SE471K	300 Vac	IEC/EN 61051 IEC/EN 60950-1 Ed2.2: 2013/ Annex Q	VDE	
X - Capacitor (C1, C2)	Okaya Electric Industries Co., Ltd.	LE series	310V, 1.0uF X2	EN/IEC60384-14	ENEC(SEMKO )	
X - Capacitor (C1, C2), Alternate	Panasonic Electronic Devices Japan Co., Ltd. or Panasonic	ECQUL	275V, 1.0uF X2	EN/IEC60384-14	VDE	
X - Capacitor (C1, C2), Alternate	Pilkor Electronics Co., Ltd.	PCX2 337	275V/305V, 1.0uF X2	EN/IEC60384-14	ENEC(SEMKO )	
X - Capacitor (C1, C2), Alternate	Zhuhai Sung Ho Electronics Co., Ltd.	CMPP	275V, 1.0uF X2	EN/IEC60384-14	VDE	
Y -Capacitors (C5, C6)	Murata Mfg. Co., Ltd.	KX	300V/250V, 2200pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitors (C5, C6), Alternate	TDK-EPC Corp.	CS	250V, 2200pF Y2	EN/IEC60384-14	SEMKO	
Y -Capacitors (C5, C6), Alternate	TDK-EPC Corp.	CD	250V, 2200pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitors (C5, C6), Alternate	Murata Mfg. Co., Ltd.	KH	300V/250V, 2200pF Y2	EN/IEC60384-14	SEMKO	

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Y -Capacitor (C400)	Murata Mfg. Co., Ltd.	KX	300V/250V, 470pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitor (C400), Alternate	TDK-EPC Corp.	CS	250V, 470pF Y2	EN/IEC60384-14	SEMKO	
Y -Capacitor (C400), Alternate	TDK-EPC Corp.	CD	250V, 470pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitor (C400), Alternate	Murata Mfg. Co., Ltd.	KH	300V/250V, 470pF Y2	EN/IEC60384-14	SEMKO	
Y -Capacitors (C300, C500)	Murata Mfg. Co., Ltd.	KX	300V/250V, 1000pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitors (C300, C500), Alternate	TDK-EPC Corp.	CD	250V, 1000pF Y1	EN/IEC60384-14	SEMKO	
Electrolytic Capacitor (C401)	Interchangeable	Interchangeable	450V, 330uF	--	Evaluated together with unit	
Inductor (L1)	Tokyo Parts Industrial Co., Ltd.	TLF-28A (Marking: 2R7A502A)	5mH (2.7A) Class A	--	Evaluated together with unit	
Inductor (L2)	Tokyo Parts Industrial Co., Ltd.	TLF-24A (Marking: 2R7A182A)	1.8mH (2.7A) Class A	--	Evaluated together with unit	
Inductor (L401)	Murata Mfg. Co., Ltd.	1P019	194uH Class B UL System Designation: CM	UL1446	Evaluated together with unit UL(E247878)	
Bridge Rectifier (D1)	Interchangeable	Interchangeable	Min. 600V, Min. 15A	--	Evaluated together with unit	
FET (Q301, Q320)	Interchangeable	Interchangeable	Min. 500V, Min. 12A	--	Evaluated together with unit	
FET (Q401)	Interchangeable	Interchangeable	Min. 600V, Min. 16A	--	Evaluated together with unit	
FET (Q501)	Interchangeable	Interchangeable	Min. 900V, Min. 5A	--	Evaluated together with unit	
Triac (TRA701)	Interchangeable	Interchangeable	Min. 800V, Min. 8A	--	Evaluated together with unit	

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Photo Coupler (PC301, PC501, PC502, PC601)	Everlight Electronics Co., Ltd.	EL816M2 (Marking: EL816)	Isolation thickness: ≥0.5 mm, Ext. cr.: ≥7.9 mm, Int. cr.: ≥6 mm,	IEC/EN60950-1 IEC/EN60065	SEMKO	
Photo Coupler (PC701)	Toshiba Corp.	TLP363JF (Marking: P363JF)	Isolation thickness: > 0.4 mm, Ext. cr.: > 8 mm, Int. cr. = thermal cycling tested (2.10.11), Isolation voltage: min. AC 5000V	IEC/EN60950-1 IEC/EN60747-5-2	SEMKO	
Transformer (T301)	Tabuchi Electric Co., Ltd.	2614QS002 (Marking: 2614QS2)	Class B UL System Designation: ZFS- B1	UL1446	Evaluated together with unit UL(E57091)	
Transformer (T501)	Murata Mfg. Co., Ltd.	2Q154	Class B UL System Designation: CM	UL1446	Evaluated together with unit UL(E247878)	
Fuse (F1, F3)	Cooper Bussmann Inc.	S505 (-R series)	250V, T5AH	EN60127-2 IEC60127-2	SEMKO	
Fuse (F1, F3), Alternate	SkyGate Co., Ltd.	SG5063	250V, T5AH	EN60127-2 IEC60127-2	SEMKO	
Fuse (F1, F3), Alternate	Littelfuse Inc. or Suzhou Littelfuse OVS Ltd.	215 series	250V, T5AH	EN60127-2 IEC60127-2	SEMKO	
Fuse (F2)	Littelfuse Inc. or Suzhou Littelfuse OVS Ltd.	215 series	250V, T12AH (Marking: 250VP)	EN60127-2 IEC60127-2	SEMKO	
Fuse (F391)	SkyGate Co., Ltd.	SCT	250 V, T4A	EN60127-3 IEC60127-3	VDE	
Fuse (F391), Alternate	Hollyland Co., Ltd.	5ET	250 V, T4A	EN60127-3 IEC60127-3	SEMKO	
Fuse (F701)	SkyGate Co., Ltd.	SCT	250 V, T3.15A	EN60127-3 IEC60127-3	VDE	
Fuse (F701), Alternate	Hollyland Co., Ltd.	5ET	250 V, T3.15A	EN60127-3 IEC60127-3	SEMKO	
Posistor (TH391)	Tyco Electronics Corp. (Raychem)	RUEF300 (Marking: U300)	30Vdc, 3.0A	IEC/EN60730	TUV	

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Connector (YC1, YC2)	Hirose Electric Co., Ltd.	DF22 series	600V, 15A (AWG 16; 1, 2 or 3 contacts), 14A (AWG 16; 4 or 5 contacts)	IEC/EN61984	TUV	
Connector (YC3)	Japan Solderless Terminal Mfg Co., Ltd.	Type H, series VH	250V, 10A (AWG 16)	IEC/EN61984	TUV	
Connector (YC4)	Japan Solderless Terminal Mfg Co., Ltd.	Type H, series XH	250V, 3A (AWG 22)	IEC/EN61984	TUV	
Fixing Bond for R443, R445, R446	Konishi Co., Ltd.	FB500HW or FB500HB	V-0	UL 94	UL(E325882)	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	



IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Switching Power Supply Unit for Model TASKalfa 3252ci, TASKalfa 2552ci Alternate Switching Power Supply Unit for Model TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i						
Switching Power Supply Unit	Murata Mfg. Co., Ltd.	MPW9214X (X may be blank or any number from 0 to 9 or alphabetical number.)	Input: AC 220 - 240 V Output: 24V/9.5A, 5V/9.2A	--	Evaluated together with unit	
PWM Control IC (IC502)	Fuji Electric Co., Ltd.	FA8A01N (Marking: 8A01)	VH pin: 500V/10mA VCC pin: 28V/20mA	IEC/EN60950-1	NEMKO CB (NO81148)	
Bleeding Resistor (R18, R19, R20, R21, R22, R23)	Interchangeable	Interchangeable	3.9 kohm, 1/4 W	--	Evaluated together with unit	
Surge Suppressor (Z1)	Nippon Chemi-Con Corp.	TNR14SE471K or TND14SE471K	300 Vac	IEC/EN 61051 IEC/EN 60950-1 Ed2.2: 2013/ Annex Q	VDE	
X - Capacitor (C1)	Okaya Electric Industries Co., Ltd.	LE series	310V, 0.47uF X2	EN/IEC60384-14	ENEC(SEMKO )	
X - Capacitor (C1), Alternate	Panasonic Electronic Devices Japan Co., Ltd. or Panasonic	ECQUL	275V, 0.47uF X2	EN/IEC60384-14	VDE	
X - Capacitor (C1), Alternate	Pilkor Electronics Co., Ltd.	PCX2 337	275V/305V, 0.47uF X2	EN/IEC60384-14	ENEC(SEMKO )	
X - Capacitor (C1), Alternate	Zhuhai Sung Ho Electronics Co., Ltd.	CMPP	275V, 0.47uF X2	EN/IEC60384-14	VDE	
X - Capacitor (C2)	Okaya Electric Industries Co., Ltd.	LE series	310V, 0.22uF X2	EN/IEC60384-14	ENEC(SEMKO )	
X - Capacitor (C2), Alternate	Panasonic Electronic Devices Japan Co., Ltd. or Panasonic	ECQUL	275V, 0.22uF X2	EN/IEC60384-14	VDE	
X - Capacitor (C2), Alternate	Pilkor Electronics Co., Ltd.	PCX2 337	275V/305V, 0.22uF X2	EN/IEC60384-14	ENEC(SEMKO )	
X - Capacitor (C2), Alternate	Zhuhai Sung Ho Electronics Co., Ltd.	CMPP	275V, 0.22uF X2	EN/IEC60384-14	VDE	

IEC 60825-1			
Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Y -Capacitors (C5, C6)	Murata Mfg. Co., Ltd.	KX	300V/250V, 470pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitors (C5, C6), Alternate	TDK-EPC Corp.	CS	250V, 470pF Y2	EN/IEC60384-14	SEMKO	
Y -Capacitors (C5, C6), Alternate	TDK-EPC Corp.	CD	250V, 470pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitors (C5, C6), Alternate	Murata Mfg. Co., Ltd.	KH	300V/250V, 470pF Y2	EN/IEC60384-14	SEMKO	
Y -Capacitors (C300, C500)	Murata Mfg. Co., Ltd.	KX	300V/250V, 2200pF Y1	EN/IEC60384-14	SEMKO	
Y -Capacitors (C300, C500), Alternate	TDK-EPC Corp.	CD	250V, 2200pF Y1	EN/IEC60384-14	SEMKO	
Electrolytic Capacitor (C10)	Interchangeable	Interchangeable	450V, 330uF	--	Evaluated together with unit	
Inductor (L1)	Tokyo Parts Industrial Co., Ltd.	DRB25 (DRB25- 06A103NP)	10mH (6A) Class A	--	Evaluated together with unit	
Inductor (L2)	Tokyo Parts Industrial Co., Ltd.	TLF-24A (Marking: 2R7A182A)	1.8mH (2.7A) Class A	--	Evaluated together with unit	
Inductor (L3)	Tabuchi Electric Co., Ltd.	EMD15163B (Marking: 8101DL4_7)	7.5mH (2.0A) Class A	--	Evaluated together with unit	
Bridge Rectifier (D1)	Interchangeable	Interchangeable	Min. 600V, Min. 15A	--	Evaluated together with unit	
FET (Q301, Q302, Q501)	Interchangeable	Interchangeable	Min. 900V, Min. 5A	--	Evaluated together with unit	
Triac (TRA701)	Interchangeable	Interchangeable	Min. 800V, Min. 8A	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Photo Coupler (PC301, PC501, PC502, PC601)	Everlight Electronics Co., Ltd.	EL816M2 (Marking: EL816)	Isolation thickness: ≥0.5 mm, Ext. cr.: ≥7.9 mm, Int. cr.: ≥6 mm,	IEC/EN60950-1 IEC/EN60065	SEMKO	
Photo Coupler (PC701)	Toshiba Corp.	TLP363JF (Marking: P363JF)	Isolation thickness: > 0.4 mm, Ext. cr.: > 8 mm, Int. cr. = thermal cycling tested (2.10.11), Isolation voltage: min. AC 5000V	IEC/EN60950-1 IEC/EN60747-5-2	SEMKO	
Transformer (T301)	Murata Mfg. Co., Ltd.	2V121	Class B UL System Designation: CM	UL1446	Evaluated together with unit UL(E247878)	
Transformer (T501)	Murata Mfg. Co., Ltd.	2Q154	Class B UL System Designation: CM	UL1446	Evaluated together with unit UL(E247878)	
Fuse (F1)	Cooper Bussmann Inc.	S505 (-R series)	250V, T5AH	EN60127-2, IEC60127-2	SEMKO	
Fuse (F1), Alternate	SkyGate Co., Ltd.	SG5063	250V, T5AH	EN60127-2, IEC60127-2	SEMKO	
Fuse (F1), Alternate	Littelfuse Inc. or Suzhou Littelfuse OVS Ltd.	215 series	250V, T5AH	EN60127-2, IEC60127-2	SEMKO	
Fuse (F2)	Littelfuse Inc.	215 series	250V, T12AH (Marking: 250VP)	EN60127-2, IEC60127-2	SEMKO	
Fuse (F391)	SkyGate Co., Ltd.	SCT	250 V, T4A	EN60127-3, IEC60127-3	VDE	
Fuse (F391), Alternate	Hollyland Co., Ltd.	5ET	250 V, T4A	EN60127-3, IEC60127-3	SEMKO	
Fuse (F701)	SkyGate Co., Ltd.	SCT	250V, T3.15A	EN60127-3, IEC60127-3	VDE	
Fuse (F701), Alternate	Hollyland Co., Ltd.	5ET	250 V, T3.15A	EN60127-3, IEC60127-3	SEMKO	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Posistor (TH391)	Tyco Electronics Raychem	RUEF300 (Marking: U300)	30Vdc, 3.0A	IEC/EN60370	TUV	
Connector (YC1, YC2)	Hirose Electric Co., Ltd.	DF22 series	600V, 15A (AWG 16; 1, 2 or 3 contacts), 14A (AWG 16; 4 or 5 contacts)	IEC/EN61984	TUV	
Connector (YC4)	Japan Solderless Terminal Mfg Co., Ltd.	Type H, series XH	250V, 3A (AWG 22)	IEC/EN61984	TUV	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
IH PWB						
IH PWB	KYOCERA Document Solutions Inc.	2ND0126	Input: 220 - 240 Vac, 6.14A max. Output: 339V max., 18.0A max.	--	Evaluated together with unit	
Bleeding Resistor (R1, R2)	Interchangeable	Interchangeable	220 kohm, 1/4 W	--	Evaluated together with unit	
Varistor (N1, N4)	Panasonic Corporation	E11471	300 Vac	IEC/EN61051 IEC/EN60950-1 Ed2.2:2013/ Annex Q	VDE	
Varistor (N1, N4), Alternate	Panasonic Corporation	V14471U (ERZV14471U)	300 Vac	IEC/EN 61051 IEC/EN 60950-1 Ed2.2: 2013/ Annex Q	VDE	
Varistor (N1, N4), Alternate	Nippon Chemi-Con Corp.	TNR14SE471K or TND14SE471K	300 Vac	IEC/EN 61051 IEC/EN 60950-1 Ed2.2: 2013/ Annex Q	VDE	
X-Capacitor (C7, C8)	Okaya Electric Industries Co., Ltd.	LE series (Marking: LE105)	310V, 1uF X2	EN/IEC60384-14	ENEC(SEMKO )	
Y-Capacitor (C5, C6)	Murata Mfg. Co., Ltd.	KX	300V/250V, 4700pF Y1	EN/IEC60384-14	SEMKO	
Capacitor (C2, C12)	Interchangeable	Interchangeable	1250V, 0.23uF	--	Evaluated together with unit	
Capacitor (C4, C11)	Interchangeable	Interchangeable	450V, 0.05uF	--	Evaluated together with unit	
Capacitor (C14, C78, C79)	Interchangeable	Interchangeable	450V, 4.7uF	--	Evaluated together with unit	
Inductor (L1)	TMP Inc.	TN27/15V-06221	492uH Class A	--	Evaluated together with unit	
Inductor (L3)	TMP Inc.	TC25V-39215R	3.9mH Class A	--	Evaluated together with unit	
Inductor (L4)	Panasonic	ELC12D681E (Marking: 681)	680uH Class A	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Bridge Diode (D1)	Interchangeable	Interchangeable	Min. 600V, Min. 20A	--	Evaluated together with unit	
IGBT (Q1, Q2)	Interchangeable	Interchangeable	Min. 600V, Min. 30A	--	Evaluated together with unit	
Photo Coupler (NC1)	Toshiba	TLP2768 (Marking: P2768)	Isolation thickness: ≥0.4 mm, Ext. cr.: ≥7 mm Isolation voltage: min. AC 5000V	EN/IEC60747-5	VDE	
Photo Coupler (NC2, NC3, NC4)	Toshiba	TLP785 (Marking: P785)	Isolation thickness: > 0.6 mm, Ext. cr.: > 8 mm, Int. cr.: > 5.2 mm	EN/IEC60950-1, EN/IEC60065-1	SEMKO	
Transformer (T1)	Kami Electronics Ind. Co., Ltd.	CT-19G26RF (Marking: CT1901)	Class A	--	Evaluated together with unit	
Relay (RY1)	Panasonic.	LKG1aF-24V-16-1 (ALKG8221)	Contact: 250/125V, 16A Coil: 24 Vdc	EN/IEC61810-1	TUV	
Relay (RY1), Alternate	Panasonic Electric Works Co., Ltd.	ALE1PB24	Contact: 250/277V, 16A Coil: 24 Vdc	EN/IEC61810-1	VDE	
Relay (RY1), Alternate	Fujitsu Component Ltd.	FTR-K1 series	Contact: 250/277V, 16A Coil: 24 Vdc	EN/IEC61810-1	VDE	
Fuse (YF1)	Hollyland Co., Ltd.	65TS(P)	125/250V, 12A	EN/IEC60127-2	TUV	
Fuse (YF2)	Hollyland Co., Ltd.	5ET	125/250/300V, T1AL	EN/IEC60127-3	VDE	
Fuse (YF2), Alternate	SkyGate Co., Ltd.	SCT	250V, T1AL	EN/IEC60127-3	VDE	
Connector (YC1)	Hirose Electric Co., Ltd.	DF22 series	600V, 15A (AWG 16)	IEC/EN61984	TUV	
Connector (YC2, YC3)	Kyocera Connector Products Corp.	9229 series	V-0	UL 94 UL1977	UL(E67646)	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
High Voltage Unit, Main for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci						
Main High Voltage Unit	Power Supply Technology Co., Ltd.	EUK9MQC70HX (X may be any alphabetical number or blank)	Inputs: 24Vdc, max. 2.0A Output: M: AC 1150Vp-p, DC max. 1000V, Vslv: AC 1600Vp-p, DC max. 350V, Vmag: AC 2300Vp-p, DC max. 700V	--	Evaluated together with unit	
Main High Voltage Unit - Transformer (T009, T010, T011, T012)	Power Supply Technology Co., Ltd.	ETB16GKL19	Class A Bobbin: Min. V-2 DC Output: M ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T101, T102, T201, T202)	Power Supply Technology Co., Ltd.	ETB28NK30	Class A Bobbin: Min. V-2 AC Output: M ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T301, T401, T501, T601)	Power Supply Technology Co., Ltd.	ETB28RK4	Class A Bobbin: Min. V-2 AC Output: Vslv ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T302, T402, T502, T602)	Power Supply Technology Co., Ltd.	ETB28RK5	Class A Bobbin: Min. V-2 AC Output: Vmag ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T701)	Power Supply Technology Co., Ltd.	ETB16GKM13Y	Class A Bobbin: Min. V-2 DC Output: Vmag ≤4kV, Vslv ≤4kV	UL94	Evaluated together with unit UL	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
High Voltage Unit, Main for Model TASKalfa 3252ci, TASKalfa 2552ci						
Main High Voltage Unit	Power Supply Technology Co., Ltd.	EUK9MQC68HX (X may be any alphabetical number or blank)	Inputs: 24Vdc, max. 0.65A Output: M: DC max. 3000V, Vmag: AC max. 4000V, DC max. 700V	--	Evaluated together with unit	
Main High Voltage Unit - Transformer (T101, T202, T203, T204)	Power Supply Technology Co., Ltd.	ETB20DKB6	Class A Bobbin: Min. V-2 DC Output: M ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T301)	Power Supply Technology Co., Ltd.	ETB24CK9	Class A Bobbin: Min. V-2 AC Output: Colour Vmag ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T302)	Power Supply Technology Co., Ltd.	ETB24CK2	Class A Bobbin: Min. V-2 AC Output: Black Vmag ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T701)	Power Supply Technology Co., Ltd.	ETB16GKM13Y	Class A Bobbin: Min. V-2 DC Output: Vmag ≤4kV	UL94	Evaluated together with unit UL	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	



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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
High Voltage Unit, Transfer						
Transfer High Voltage Unit	Power Supply Technology Co., Ltd.	EUK9MQC71HX (X may be any alphabetical number or blank)	Inputs: 24Vdc, max. 0.6A Outputs: T1: DC max. -4500V, T2: DC max. 8500V, SP: DC max. 6500V, CL: DC max. -5500V, PB: DC max. 2000V	--	Evaluated together with unit	
Transfer High Voltage Unit - High Voltage Block (T202)	Power Supply Technology Co., Ltd.	MS17CTPW4	Class A Bobbin: Min. V-2 Case: Min. V-2 DC Output: T2: max. 8500V	UL94	Evaluated together with unit UL	
Transfer High Voltage Unit - Transformer (T103)	Power Supply Technology Co., Ltd.	ETB20DKB4A	Class A Bobbin: Min. V-2 DC Output: Black T1: max. -4500V	UL94	Evaluated together with unit UL	
Transfer High Voltage Unit - Transformer (T102) (Optional)	Power Supply Technology Co., Ltd.	ETB20DKB4A	Class A Bobbin: Min. V-2 DC Output: Cyan T1: max. -4500V	UL94	Evaluated together with unit UL	
Transfer High Voltage Unit - Transformer (T101, T104) (Optional)	Power Supply Technology Co., Ltd.	ETB20DKB15A	Class A Bobbin: Min. V-2 DC Output: Yellow/Magenta T1: max. -4500V	UL94	Evaluated together with unit UL	
Transfer High Voltage Unit - Transformer (T201)	Power Supply Technology Co., Ltd.	ETB20DKD9A	Class A Bobbin: Min. V-2 DC Output: PB ≤4kV	UL94	Evaluated together with unit UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Transfer High Voltage Unit - Transformer (T203)	Power Supply Technology Co., Ltd.	ETB16GKL23	Class A Bobbin: Min. V-2 DC Output: T2: max. 8500V	UL94	Evaluated together with unit UL	
Transfer High Voltage Unit - Transformer (T301)	Power Supply Technology Co., Ltd.	ETB20DKB14A	Class A Bobbin: Min. V-2 DC Output: SP: max. 6500V	UL94	Evaluated together with unit UL	
Transfer High Voltage Unit - Transformer (T302)	Power Supply Technology Co., Ltd.	ETB20DKB2A	Class A Bobbin: Min. V-2 DC Output: CL: max. -5500V	UL94	Evaluated together with unit UL	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
High Voltage Unit, Main for Model TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i						
Main High Voltage Unit	Power Supply Technology Co., Ltd.	EUK9MQC72HX (X may be any alphabetical number or blank)	Inputs: 24Vdc, max. 0.8A Outputs: M: AC 1150Vp-p, DC max. 1000V, Vslv: AC 1600Vp-p, DC max. 350V, Vmag: AC 2300Vp-p, DC max. 700V	--	Evaluated together with unit	
Main High Voltage Unit - Transformer (T101, T201)	Power Supply Technology Co., Ltd.	ETB16GKL19	Class A Bobbin: Min. V-2 DC Output ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T102)	Power Supply Technology Co., Ltd.	ETB28NK35	Class A Bobbin: Min. V-2 AC Output: M ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T302)	Power Supply Technology Co., Ltd.	ETB28RK4	Class A Bobbin: Min. V-2 AC Output: Vslv ≤4kV	UL94	Evaluated together with unit UL	
Main High Voltage Unit - Transformer (T303)	Power Supply Technology Co., Ltd.	ETB28RK5	Class A Bobbin: Min. V-2 AC Output: Vmag ≤4kV	UL94	Evaluated together with unit UL	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
High Voltage Unit, Fuser						
Fuser High Voltage Unit	Power Supply Technology Co., Ltd.	EUK9SQD06HX (X may be any alphabetical number or blank)	Inputs: 24Vdc, max. 0.3A Output: FH: max. 6800V	--	Evaluated together with unit	
Fuser High Voltage Unit - Transformer (T101)	Power Supply Technology Co., Ltd.	ETB20DKB14A	Class A Bobbin: Min. V-2 DC Output: FH: max. 6800V	UL94	Evaluated together with unit UL	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1 , Min. 105°C	UL796	UL	
Fan Motor, Motor, Clutch, Solenoid						
Fuser Side Cooling Fan	Nidec Corp.	D06F-24SH 12B (EX)	24Vdc, 0.198A max.	--	Evaluated together with unit	
Exit/ IH Coil Fan 1	Minebea Co., Ltd.	06025SS-24N-AL-D3	24Vdc, 0.11A max.	--	Evaluated together with unit	
Exit/ IH Coil Fan 2	Minebea Co., Ltd.	06025SS-24N-AL-D3	24Vdc, 0.11A max.	--	Evaluated together with unit	
Exit/ IH Coil Fan 3 for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Minebea Co., Ltd.	06025SS-24N-AL-D3	24Vdc, 0.11A max.	--	Evaluated together with unit	
Container/ Hopper Fan for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	2410RL-05W-S60-C01	24Vdc, 0.12A max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Exit Fan	Minebea Co., Ltd.	06015SS-24N-AL-08	24Vdc, 0.13A max.	--	Evaluated together with unit	
IH PWB Fan	Nidec Corp.	D07F-24SS1 15B (EX)	24Vdc, 0.20A max.	--	Evaluated together with unit	
LVU Fan	Minebea Co., Ltd.	08025SS-24Q-AL-D4	24Vdc, 0.28A max.	--	Evaluated together with unit	
LVU Fan, Alternate	Nidec Corp.	D08K-24TU 62B (AX)	24Vdc, 0.143A max.	--	Evaluated together with unit	
Controller Fan	Nidec Corp.	D06R-05TM 12H1 (EX)	5Vdc, 0.41A max.	--	Evaluated together with unit	
Black Drum/DLP Fan for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Nidec Corp.	D05F-24PH 17 (EX)	24Vdc, 0.12A max.	--	Evaluated together with unit	
Colour Drum/DLP Fan for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Corp.	D05F-24PH 17 (EX)	Three provided. 24Vdc, 0.12A max.	--	Evaluated together with unit	
Toner Sucking Fan for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Nidec Corp.	D06F-24SH 12B (EX)	24Vdc, 0.198A max.	--	Evaluated together with unit	
Middle Transfer Cleaning Motor	Minebea Co., Ltd.	DIA42B10W21A	24Vdc, 1.0Arms max. Brushless Motor	--	Evaluated together with unit	
Transfer Belt Release Motor	Mabuchi Motor Co., Ltd.	RK-370CA-10800	24Vdc, 65mA max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Fuser Motor	Nidec Corp.	48M069F261	24Vdc, 1.6A max. Brushless Motor	--	Evaluated together with unit	
Fuser Motor, Alternate	Nidec Corp.	48M069F271	24Vdc, 2.2A max. Brushless Motor	--	Evaluated together with unit	
Fuser Pressure Control Motor	Mabuchi Motor Co., Ltd.	RK-370CA-11670	24Vdc, 130mA max.	--	Evaluated together with unit	
Feed Motor	Nidec Corp.	48M069F271	24Vdc, 2.2A max. Brushless Motor	--	Evaluated together with unit	
MPF Lift Motor	Mabuchi Motor Co., Ltd.	RK-370CA-081050	24Vdc, 110mA max.	--	Evaluated together with unit	
Black DLP/ Transfer Belt Motor	Nidec Corp.	48M069F201	24Vdc, 2.0A max. Brushless Motor	--	Evaluated together with unit	
Colour (M) DLP Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Corp.	48M069F261	24Vdc, 1.6A max. Brushless Motor	--	Evaluated together with unit	
Colour (C, Y) DLP Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Corp.	48M069F271	24Vdc, 2.2A max. Brushless Motor	--	Evaluated together with unit	
Colour DLP Motor for Model TASKalfa 3252ci, TASKalfa 2552ci	Nidec Corp.	48M069F261	24Vdc, 1.6A max. Brushless Motor	--	Evaluated together with unit	
Container Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Corp.	48M069F261	24Vdc, 1.6A max. Brushless Motor	--	Evaluated together with unit	
Container Motor for Model TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Nidec Corp.	42M069F251	24Vdc, 1.1A max. Brushless Motor	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Black Toner Motor	Standard Motor Co., Ltd.	RC370-KT-081000 (RC370-KT/081000/DV)	24Vdc, 110mA max.	--	Evaluated together with unit	
Colour Toner Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 3252ci, TASKalfa 2552ci	Standard Motor Co., Ltd.	RC370-KT-081000 (RC370-KT/081000/DV)	Three provided. 24Vdc, 110mA max.	--	Evaluated together with unit	
Toner Waste Motor	Mabuchi Motor Co., Ltd.	RK-370CA-11670	24Vdc, 130mA max.	--	Evaluated together with unit	
Waste Box Vibration Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Copal Corp.	LA4-467BC2	Four provided. 3.0Vdc, 160mA max.	--	Evaluated together with unit	
Waste Box Vibration Motor for Model TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Nidec Copal Corp.	LA4-467BC2	3.0Vdc, 160mA max.	--	Evaluated together with unit	
Black Drum Motor	Nidec Corp.	48M069G020	24Vdc, 1.6A max. Brushless Motor	--	Evaluated together with unit	
Colour Drum Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Corp.	48M069F180	24Vdc, 2.2A max. Brushless Motor	--	Evaluated together with unit	
Colour Drum Motor for Model TASKalfa 3252ci, TASKalfa 2552ci	Nidec Corp.	48M069G020	24Vdc, 1.6A max. Brushless Motor	--	Evaluated together with unit	
Black DLP Vibration Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Nidec Copal Corp.	LA4-467BC2	3.0Vdc, 160mA max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Colour DLP Vibration Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Nidec Copal Corp.	LA4-467BC2	Three provided. 3.0Vdc, 160mA max.	--	Evaluated together with unit	
Scanner Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM- K246CP01CF	Stepper type 24Vdc, 1.4A	--	Evaluated together with unit	
Scanner Motor for Model TASKalfa 3252ci, TASKalfa 2552ci	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Lift Motor	Daiken Co. or Sinfonia Microtec Co., Ltd.	302ND0940 or 302ND09400	Two provided. 24Vdc, 150mA max.	--	Evaluated together with unit	
LSU Glass Cover CL Motor	Mabuchi Motor Co., Ltd.	RK-370CA-11670	24Vdc, 130mA max.	--	Evaluated together with unit	
Polygon Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Nidec Copal Electronics Corp.	PT22ERG- L10B400-475-SD	24Vdc, 1.0A max.	--	Evaluated together with unit	
Polygon Motor for Model TASKalfa 3252ci, TASKalfa 2552ci	Minebea Co., Ltd.	MASQ6NF15RK	24Vdc, 0.6A max.	--	Evaluated together with unit	
Front Exit Motor	Oki Micro Engineering Co., Ltd.	KCL42SCF560A	Stepper type 24Vdc, 700mA	--	Evaluated together with unit	
Rear Exit Motor for Model TASKalfa 3252ci, TASKalfa 2552ci	Oki Micro Engineering Co., Ltd.	KCL42SCF560A	Stepper type 24Vdc, 700mA	--	Evaluated together with unit	



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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
IH Core Motor for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i (Optional)	Minebea Co., Ltd.	PM25S-048-MIP2	Stepper type 24Vdc, 400mA (Peak)	--	Evaluated together with unit	
Resist Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
Middle Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
Cassette 1 Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
Cassette 2 Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
Vertical Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
MPF Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
DU Feed Clutch 1	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
DU Feed Clutch 2	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
DLP Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.104A	--	Evaluated together with unit	
ID Sensor CL Solenoid	TDS Co., Ltd.	TDS-08G (TDS- 08G-553)	24Vdc, 1.15A	--	Evaluated together with unit	
Main Exit Junction Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1092)	24Vdc, 1A max.	--	Evaluated together with unit	
Inner Exit Junction Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1092)	24Vdc, 1A max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Black Container Solenoid	TDS Co., Ltd.	TDS-07A (TDS-07A-92)	24Vdc, 204mA max.	--	Evaluated together with unit	
<b>Black Container Solenoid, Alternate</b>	<b>TDS Co., Ltd.</b>	<b>TDS-07A (TDS-07A-103)</b>	<b>24Vdc, 204mA max.</b>	<b>--</b>	<b>Evaluated together with unit</b>	
Colour Container Solenoid for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 3252ci, TASKalfa 2552ci	TDS Co., Ltd.	TDS-07A (TDS-07A-92)	Three provided. 24Vdc, 204mA max.	--	Evaluated together with unit	
<b>Colour Container Solenoid, Alternate for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 3252ci, TASKalfa 2552ci</b>	<b>TDS Co., Ltd.</b>	<b>TDS-07A (TDS-07A-103)</b>	<b>Three provided. 24Vdc, 204mA max.</b>	<b>--</b>	<b>Evaluated together with unit</b>	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Other components on main unit.						
Laser Diode for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	Ushio Opto Semiconductors, Inc.	HL67130MC01	Four provided. Class 3B, Wavelength: 670nm, Output Power: 18mW	--	Evaluated together with unit	
Laser Diode for Model TASKalfa 3252ci, TASKalfa 2552ci	Ushio Opto Semiconductors, Inc.	HL67150GN	Four provided. Class 3B, Wavelength: 670nm, Output Power: 32.5mW	--	Evaluated together with unit	
Laser Diode, Alternate for Model TASKalfa 3252ci, TASKalfa 2552ci	Rohm Co., Ltd.	RLD2BPND2-00B	Four provided. Class 3B, Wavelength: 670nm, Output Power: 25mW	--	Evaluated together with unit	
Laser Diode for Model TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	Ushio Opto Semiconductors, Inc.	HL67130MC01	Class 3B, Wavelength: 670nm, Output Power: 18mW	--	Evaluated together with unit	
Scanner LED for Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci	KYOCERA Document Solutions Inc.	302ND0106 or A0926XLE+GH (X may be any alphabetical number)	24Vdc max. Classified as Exempt Group	IEC/EN62471	Evaluated together with unit	
Scanner LED for Model TASKalfa 3252ci, TASKalfa 2552ci, TASKalfa 6002i, TASKalfa 5002i, TASKalfa 4002i	KYOCERA Document Solutions Inc.	302RH0108 or A0978XLE+GH (X may be any alphabetical number)	24Vdc max. Classified as Exempt Group	IEC/EN62471	Evaluated together with unit	
Cassette Heater (Optional)	Kurabe Industrial Co., Ltd.	302RH4405	240V, 16W	--	Evaluated together with unit	
Cassette Heater (Optional) - Thermal Fuses (Optional)	Therm-O-Disc (Emerson Japan Ltd.)	G4A50128C	250V, 10A, 128°C	EN/IEC 60691	VDE	
Top Filter	Toyobo Co., Ltd. AC Div.	YPB/EFNA-60NH	V-1/HF-1, Min. 14mm thick	UL 94	UL(E132751)	
Top Filter, Alternate	Toyobo Co., Ltd. AC Div.	DPB/EFNA-60NH	V-1/HF-1, Min. 14mm thick	UL 94	UL(E132751)	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Top Filter Alternate	3M Company 3M Filtration Products	High Air Flow Electrostatic (HAF- E) Filter/ GSB-50	Min. 14mm thick	UL 900	UL(R8935)	
Rear Lower Filter (Optional)	Toyobo Co., Ltd. AC Div.	EFR-65NH	HF-1	UL 94	UL(E132751)	
Lithium Battery (BAT1) on Main PWB	Panasonic Corp.	CR2032	3 V; max. 10mA reverse charging current. Protected by a diode and a 1 kohm resistor.	UL1642	UL(MH12210)	
Lithium Battery (BAT1), Alternate on Main PWB	Interchangeable	CR2032	3 V; max. 10mA reverse charging current. Protected by a diode and a 1 kohm resistor.	UL1642	UL	
Fuse (YF1) on Main PWB for 5V line of Operation Panel	Skygate Co., Ltd.	1206FT	32Vdc, 4A	UL248-1/ UL248- 14	UL(E195833)	
Fuse (YF5) on Main PWB for 3.3V line of Operation Panel	Skygate Co., Ltd.	0603FT series	32Vdc, 0.5A	UL248-1/ UL248- 14	UL(E195833)	
Fuse (YF2) on Main PWB for Key Board & Card Reader & Right Side USB connector	Skygate Co., Ltd.	1206FT	32Vdc, 4A	UL248-1/ UL248- 14	UL(E195833)	
Hard Disk Drive (Optional)	Western Digital Technologies, Inc.	WD3200LUCT- 63RC2Y0	0.55A max.	EN/IEC 60950-1	TUV	
Hard Disk Drive (Optional), Alternate	Interchangeable	Interchangeable	0.55A max.	EN/IEC 60950-1	--	
Option Plate	Interchangeable	Interchangeable	Two provided. Steel, min. 1.0 mm thick.	-	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Front Cover, Front Upper Cover, Front Right Cover, Waste Cover, Tray Base Cover, Tray Top Cover, Top Rear Cover, Inner Cover, Right Front Cover, Right Rear Upper Cover, Right Rear Cover, Right Lower Cover, Right Side Cover, Left Cover, Left Lid Cover, Left Rear Cover, Left B Cover, Rear Upper Cover, Rear Lower Cover, Right Cover, Side Deck Cover, Main Exit Cover, Exit Cover, Inner Exit Cover, Front ISU Cover, Front ISU Contact Cover, Right ISU Contact Cover, Left ISU Contact Cover, Left ISU Sub Cover, Rear ISU Contact Cover, Left Indicator, Keyboard Cover, Left Up Cover, ISU Right Cover, ISU Rear Cover, DP Cover, DP Lid, DP B Cover, Operation Cover D	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Right Cover Lever, Card- Reader Right Lid, MPF Cover, MPF Table, MPF Lift Base, MPF F Cursor, MPF R Cursor, MPF Tray A, MPF Tray B, Cassette, Operation Cover A, Operation Cover B, Operation Cover C, Operation A Lid, Operation B Lid, Operation Keys, Paper Outer Stopper, Paper Inner Stopper, Handle Cover, Main Switch Cover, Filter Cover, Rear Lower Filter Cover, SD-Card Lid, Power Key	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Printed Wiring Board	Interchangeable	Interchangeable	Min. V-1, min. 105°C	UL796	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Job Separator, Model JS-7100 (Option)						
Inner Upper Tray, Actuator Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Outer Paper Stopper, Inner Paper Stopper	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Document Processor, Model DP-7100 (Option)						
Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Feed Motor	Nidec Corp.	24H069L020	24Vdc, 1.0A max. Brushless Motor	-	Evaluated together with unit	
Conveying Motor	Nidec Corp.	24H069L020	24Vdc, 1.0A max. Brushless Motor	-	Evaluated together with unit	
Reverse Motor	Nidec Corp.	24H069L020	24Vdc, 1.0A max. Brushless Motor	-	Evaluated together with unit	
Lift Motor	Minebea Co., Ltd.	PM35L-048-MIL4	Stepper type 24Vdc, 700mA (Peak)	-	Evaluated together with unit	
Junction Motor	Minebea Co., Ltd.	PM35L-048-MIL4	Stepper type 24Vdc, 700mA (Peak)	-	Evaluated together with unit	
Front Cover, Rear Right Cover, Rear Left Cover, DP Base, Conveying Housing, Interface Wire Cover A, Interface Wire Cover B	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN-7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
PF Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Left Cover, Rear Cover Lid, Cursor Cover, Front Cursor, Rear Cursor, Main Table, Table Cover, Size Switch Cover, PF Cover Handle, Slide Tray, Eject Stopper, Left Hinge Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	



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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Document Processor, Model DP-7110 (Option)						
Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Feed Motor	Nidec Servo Corp.	KV4239-N3B002	Stepper type 24Vdc, 0.95A	-	Evaluated together with unit	
Lift Motor	Minebea Co., Ltd.	PM35L-048-MIL4	Stepper type 24Vdc, 700mA (Peak)	-	Evaluated together with unit	
Conveying Motor	Nidec Servo Corp.	KV4239-N3B002	Stepper type 24Vdc, 0.95A	-	Evaluated together with unit	
Resist Motor	Nidec Servo Corp.	KV4239-N3B002A	Stepper type 24Vdc, 0.95A	-	Evaluated together with unit	
Eject Motor	Shinano Kenshi Co., Ltd.	STP-42H1004	Stepper type 24Vdc, 1.28A	-	Evaluated together with unit	
CIS Fan	Nidec Corp.	D04X-24TH 52 (V)	24Vdc, 0.088A max.	-	Evaluated together with unit	
Driving Fan	Nidec Corp.	D04R-24TM 19 (EX)	24Vdc, 0.08A max.	-	Evaluated together with unit	
CIS	Canon Components Inc.	HT06H-Z01 or 303P24501	3.9Vdc max. Classified as Exempt Group	IEC/EN62471	Evaluated together with unit	
CIS, Alternate	Canon Components Inc.	HT12H-Z01 or 303M44502	3.9Vdc max. Classified as Exempt Group	IEC/EN62471	Evaluated together with unit	
Front Top Cover, Front Bottom Cover, Rear Right Cover, Rear Left Cover, PF Cover, Eject Tray, Interface Wire Cover A, Interface Wire Cover B, Low Conveying Guide	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN-7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Hinge Bottom Cover, Lift Table, Lower PF Guide, Upper Guide	Teijin Limited Resin and Plastic or Maveriq Partners Inc.	TN-7900 or TN- 9500 or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E98529) UL(E358645)	
Table Base, Left Cover, Inner Cover, Rear Cover Lid, PF Cover Handle, Front Cursor, Rear Cursor, Slide Tray, Eject Stopper	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Cursor Cover, Table Cover, Bottom Right Cover, Rear Table Cover, Right Hinge Cover, Left Hinge Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Document Processor, Model DP-7120 (Option) for Model TASKalfa 3252Ci, TASKalfa 2552ci						
Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Feed Motor	Minebea Co., Ltd.	PM35L-048-MIM2	Stepper type 24Vdc, 700mA (Peak)	--	Evaluated together with unit	
Junction Motor	Nidec Servo Corp.	KV4239-N3B004	Stepper type 24Vdc, 1.1A	--	Evaluated together with unit	
Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.104A	-	Evaluated together with unit	
Resist Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.104A	-	Evaluated together with unit	
Rear A Cover, Rear B Cover, DP Base, Conveying Low Guide, Interface Wire Cover, Interface Wire Sub Cover, Interface Wire Cover B	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
Front A Cover, Front B Cover, Front Base Cover, Cover Lid, PF Cover, Left Cover, Main Table, Front Cursor, Rear Cursor	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Eject Stopper, Cursor Cover, Table Cover, Hinge Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Loop Tray	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Finisher, Model DF-7100 (Option)						
Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Staple Motor	Fuji Micro Co., Ltd.	FM-116K-7PA-CF	24Vdc, 1.09A	--	Evaluated together with unit	
Staple Motor, Alternate	Nidec Servo Co., Ltd.	DME35BF-001	24Vdc, 1.09A	--	Evaluated together with unit	
Stapler Shift Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Tray Motor	Mabuchi Motor Co., Ltd.	RK-370CA-11670	24V, 130mA max.	--	Evaluated together with unit	
Width Adjustment Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Two provided. Stepper type 24Vdc, 300mA	-	Evaluated together with unit	
Knock Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK560A	Stepper type 24Vdc, 500mA	-	Evaluated together with unit	
Eject Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Eject Release Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Middle Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Carry Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Paper Hold Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1092)	24V dc, 1.0A max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Front Cover, Front Right Cover, Rear Cover, Finisher Partition A, Finisher Partition B, Finisher Partition C, Upper Cover, Upper Cover B, Front Rail Cover, Rear Rail Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
Tray A, Tray B, Tray C	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Finisher, Model DF-7120 (Option)						
Top Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Front Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Carry Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Middle Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Staple Motor	Fuji Micro Co., Ltd.	FM-116K-7PA-CF	24Vdc, 1.09A	--	Evaluated together with unit	
Staple Motor, Alternate	Nidec Servo Co., Ltd.	DME35BF-001	24Vdc, 1.09A	--	Evaluated together with unit	
Stapler Shift Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Eject Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Eject Release Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	-	Evaluated together with unit	
Tray Motor	Mabuchi Motor Co., Ltd.	RS-385PH-16140	24V, 420mA max.	--	Evaluated together with unit	
Width Adjustment Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Two provided Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Knock Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	-	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Top Cover, Top Open Cover, Front Cover, Front Open Cover, Handle Cover, Rear Cover, Rear Cover Lid, Left Upper Cover, Finisher Partition, Rear Cover S Lid (Optional)	Teijin Limited Resin and Plastic or Maveriq Partners Inc.	TN-7900 or TN- 9500 or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E98529) UL(E358645)	
Paper Stopper Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Top Right Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Main Tray UP, Main Tray Low, Bottom Cover, Foot Covers, Leg Covers	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Finisher, Model DF-7110 (Option)						
Front Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Eject Manual Staple Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Eject Fan	Delta Electronics, Inc.	BFB0524HHA-BN20	Three provided. 24Vdc, 0.20A max.	--	Evaluated together with unit	
Carry Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Middle Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Staple Motor	Fuji Micro Co., Ltd.	FM-116K-7PA-CF	24Vdc, 1.09A	--	Evaluated together with unit	
Staple Motor, Alternate	Nidec Servo Co., Ltd.	DME35BF-001	24Vdc, 1.09A	--	Evaluated together with unit	
Stapler Shift Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Eject Motor	Minebea Motor Manufacturing Corp. or Minebea Co., Ltd.	17PM-J349-G2VS	Stepper type 24Vdc, 1.3A	--	Evaluated together with unit	
Eject Release Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Shift Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Two provided Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Shift Release Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Shelter Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	--	Evaluated together with unit	



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Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Tray Motor	Nidec Corp.	48M069G010	24V dc, 2.6A max.	--	Evaluated together with unit	
Width Adjustment Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Two provided Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Knock Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Eject Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.104A	--	Evaluated together with unit	
Sub Tray Junction Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1091)	24V dc, 400mA max.	--	Evaluated together with unit	
Drum Junction Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1091)	24V dc, 400mA max.	--	Evaluated together with unit	
BF Junction Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1091)	24V dc, 400mA max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Top Cover, Eject Tray B Cover, Top Front Lid, Top Rear Lid, Front Upper Cover, Handle Cover, Front Middle Cover, Inner Upper Cover, Inner Lower Cover, Front Left Upper Cover, Front Lower Cover, Main Exit Cover, Turn Guide, Retaining Guide, Finisher Partition, Left Lower Cover, Rear Upper Cover, Rear Lower Cover, Rear Cover Lid, Rear Cover S Lid (Optional)	Teijin Limited Resin and Plastic or Maveriq Partners Inc.	TN-7900 or TN- 9500 or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E98529) UL(E358645)	
Main Exit Cursor	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Operation Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Main Tray Up, Main Tray Low, Main Exit Slider F, Main Exit Slider R, Main Exit Cap F, Main Exit Cap R, Slider Tray B, Stapler Key	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Select Key	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Booklet Folder, Model BF-730 (Option) for Finisher Model DF-7110						
Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	Three provided 40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Adjustment Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Two provided Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Width Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Two provided Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Carry Motor	Oki Micro Engineering Co., Ltd.	KCL42SCK500C	Stepper type 24Vdc, 300mA	--	Evaluated together with unit	
Blade Motor	Nidec Corp.	48M069G010	24Vdc, 2.6A max. Brushless Motor	--	Evaluated together with unit	
Fold Motor	Nidec Corp.	48M069F052	24Vdc, 2.6A max. Brushless Motor	--	Evaluated together with unit	
Staple Motor	Fuji Micro Co., Ltd.	FM-116K-7PA-CF	24Vdc, 1.09A	--	Evaluated together with unit	
Staple Motor, Alternate	Nidec Servo Co., Ltd.	DME35BF-001	24Vdc, 1.09A	--	Evaluated together with unit	
Junction Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1091)	24V dc, 400mA max.	--	Evaluated together with unit	
Enclosure Eject Tray Base, Exit Open Cover, Left Cover, Front Saddle Cover, Rear Saddle Cover	Teijin Chemicals Ltd., Research & Development Div. or Teijin Limited Resin and Plastic or Maveriq Partners Inc.	TN-7900 or TN- 9500 or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E98529) UL(E358645)	
Stock Tray, Eject Arm Holder, Eject Holder Cover, Exit Cover Lid	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Multi Tray Unit, Model MT-730 (Option) for Finisher Model DF-7110						
Interlock Switch	Omron Corp.	D3V-16506-3C25 (10E)	40Vdc/5A, 30Vdc/10A 50,000 Cycles	EN/IEC61058-1	ENEC/VDE	
Feed Motor	Mitsumi Electronic Co., Ltd.	M49SP-2K	Stepper type 24Vdc, 0.8A (Peak)	--	Evaluated together with unit	
Side Covers (Front and Rear), Top Cover, Vertical Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3000 or TN- 7280EF	5VB, Min. 2.0mm thick	UL94	UL(E41613) UL(E98529)	
Rear Cover Lid, Front Cover Lid	Teijin Chemicals Ltd., Research & Development Div. or Teijin Limited Resin and Plastic or Maveriq Partners Inc.	TN-7900 or TN- 9500 or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E98529) UL(E358645)	
Eject Bins, Vertical Cover Lever	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Punch Unit, Model PH-7X (X: A, B, C or D) (Option) for Finisher Model DF-7110 and DF-7120						
Punch Motor	Nisca Corp.	NA4056O01C	24Vdc, 7.8A max.	--	Evaluated together with unit	
Punch Motor, Alternate	Shenzhen Weizhen Motor Co., Ltd.	WRS-555PH-3049	24Vdc, 5.5A max.	--	Evaluated together with unit	
Punch Shift Motor	Oki Micro Engineering Co., Ltd.	KFL42LCB661A	Stepper type 24Vdc, 650mA	--	Evaluated together with unit	
Punch Solenoid	TDS Co., Ltd.	TDS-KN12SB (TDS-KN12SB- 347)	24Vdc, 1.2A max.	--	Evaluated together with unit	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Hole Punch Kit, Model PH-7100, PH-7110, PH-7120 and PH-7130 (Option) for Finisher Model DF-7100						
Punch Motor	Shenzhen Weizhen Motor Co., Ltd.	WRS-545PH-3165	24Vdc, 3.0A max.	--	Evaluated together with unit	
Punch Solenoid	TDS Co., Ltd.	TDS-KN10SL (TDS-KN10SL-31RA)	24Vdc, 1.3A max.	--	Evaluated together with unit	
Waste Tank Solenoid	TDS Co., Ltd.	TDS-08A (TDS-08A-1092)	24Vdc, 1A max.	--	Evaluated together with unit	
Front Cover, Top Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN-7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
Punch Tank	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Attachment Kit, Model AK-7100 (Option) for Finisher Model DF-7110 and DF-7120						
Bridge Motor	Oki Micro Engineering Co., Ltd.	KCL42SCF560A	Stepper type 24Vdc, 700mA	--	Evaluated together with unit	
Enclosure Upper Tray Cover, Front Lower Cover, Left Side Cover, Left Cover, Right Cover, Rear Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN-7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Paper Feeder, Model PF-7100 (Option)						
Feed Motor	Nidec Corp.	42M069F251	24Vdc, 1.1A max. Brushless Motor	--	Evaluated together with unit	
Lift Motor	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	302ND0940 or 302ND09400	Two provided 24Vdc, 150mA max.	--	Evaluated together with unit	
Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	Two provided 24Vdc, 0.075A	--	Evaluated together with unit	
Conveying Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	Two provided 24Vdc, 0.075A	--	Evaluated together with unit	
Cassette Heater (Optional)	Kurabe Industrial Co., Ltd.	302RH4405	240V, 16W	--	Evaluated together with unit	
Cassette Heater (Optional) - Thermal Fuses (Optional)	Therm-O-Disc (Emerson Japan Ltd.)	G4A50128C	250V, 10A, 128°C	EN/IEC 60691	VDE	
Left Cover, Rear Cover, Right Rear Cover, Right Feed Cover, Interface Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN-7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
Rear Cover Lid	Teijin Limited Resin and Plastic	TN-7500 or TN-7280EF	5VB, Min. 2.0 mm thick	UL94	UL(E98529)	
Upper Front Cover, Lower Front Cover, Front Right Cover, Primary Feed Release Cover, Right Front Cover, Handle Hook Cover, Cassette	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Paper Feeder, Model PF-7110 (Option)						
Feed Motor	Nidec Corp.	42M069F251	24Vdc, 1.1A max. Brushless Motor	--	Evaluated together with unit	
Lift Motor	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	303NF4401	Two provided 24Vdc, 550mA max.	--	Evaluated together with unit	
Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	Two provided 24Vdc, 0.075A	--	Evaluated together with unit	
Conveying Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	Two provided 24Vdc, 0.075A	--	Evaluated together with unit	
Vertical Conveying Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.075A	--	Evaluated together with unit	
Cassette Heater (Optional)	Kurabe Industrial Co., Ltd.	302RH4405	240V, 16W	--	Evaluated together with unit	
Cassette Heater (Optional) - Thermal Fuses (Optional)	Therm-O-Disc (Emerson Japan Ltd.)	G4A50128C	250V, 10A, 128°C	EN/IEC 60691	VDE	
Left Cover, Rear Cover, Right Rear Cover, Right Feed Cover, Interface Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN-7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
Rear Cover Lid	Teijin Limited Resin and Plastic	TN-7500 or TN-7280EF	5VB, Min. 2.0 mm thick	UL94	UL(E98529)	
Right Deck Cover, Left Deck Cover, Right Deck Handle Cover, Left Deck Handle Cover, Front Right Cover, Right Front Cover, Handle Hook Cover	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Paper Feeder, Model PF-7120 (Option)						
Conveying Motor	Minebea Co., Ltd.	DIA42B20W22A	24Vdc, 1Arms max.	--	Evaluated together with unit	
Lift Motor	Nisca Corp.	NA4056A11C	24Vdc, 2A max.	--	Evaluated together with unit	
Feed Clutch	Daiken Co., Ltd. or Sinfonia Microtec Co., Ltd.	MCA-50T	24Vdc, 0.104A	--	Evaluated together with unit	
Feed Solenoid	TDS Co., Ltd.	TDS-08A (TDS- 08A-1092)	24Vdc, 1A max.	--	Evaluated together with unit	
Appliance Inlet	Rong Feng Industrial Co., Ltd.	SS-120 Series	250Vac, 10A	EN60320-1 IEC60320-1	VDE	
AC Outlet (Optional)	Rong Feng Industrial Co., Ltd.	SS-130 Series	250Vac, 10A	EN60320-1/-2-2 IEC60320-1	TUV	
Power Supply Cord (Optional)	Hirakawa Hewtech Corp.	Plug: VM0301 Cord: SVT H05VV- F Connector: VM0303B	250V, 10A 1.0 mm <sup>2</sup> (17 AWG) x 3 250V, 10A	EN/IEC60799 HD21.5 S3 EN/IEC60320-1/-2- 2	SEMKO	
Power Supply Cord (Optional), Alternate	Interchangeable	Plug: Interchangeable Cord: Interchangeable Connector: Interchangeable	250V, 10A  1.0 mm <sup>2</sup> (17 AWG) x 3 250V, 10A	IEC/EN 60799 or IEC/EN 60884 IEC/EN 60227 IEC/EN 60320	--	
Cassette Heater (Optional)	Kurabe Industrial Co., Ltd.	302RH4405	240V, 16W	-	Evaluated together with unit	
Cassette Heater (Optional) - Thermal Fuses (Optional)	Therm-O-Disc (Emerson Japan Ltd.)	G4A50128C	250V, 10A, 128°C	EN/IEC 60691	VDE	
Interconnecting Cable	Interchangeable	Interchangeable	Style 21119, AWG 26 x 10 + AWG 20 x 2, max. 3.05m long, VW-1; Style 3385, AWG 20 x 1 earthed wire	UL758	UL	



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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Top Cover, Front Cover, Front Low Cover, Right Cover, Right Low Cover, Rear Cover, Rear Low Cover	Bayer MaterialScience or Covestro Deutschland AG or Teijin Limited Resin and Plastic	FR3006 HF or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E41613) UL(E98529)	
Wire Cover	Teijin Limited Resin and Plastic	TN-7900 or TN- 7280EF	5VB, Min. 1.8 mm thick	UL94	UL(E98529)	
Left Cover	Interchangeable	Interchangeable	Steel, Min. 1.2 mm thick	--	--	
Cover Handle, Switch Lever	Interchangeable	Interchangeable	Min. HB75	UL94	UL	
Switch Guide	Interchangeable	Interchangeable	Min. HB75	UL94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Fax Kit, Model FAX System 12 (Option)						
NCU Board	--	--	Comprised of the following components:	--	--	
Surge Absorbers (SA10, SA11)	Okaya Electric Industries Co., Ltd.	RA-102M-C6	1kV	UL1449	UL(E322107)	
Surge Absorbers (SA10, SA11), Alternate	Okaya Electric Industries Co., Ltd.	RA-501M-C6	500V	UL1449	UL(E322107)	
Surge Absorber (SA12)	Littelfuse/Teccor	SIDACtor type, P3100SCLRP	Switching Voltage 350V	UL497B	UL(E133083)	
Optical Isolator (PC10)	Cosmo Electronics Corporation	K3010	Ext. cr.: ≥ 5 mm, Int. cr. ≥ 4 mm, Isolation voltage: min. AC 5000V	IEC/EN 60950-1	FIMKO	
Optical Isolator (PC10), Alternate	Toshiba Corp., Semiconductor Co. Discrete Semiconductor Div.	TLP620, TLP627, TLP621	Ext. cr.: > 8 mm, Int. cr. = thermal cycling tested (2.10.11), Isolation voltage: min. AC 5000V	IEC/EN 60950-1	BSI	
Optical Isolator (PC10), Alternate	Toshiba Corp., Semiconductor Co. Discrete Semiconductor Div.	TLP320 or TLP629	Ext. cr.: > 6.4 mm, Int. cr. = thermal cycling tested (2.10.11), Isolation voltage: min. AC 5000V	IEC/EN 60950-1	BSI	
Optical Isolator (PC10), Alternate	Lite-On Technology Corp.	LTV-814H	Ext. cr.: ≥ 7 mm, Int. cr. ≥ 1.5 mm, Isolation voltage: min. AC 5300V	IEC/EN 60950-1	VDE	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Optical Isolator (PC11)	Toshiba Corp., Semiconductor Co. Discrete Semiconductor Div.	TLP620, TLP627, TLP621	Ext. cr.: > 8 mm, Int. cr. = thermal cycling tested (2.10.11), Isolation voltage: min. AC 5000V	IEC/EN 60950-1	BSI	
Optical Isolator (PC11), Alternate	Toshiba Corp., Semiconductor Co. Discrete Semiconductor Div.	TLP320 or TLP629	Ext. cr.: > 6.4 mm, Int. cr. = thermal cycling tested (2.10.11), Isolation voltage: min. AC 5000V	IEC/EN 60950-1	BSI	
Optical Isolator (PC11), Alternate	Lite-On Technology Corp.	LTV-814H	Ext. cr.: ≥ 7 mm, Int. cr. ≥ 1.5 mm, Isolation voltage: min. AC 5300V	IEC/EN 60950-1	VDE	
Capacitors (C12, C13)	Murata Mfg. Co., Ltd.	KY	250V, 220pF- 680pF, Y2 type	IEC/EN60384-14	SEMKO	
Relay (RLY10)	Fujitsu Components	FTR-C2	Contact: 30Vdc, 1.0A Coil: 5Vdc	IEC/EN60950-1	BSI	
Relay (RLY12)	Tyco Electronics	OUAZ	Contact: 24Vdc, 1.0A Coil: 5Vdc	IEC/EN61810-1	TUV	
Relay (RLY12), Alternate	Xiamen Hongfa Electroacoustic Co., Ltd.	HFD41 or HFD41A	Contact: 30Vdc, 1.0A Coil: 5Vdc	UL508	UL(E133481)	

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Clause	Requirement + Test	Result – Remark	Verdict

1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Fuse (F11)	Littelfuse Inc.	461 Series	1.25A, 600V	UL248-1/UL248-14	UL(E10480)	
Fuse (F11), Alternate	Skygate Co., Ltd.	20N	1.25A, 125V	UL248-1/UL248-14	UL(E195833)	
Modular Jacks (JK10, JK11)	JST Mfg. Co., Ltd.	MJ-62J-RD	Type RJ-11	UL1863	UL(E174260)	
Modular Jacks (JK10, JK11), Alternate	Wenzhou Yihua Connector Co., Ltd.	JK002	Type RJ-11	UL1863	UL(E166108)	
Connector (CN10)	Iriso Electronics Co., Ltd	IMSA-9210 Series	250V, 3A	UL1977	UL(E115889)	
PWB	Interchangeable	Interchangeable	Min. V-1, Min. 105°C	UL796	UL	
FCB Board	--	--	Comprised of the following components:	--	--	
Capacitors (C206, C207)	Murata Mfg. Co., Ltd.	GF	250V, 33pF, Y2 type	EN/IEC60384-14	SEMKO	
Capacitors (C206, C207), Alternate	Murata Mfg. Co., Ltd.	KY	250V, 33pF, Y2 type	IEC/EN60384-14	SEMKO	
Capacitor (C205) (Optional)	Murata Mfg. Co., Ltd.	GF	250V, 10pF- 220pF, Y2 type	EN/IEC60384-14	SEMKO	
Capacitor (C205) (Optional), Alternate	Murata Mfg. Co., Ltd.	KY	250V, 10pF- 220pF, Y2 type	IEC/EN60384-14	SEMKO	
PWB	Interchangeable	Interchangeable	Min. V-1, Min. 105°C	UL796	UL	
Printer NIC (Option)						
PWB	Interchangeable	Interchangeable	94V-1 or better	UL 94	UL	

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1.5.1	TABLE: List of critical components					P
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity	
Printing System 15 (Option) for colour MFP Model TASKalfa 6052ci, TASKalfa 5052ci, TASKalfa 4052ci, TASKalfa 3252ci, TASKalfa 2552ci						
Printer Controller	Electronics for Imaging, Inc.	Fiery E100-01 or Fiery EXXXXXX or Fiery E2XX-XX or Fiery E3XX-XX (X = 0-9, A-Z, “-“, blank)	AC 100-240V, 50/60Hz, 3.0A or 3.0-1.3A Class I	EN/IEC60950-1	TUV/CB(US-TUVR-8918) TUV/GS(S 72151120)	
Power Supply Cord	Ching Cheng Wire Material Co., Ltd.	Plug: EL-211 Cord: H05VV-F Connector: EL-701 or EL-702	250V, 16A 1.0 mm <sup>2</sup> x 3 250V, 10A	DIN VDE 0620-1 DIN VDE 0281-5 HD21.5 S3 EN/IEC60320-1	VDE	
Power Supply Cord for 220 - 240V, Alternate	Interchangeable	Plug: Interchangeable Cord: Interchangeable Connector: Interchangeable	250V, 16A 1.0 mm <sup>2</sup> x 3  250V, 10A	IEC/EN 60799 or IEC/EN 60884 IEC/EN 60227  IEC/EN 60320	--	
DVI Cable	Interchangeable	Interchangeable	Style 20276, PVC Jacket, max. 6.10 m long, VW-1	UL758	UL	
LAN Cable	Interchangeable	Interchangeable	Style 2835, PVC Jacket, max. 10.3 m long, FT2	UL758	UL	
Supplementary information:						
--						

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1.5.1	TABLE: Opto Electronic Devices	P
Manufacturer.....: --		
Type .....: --		
Separately tested.....: --		
Bridging insulation .....: --		
External creepage distance .....: --		
Internal creepage distance .....: --		
Distance through insulation .....: --		
Tested under the following conditions .....: --		
Input.....: --		
Output .....: --		
supplementary information		
See appended table 1.5.1 for details		

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<b>5.3</b>	<b>TABLE: Fault condition tests</b>					<b>P</b>
	Ambient temperature (°C) .....				see observation	—
	Power source for EUT: Manufacturer, model/type, output rating .....				--	—
Component No.	Fault	Supply voltage (V)	Test time	Fuse #	Fuse current (A)	Observation
Black Container Solenoid, Alternate, Colour Container Solenoid, Alternate <b>TDS-07A-103</b>	Plunger locked and CE	24Vdc	3h	--	--	Temp.: 92°C, Temperature was stabilized. Ambient temp.: 24°C No hazard.
Supplementary information:						
CE = Continuously Energized.						

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**List of test equipment used:****Tests are conducted on CTF Stage 1 location**

Management No.	Test Instrument Name	Type	Mechanical No.	Manufacturing	Calibration Date - Last	Calibration Date - Due
G14-C099	Digital Multi Meter	(Fluke) 189	89410662	FLUKE	2015-07-28	2016-07-27
G14-C101	Temperature Recorder	437124	S5F703898	Yokogawa	2015-07-29	2016-07-28
G14-C118	Stop Watch	SVAE101	756428	SEIKO S-YARD	2015-10-08	2016-10-07