

Certificado de Conformidade

Certificate of Conformity

Certificado/Certificate

UL-BR 24.0411

Revisão / Review

00

Emissão / Issue

3 de abril de 2024
April 3, 2024

Validade / Expiration

2 de abril de 2027
April 2, 2027



Reconhecer que o Solicitante / *Acknowledge that the Certificate Holder*

DATEN TECNOLOGIA LTDA

avaliou o produto / *has had*

MONITORES / MONITOR

ao qual atende aos requisitos do Programa de Certificação ou Portaria / *evaluated and meets the requirements of the Certification Program or Decree*

Portaria 304:2023 / Decree 304:2023

e pode ostentar o Selo de Identificação da Conformidade do Sistema Brasileiro de Avaliação da Conformidade (SBAC) sobre o(s) produto(s) relacionado(s) neste certificado.

and can display the Conformity Identification Seal of the Brazilian Conformity Assessment System (SBAC) on the product(s) listed in this certificate.

Rafael O. Parada
Program Owner

UL do Brasil Certificações, organismo acreditado pela Coordenação Geral de Acreditação do INMETRO – CGCRE, segundo o registro N° OCP-0029. / *UL do Brasil Certificações, Certification Body accredited by Coordenação Geral de Acreditação do INMETRO - CGCRE according to the register Nr OCP-0029.*

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Emissão / Issue
22 de março de 2024
March 22, 2024

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21 de março de 2027
March 21, 2027

Solicitante / Certificate Holder (1444320) DATEN TECNOLOGIA LTDA
Avenida Domingos Ferreira, 4023 – Grupo 803/804 – Centro Empresarial
Boa Viagem - Recife – PE – Brasil
CNPJ: 04.602.789/0004-54

Fabricante / Manufacturer (1112218) DATEN TECNOLOGIA LTDA
Rod Ilheus Urucuca km 3,5 s/n galpão
Distrito Industrial de Ilhéus, 45658-335, Brasil
CNPJ: 04.602.789/0001-01

Modelo de Certificação / Certification Model 5

Norma(s) Aplicável(is) / Applicable standards IEC 60950-1: 2005 + A1:2009, CISPR 22: 2008 (modified), - IEC 62368-1:2018, CISPR 24: 2010, IEC 61000-3-2: 2005+A1:2008 +A2:2009, IEC 61000-3-3: 2008, IEC 61000-4-2: 2008, IEC 61000-4-3:2006+A1: 2007+A2: 2010, IEC 61000-4-4: 2004 +A1:2010, IEC 61000-4-5: 2005, IEC 61000-4-6: 2008, IEC 61000-4-8: 2009, IEC 61000-4-11: 2004 e Anexo D da Portaria no. 304/2023

Identificação UL / UL Identification BR3590, Vol 3, Sec 6

Lote ou No. de Série / Lot or Serial Number N/A

Identificação da Família/Modelo/Lote de Produto(s) Certificado(s):
Identification of the Family/Model/Lot of Certified Product(s):

Marca / Brand Name	Modelo / Model	Descrição / Description	Código de Barras / Bar Code Number
DATEN TECNOLOGIA	DM215, DM215**, DM238, DM238**, DM270, DM270**	(“**” PODE SER A-Z ou Vazio)	N/A

Informações de Ensaios / Test Information:

Laboratório de Ensaio / Testing Laboratory	Relatório de Ensaio / Test Report	Data de Emissão / Issue Date
Shenzhen UnionTrust Quality and Technology Co.,Ltd (UTT)	2312048308CB-1	2024-01-05
Shenzhen UnionTrust Quality and Technology Co.,Ltd (UTT)	2312048306CB-1	2024-01-05
UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch	2312048308CB-1	2024-01-10
Shenzhen UnionTrust Quality and Technology Co.,Ltd (UTT)	2312148538CB-1	2024-01-17
Shenzhen UnionTrust Quality and Technology Co.,Ltd (UTT)	2312148539CB-1	2024-01-17
UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch	4791123122.3-1	2024-01-10
Shenzhen UnionTrust Quality and Technology Co.,Ltd (UTT)	2312208595CB-1	2024-01-17
Shenzhen UnionTrust Quality and Technology Co.,Ltd (UTT)	2312208596CB-1	2024-01-17



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UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch	4791143009.2-1	2024-01-29
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Informações de Auditoria / Audit Information:

Local da Auditoria / Audit Location	Data de Realização / Perform Date
Tratamento de Reclamações Complaint Handling	2023-10-04
Fabricante Manufacturer	2023-08-22

Informações Adicionais / Additional Information:

CARACTERÍSTICAS NOMINAIS / RATINGS:
100-240V AC, 50-60 Hz, 1,1 A

Observações / Observations:

- A validade deste Certificado de Conformidade está atrelada à realização das avaliações de manutenção e tratamento de possíveis não conformidades de acordo com as orientações da UL do Brasil Certificações previstas no RAC específico. Para verificação da condição atualizada de regularidade deste Certificado de Conformidade deve ser consultado o banco de dados de produtos e serviços certificados do Inmetro.
The validity of this Certificate of Conformity is linked to the performance of maintenance assessments and treatment of possible non-conformities in accordance with the guidelines of UL do Brasil Certifications provided for in the specific Conformity Assessment Regulation. To check the updated condition of regularity of this Certificate of Conformity, the Inmetro database of certified products and services must be consulted.
- Este certificado aplica-se aos equipamentos (produtos) idênticos ao protótipo avaliado e certificado, manufaturados na(s) unidade(s) fabril(is) mencionada (s) acima.
This certificate applies to the products that are identical to the prototype investigated, certified and manufactured at the production site mentioned in this certificate.
- Qualquer alteração no produto, incluindo a marcação, invalidará o presente certificado, salvo se o solicitante informar por escrito à UL do Brasil Certificações sobre esta modificação, a qual procederá à avaliação e decidirá quanto à continuidade da validade do certificado.
Any non-authorized changes performed in the product, including marking, will invalidate this certificate. UL do Brasil Certifications must be notified about any desired change. This notification will be analyzed by UL do Brasil Certifications that will decide about certificate force.
- Esta autorização está vinculada a um contrato e para o escopo acima citado.
This license is related to a commercial proposal and to the scope above cited.

Histórico de Revisões / Revisions History:

Revisão / Review	Data / Date	Descrição da Revisão / Revision Description
00	22/03/2024	Emissão Inicial / Initial issue
A última revisão substitui e cancela as anteriores / <i>The last review replaces and cancels the previous ones</i>		

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Anexo I / Attachment I:

LISTA DE COMPONENTES CRÍTICOS / LIST OF CRITICAL COMPONENTS:

Modelo DM215

Componente	Fabricante	Modelo	Dados Técnicos	Norma
Plastic enclosure	DongGuan BaoHua Plastic Raw Material Co ltd	BH-9379	ABS, V-0, 60°C, Min. 1.6mm thickness	UL 94
LCD panel	BOE	MF215FHB-N00	21.45 inch LCD panel with LED backlight	IEC/EN 60950-1
Mylar sheet	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR3A(d), DFR3713A(d), DFR3715A(d), DFR3716A(d), DFR3732A(d), DFR3735A(d), DFR3738A(d), DFR3613A(d), DFR3615A(d), DFR3616A(d), DFR3632A(d), DFR3635A(d), DFR3638A(d)	V-0, Min. 110°C, Min. 0.4mm thickness	UL 94
Earth wire	Interchangeable	Interchangeable	VW-1, Min. 300V, Min. 80°C, Min. 16AWG	UL 758
Secondary wire	Interchangeable	Interchangeable	VW-1, Min. 60V, Min. 80°C, Min. 26AWG	UL 758
Appliance inlet (CN1)	Yueqing Lihe Electronics Co.,Ltd.	LH-6	250Vac, 2.5A, 70°C, C6 type	IEC/EN 60320-1 UL 60320-1
(Alternative)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	ST-A04-001, ST-A04-002	250Vac, 2.5 A, 70°C, C6 type	IEC/EN 60320-1 UL 60320-1
PCB	FUJIAN LIHAO ELECTRONIC TECHNOLOGY CO LTD	L-40F	V-0, 130°C	UL 94, UL 796

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(Alternative)	KINGBOARD LAMINATES HOLDINGS LTD	KB-5152	V-0, 130°C	UL 94, UL 796
(Alternative)	SHANDONG JINBAO ELECTRONICS CO LTD	ZD-68(G)F1, ZD-95(G)F	V-0, 130°C	UL 94, UL 796
(Alternative)	Interchangeable	Interchangeable	Min. V-1, Min. 130°C	UL 94
Fuse (F1)	Dongguan Anlu Electronics Technology Co. Ltd.	AMT	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Shenzhen Lanson Electronics Co. Ltd.	SMT	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Dongguan LUOYI Electronics Technology Co., Ltd.	SAT	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
X-capacitor (CX2)	DongGuan Chengdong Electronic Technology Co., Ltd.	MPX	Max.0.33μF, Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shen Zhen Shi Zhc Technology Co. Ltd.	MPX/MKP	Max.0.33μF, Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	CARLI ELECTRONICS CO LTD	MPX	Max.0.33μF, Min. 250Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	Tenta Electric Industrial Co. Ltd.	MEX	Max.0.33μF, Min. 250Vac, Min. 100°C, Class X2	IEC/EN 60384-14 UL 60384-14
Bridging Capacitor (CY1, CY2, CY3)	JYA-NAY CO., LTD.	JN	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shen Zhen Shi Zhc Technology Co. Ltd.	VDE: CD-Series UL: CD	Max.1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shenzhen Haotian Electronic Co., Ltd.	HT	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14

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(Alternative)	Dongguan Cigu Electronic Technology Co., Ltd	VDE: CD-Series UL: CD	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shantou High-New Technology Dev.Zone Songtian Enterprise Co., Ltd.	VDE: CD-Series UL: CD	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	DongGuan City Jiankun Electronics Technology Co. Ltd	VDE: JT series UL: JT	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
Optical isolator (U2)	Shenzhen Orient Components Co. Ltd.	ORPC817x	Ext Cr & Cl 7.6mm DTI 0.4mm, 110°C Double protection optical isolator, providing 5000 V ac isolation	IEC/EN 60747-5-5 UL 1577
(Alternative)	Sharp Corporation	PC817	Ext Cr & Cl 6.4mm DTI 0.4mm, 110°C PC817 Double protection optical isolated switches, providing 5000 Vac isolation	IEC/EN 60747-5-5 UL 1577
(Alternative)	Lite-On Technology Corporation	LTV-817	Ext Cr & Cl 7.0mm DTI 0.4mm, 115°C Double protection optical isolators having an isolation voltage of 5300 Vrms	IEC/EN 60747-5-5 UL 1577
(Alternative)	Bright Led Electronics Corp.	BPC-817C	Ext Cr & Cl 7.6mm DTI 0.4mm, 110°C Double protection optical isolators 5000 Vac isolation voltage	IEC/EN 60747-5-5 UL 1577
(Alternative)	Everlight Electronics Co., Ltd.	EL817	Ext Cr & Cl 7.6mm DTI 0.4mm, 110°C Double protection optical isolators, providing 5000 vac isolation	IEC/EN 60747-5-5 UL 1577

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Choke (LF1)	Shenzhen Yuan Chuangfu Electronics Co., LTD	UU9.8	Min 15mH, Min.130°C	IEC/EN 60950-1
-Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	PMC, 150°C, V-0, min. thickness 0.45mm	UL 94, UL 746C
-Magnet wire	DONG GUAN YIDA INDUSTRIAL CO LTD	2UEW	130°C	ANSI/UL 1446
(Alternative)	Interchangeable	Interchangeable	Min. 130°C	ANSI/UL 1446
Bridge Rectifier (DB2)	Interchangeable	Interchangeable	Min. 2A, Min. 1000V	IEC/EN 60950-1
Electrolytic capacitors (EC1)	Interchangeable	Interchangeable	Max. 33µF, Min. 400V, Min. 105°C	IEC/EN 60950-1
Mosfet (01)	Interchangeable	Interchangeable	Min.4A, Min. 650V	IEC/EN 60950-1
Bleeder resistor (R1, R2, R1A, R2A)	Interchangeable	Interchangeable	Each max. 1Mohm, 1/4W	IEC/EN 60950-1
Power limited resistors (R6, R7, RS, R23)	Interchangeable	Interchangeable	Each min. 1.Sohm, 1/4W	IEC/EN 60950-1
Glue	SHENZHEN TOSHIN SILICONE MATERIAL CO LTD	TS-45N	V-0, 105°C	UL 94
(Alternative)	Interchangeable	Interchangeable	Min. V-2, Min. 105°C	UL 94
Transformer (T1)	Shenzhen Zhong He Xin Electronics Co., Ltd	EI2514-1.5MH	Class B	IEC/EN 60950-1
-Bobbin	CHANGCHUN PLASTICS CO LTD	T375J	PMC, 150°C, V-0, min. thickness 0.71mm	UL 94, UL 746C
-Magnet wire	DONG GUAN YIDA INDUSTRIAL CO LTD	QA-1/155	155°C	ANSI/UL 1446
(Alternative)	Interchangeable	Interchangeable	Min. 130°C	ANSI/UL 1446

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-Triple insulation wire	Suzhou Yusheng Electronic Co., Ltd.	TIW-B	Reinforced, 130°C	IEC/EN 62368-1 ANSI/UL 2353
-Insulating tape	JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A (b)	130°C	CAN/UL 510A
-Insulating Tubing/ Sleeving	SHENZHEN WOER HEAT- SHRINKABLE MATERIAL CO LTD	WF	600V, 200°C	UL 224
-Varnish	YUEYANG GREEN TECHNOLOGY CO LTD	JX-1150(a)	130°C	UL 1446
Power plug	AAG Representative ME	YG-318	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR14136:2012
(Alternative)	AAG Representative ME	GXD-017	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR 14136:2012
(Alternative)	Interchangeable	Interchangeable	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR 14136:2012
Power cord	LIAN YI XIANG ELECTRONICS CO LTD	H03W-F H05W-F	3 x 0.75 mm ² 3 x 0.75/1.0 mm ²	EN 50525-2-11: 2011
(Alternative)	Shenzhen G- CINDA Power Solution Co., Ltd	H03W-F H05W-F	3 x 0.75 mm ² 3 x 0.75 mm ²	EN 50525-2-11: 2011
(Alternative)	Interchangeable	Interchangeable	3 x 0.75 mm ²	EN 50525-2-11: 2011
Power connector	LIAN YI XIANG ELECTRONICS CO LTD	LYX-W13	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1
(Alternative)	Shenzhen G- CINDA Power Solution Co., Ltd	GXD-014	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1
(Alternative)	Interchangeable	Interchangeable	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1

Modelo DM238

Componente	Fabricante	Modelo	Dados Técnicos	Norma
Plastic enclosure	DongGuan BaoHua Plastic Raw Material Co ltd	BH-9379	ABS, V-0, 60°C, Min. 1.6mm thickness	UL 94

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Mylar sheet	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR3A(d), DFR3713A(d), DFR3715A(d), DFR3716A(d), DFR3732A(d), DFR3735A(d), DFR3738A(d), DFR3613A(d), DFR3615A(d), DFR3616A(d), DFR3632A(d), DFR3635A(d), DFR3638A(d)	V-0, Min. 110°C, Min. 0.4mm thickness	UL 94
LCD panel	AUO	M238HAN03.1	23.8 inch LCD panel with LED backlight	
Earth wire	Interchangeable	Interchangeable	VW-1, Min. 300V, Min. 80°C, Min. 16AWG	UL 758
Secondary wire	Interchangeable	Interchangeable	VW-1, Min. 60V, Min. 80°C, Min. 26AWG	UL 758
Appliance inlet (CN1)	Yueqing Lihe Electronics Co.,Ltd.	LH-6	250Vac, 2.5A, 70°C, C6 type	IEC/EN 60320-1 UL 60320-1
PCB	FUJIAN LIHAO ELECTRONIC TECHNOLOGY CO LTD	L-40F	V-0, 130°C	UL 94, UL 796
(Alternative)	KINGBOARD LAMINATES HOLDINGS LTD	KB-5152	V-0, 130°C	UL 94, UL 796
(Alternative)	SHANDONG JINBAO ELECTRONICS CO LTD	ZD-68(G)F1, ZD-95(G)F	V-0, 130°C	UL 94, UL 796
(Alternative)	Interchangeable	Interchangeable	Min. V-1, Min. 130°C	UL 94
Fuse (F1)	Dongguan Anlu Electronics Technology Co. Ltd.	AMT	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Shenzhen Lanson Electronics Co. Ltd.	SMT	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1

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				UL 248-14
(Alternative)	Dongguan LUOYI Electronics Technology Co., Ltd.	SAT	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Dongguan Better Electronics Technology Co., Ltd.	932	T2AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
X-capacitor (CX2)	DongGuan Chengdong Electronic Technology Co., Ltd.	MPX	Max.0.22µF Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shen Zhen Shi Zhc Technology Co. Ltd.	MPX/MKP	Max.0.22µF Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	CARLI	MPX	Max.0.22µF	IEC/EN 60384-
	ELECTRONICS CO LTD		Min. 250Vac, 110°C, Class X2	14 UL 60384-14
(Alternative)	Tenta Electric Industrial Co. Ltd.	MEX	Max.0.22µF Min. 250Vac, Min. 100°C, Class X2	IEC/EN 60384-14 UL 60384-14
Bridging Capacitor (CY1, CY2, CY3)	JYA-NAY CO., LTD.	JN	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shen Zhen Shi Zhc Technology Co. Ltd.	VDE: CD-Series UL: CD	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shenzhen Haotian Electronic Co., Ltd.	HT	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Dongguan Cigu Electronic Technology Co., Ltd	VDE: CD-Series UL: CD	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14

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(Alternative)	Shantou High- New Technology Dev.Zone Songtian Enterprise Co., Ltd.	VDE: CD-Series UL: CD	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384- 14 UL 60384-14
(Alternative)	DongGuan City Jiankun Electronics Technology Co. Ltd	VDE: JT series UL: JT	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384- 14 UL 60384-14
Optical isolator (U3)	Shenzhen Orient Components Co. Ltd.	ORPC817x	Ext Cr & Cl 7.6mm DTI 0.4mm, 110°C Double protection optical isolator, providing 5000 V ac isolation	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Sharp Corporation	PC817	Ext Cr & Cl 6.4mm DTI 0.4mm, 110°C PC817 Double protection optical isolated switches, providing 5000 Vac isolation	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Lite-On Technology Corporation	LTV-817	Ext Cr & Cl;: 7.0mm DTI<:0.4mm, 115°C Double protection optical isolators having an isolation voltage of 5300 Vrms	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Bright Led Electronics Corp.	BPC-817C	Ext Cr & Cl;: 7.6mm DTI<:0.4mm, 110°C Double protection optical isolators 5000 Vac isolation voltage	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Everlight Electronics Co., Ltd.	EL817	Ext Cr & Cl;: 7.6mm DTI<:0.4mm,	IEC/EN 60747- 5-5 UL 1577

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			110°C Double protection optical isolators, providing 5000 vac isolation	
Varistor (RV1)	Shantou High- New Technology Dev.Zone Songtian Enterprise Co., Ltd.	100561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Cerglass MFG Inc	100561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	100561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10D561	Min. 350Vac, 105°C, coating Min. V-1 (tested for6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	DongGuan City Jiankun Electronics Technology Co. Ltd	10D561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Huizhou Songlongxindian Electronics Technology Co. Ltd.	10D561K	Min. 350Vac, 85°C, coating Min. V-1 (tested for 6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
Thermistor (NTC1)	Interchangeable	Interchangeable	50, 3A	IEC/EN 60539-1 IEC/EN 60730-1
Choke (LF2)	Shenzhen Yuan Chuangfu Electronics Co., LTD	UU9.8-15mH	Min 15mH, Min.130°C	IEC/EN 60950-1
-Bobbin	CHANGCHUN PLASTICS CO LTD	T375J	PMC, 150°C, V-0, min. thickness 0.45mm	UL 94, UL 746C

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-Magnet wire	DONG GUAN YIDA INDUSTRIAL CO LTD	2UEW	130°C	ANSI/UL 1446
(Alternative)	Interchangeable	Interchangeable	Min. 130°C	ANSI/UL 1446
Bridge Rectifier (DB1)	Interchangeable	Interchangeable	Min. 2A, Min. 1000V	IEC/EN 62368-1
Electrolytic capacitors (C102)	Interchangeable	Interchangeable	Max. 68µF, Min. 400V, Min. 105°C	IEC/EN62368-1
Mosfet (01)	Interchangeable	Interchangeable	Min.4A, Min. 650V	IEC/EN 60950-1
Bleeder resistor (R3, R4, R5, R6)	Interchangeable	Interchangeable	Each max. 2 Mohm, 1/4W	IEC/EN 60950-1
Power limited resistors (R7A, R7, RS, R9, R10)	Interchangeable	Interchangeable	Each min. 1.Sohm, 1/4W	IEC/EN 62368-1
Glue	Interchangeable	Interchangeable	Min. V-2, Min. 105°C	UL 94
Speaker (two sets)	Interchangeable	Interchangeable	Each rated 40, max. 2W	IEC/EN 60950-1
Transformer (T1)	Shenzhen Zhi Chen Technology Co., LTD	EQ26-1250	Class B	IEC/EN 60950-1
-Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	PMC, 150°C, V-0, min. thickness 0.71mm	UL 94, UL 746C
-Magnet wire	DONG GUAN YIDA INDUSTRIAL CO LTD	xUEW	130°C	ANSI/UL 1446
(Alternative)	Interchangeable	Interchangeable	Min. 130°C	ANSI/UL 1446
-Triple insulation wire	DONGGUAN HILDE ELECTRONICS CO LTD	THW-B	Reinforced, 130°C	IEC/EN 62368-1 ANSI/UL 2353

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-Insulating tape	SHEN ZHEN XINHUAHUI ELECTRONIC MATERIALS CO LTD	HMT	130°C	CAN/UL 510A
-Insulating Tubing	GREAT HOLDING INDUSTRIAL CO LTD	TFT	Min. 300V, 200°C, VW-1	UL 224
-Varnish	QUALIPOLY CHEMICAL CORP	V852xx	200°C	UL 1446
Power plug	AAG Representative ME	YG-318	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR14136:2012
(Alternative)	AAG Representative ME	GXD-017	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR 14136:2012
(Alternative)	Interchangeable	Interchangeable	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR 14136:2012
Power cord	LIAN YI XIANG ELECTRONICS CO LTD	H03W-F H05W-F	3 x 0.75 mm2 3 x 0.75/1.0 mm2	EN 50525-2-11: 2011
(Alternative)	Shenzhen G- CINDA Power Solution Co., Ltd	H03W-F H05W-F	3 x 0.75 mm2 3 x 0.75 mm2	EN 50525-2-11: 2011
(Alternative)	Interchangeable	Interchangeable	3 x 0.75 mm2	EN 50525-2-11: 2011
Power connector	LIAN YI XIANG ELECTRONICS CO LTD	LYX-W13	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1
(Alternative)	Shenzhen G- CINDA Power Solution Co., Ltd	GXD-014	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1
(Alternative)	Interchangeable	Interchangeable	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1

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Modelo DM270

Componente	Fabricante	Modelo	Dados Técnicos	Norma
Plastic enclosure	DongGuan BaoHua Plastic Raw Material Co Ltd	BH-9379	V-0, 60°C, Min. 1.6mm thickness	UL 94
Appliance inlet (CON1)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	ST-A04-001	250Vac, 2.5A, Min. 70°C, C6 type	IEC/EN 60320-1 UL 60320-1
PCB	FUJIAN LIHAO ELECTRONIC TECHNOLOGY CO LTD	L-40F	V-0, 130°C	UL 94, UL 796
(Alternative)	KINGBOARD LAMINATES HOLDINGS LTD	KB-5152	V-0, 130°C	UL 94, UL 796
(Alternative)	SHANDONG JINBAO ELECTRONICS CO LTD	ZD-68(G)F1, ZD-95(G)F	V-0, 130°C	UL 94, UL 796
(Alternative)	Interchangeable	Interchangeable	Min. V-1, Min. 130°C	UL 94, UL 796
Fuse (F1)	Dongguan Anlu Electronics Technology Co. Ltd.	AMT	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Shenzhen Lanson Electronics Co. Ltd.	SMT	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Dongguan LUOYI Electronics Technology Co., Ltd.	SAT	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14
(Alternative)	Dongguan Better Electronics Technology Co., Ltd.	932	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14

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X-capacitor (CX2)	DongGuan Chengdong Electronic Technology Co., Ltd.	MPX	Max.0.22 μ F, Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shen Zhen Shi Zhc Technology Co. Ltd.	MPX/MKP	Max.0.22 μ F, Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	CARLI ELECTRONICS CO LTD	MPX	Max.0.22 μ F, Min. 275Vac, 110°C, Class X2	IEC/EN 60384-14 UL 60384-14
(Alternative)	Tenta Electric Industrial Co. Ltd.	MEX	Max.0.22 μ F, Min. 275Vac, 100°C, Class X2	IEC/EN 60384-14 UL 60384-14
Y-capacitor (CY1, CY2, CY3)	JYA-NAY CO., LTD.	JN	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shen Zhen Shi Zhc Technology Co. Ltd.	VDE: CD-Series UL: CD	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shenzhen Haotian Electronic Co., Ltd.	HT	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Dongguan Cigu Electronic Technology Co., Ltd	VDE: CD-Series UL: CD	Max. 1000pF, Min. 250Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	VDE: CD-Series UL: CD	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
(Alternative)	DongGuan City Jiankun Electronics Technology Co. Ltd	VDE: JT series UL: JT	Max. 1000pF, Min. 400Vac, Min. 125°C, Class Y1	IEC/EN 60384-14 UL 60384-14
Optocoupler (U3)	Shenzhen Orient Components Co. Ltd.	ORPC817x	Ext Cr & Cl \geq 7.6mm	IEC/EN 60747-5-5 UL 1577

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			DTI≥0.4mm, 110°C Double protection optical isolator, providing 5000 V ac isolation	
(Alternative)	Sharp Corporation	PC817	Ext Cr & Cl ≥ 6.4mm DTI≥0.4mm, 110°C PC817 Double protection optical isolated switches, providing 5000 Vac isolatio	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Lite-On Technology Corporation	LTV-817	Ext Cr & Cl ≥ 7.0mm DTI≥0.4mm, 115°C Double protection optical isolators having an isolation voltage of 5300 Vrms	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Bright Led Electronics Corp.	BPC-817C	Ext Cr & Cl ≥ 7.6mm DTI≥0.4mm, 110°C Double protection optical isolators 5000 Vac isolation voltage	IEC/EN 60747- 5-5 UL 1577
(Alternative)	Everlight Electronics Co., Ltd.	EL817	Ext Cr & Cl ≥ 7.6mm DTI≥0.4mm, 110°C Double protection optical isolators,	IEC/EN 60747- 5-5 UL 1577

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			providing 5000 vac isolation	
Varistor (RV1)	Shantou High- New Technology Dev. Zone Songtian Enterprise Co., Ltd.	10D561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for 6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Cerglass MFG Inc	10D561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for 6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Guangxi New Future Information Industry Co., Ltd.	10D561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for 6KV/3KA combination pulse)	IEC 61051-1
				IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Thinking Electronic Industrial Co., Ltd.	TVR10D561	Min. 350Vac, 105°C, coating Min. V-1 (tested for 6KV/3KA combination pulse)	IEC 61051-1
				IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	DongGuan City Jiankun Electronics Technology Co. Ltd	10D561K	Min. 350Vac, 125°C, coating Min. V-1 (tested for 6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
(Alternative)	Huizhou Songlongxindian Electronics Technology Co. Ltd.	10D561K	Min. 350Vac, 85°C, coating Min. V- 1 (tested for 6KV/3KA combination pulse)	IEC 61051-1 IEC 61051-2 IEC 61051-2-2 ANSI/UL 1449
Insulation sheet	SICHUAN DONGFANG INSULATING	DFR3A(d), DFR3713A(d), DFR3715A(d), DFR3716A(d),	V-0, Min. 110°C, Min. 0.4mm thickness	UL 94

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	MATERIAL CO LTD	DFR3732A(d), DFR3735A(d), DFR3738A(d), DFR3613A(d), DFR3615A(d), DFR3616A(d), DFR3632A(d), DFR3635A(d), DFR3638A(d)		
LED panel	AU OPTRONICS CORPORATION	M270HAN01.0	27 inch, TFT-LCD	IEC/EN 60950-1
Protective bonding wire	Interchangeable	Interchangeable	VW-1, Min. 300V, Min. 80°C, Min. 22AWG	UL 758
Internal wire	Interchangeable	Interchangeable	VW-1, Min. 60V, Min. 80°C, Min. 26AWG	UL 758
Thermistor (NTC1)	Interchangeable	Interchangeable	Min. 3A, 5ohm at 25°C	UL 1434
Bridge Rectifier (DB1)	Interchangeable	Interchangeable	Min. 2A, Min. 1000V	IEC/EN 60950-1
Electrolytic capacitor (C102)	Interchangeable	Interchangeable	Max. 68µF, Min. 400V, Min. 105°C	IEC/EN 60950-1
Mosfet (Q1)	Interchangeable	Interchangeable	Min. 4A, Min. 650V	IEC/EN 60950-1
Bleeder resistor (R3, R4, R5, R6)	Interchangeable	Interchangeable	Each max. 2Mohm, 1/4W	IEC/EN 60950-1
Bleeder resistor (R7A, R7, R8, R9, R10)	Interchangeable	Interchangeable	Each max. 1.8ohm, 1/4W	IEC/EN 60950-1
Glue	Interchangeable	Interchangeable	Min. V-2, Min. 105°C	UL 94
Line choke (LF2)	Shenzhen Yuan Chuangfu Electronics Co., LTD	UU9.8-15mH	Min 15mH, Min.130°C	IEC/EN 60950-1

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-Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, 150°C, V-0, Min. thickness 0.45mm	UL 94, UL 746C
-Magnet wire	DONG GUAN YIDA INDUSTRIAL CO LTD	2UEW	130°C	ANSI/UL 1446
(Alternative)	Interchangeable	Interchangeable	Min. 130°C	ANSI/UL 1446
Transformer (T1)	Shenzhen Zhi Chen Technology Co., LTD	EQ26-1250	Class B	IEC/EN 60950-1
-Bobbin	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, 150°C, V-0, Min. thickness 0.71mm	UL 94, UL 746C
-Magnet wire	DONG GUAN YIDA INDUSTRIAL CO LTD	xUEW	130°C	ANSI/UL 1446
(Alternative)	Interchangeable	Interchangeable	Min. 130°C	ANSI/UL 1446
-Triple insulated wire	DONGGUAN HILDE ELECTRONICS CO LTD	THW-B	130°C	IEC/EN 60950-1 ANSI/UL 2353
-Insulating tape	SHEN ZHEN XINHUAHUI ELECTRONIC MATERIALS CO LTD	HMT	130°C	CAN/UL 510A
-Tubing	GREAT HOLDING INDUSTRIAL CO LTD	TFT	200°C	UL 224
-Varnish	QUALIPOLY CHEMICAL CORP	V852xx	200°C	UL 1446
Mains supply cords (Brazil) (Optional)				
Power plug	AAG Representative ME	YG-318	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR 14136:2012

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(Alternative)	AAG Representative ME	GXD-017	250V~, 10A	ABNT NBR NM 60884-1: 2010; ABNT NBR 14136:2012
Power cord	LIAN YI XIANG ELECTRONICS CO LTD	H03VV-F H05VV-F	3 x 0.75 mm ² 3 x 0.75/1.0 mm ²	EN 50525-2-11: 2011
(Alternative)	Shenzhen G- CINDA Power Solution Co., Ltd	H03VV-F H05VV-F	3 x 0.75 mm ² 3 x 0.75 mm ²	EN 50525-2-11: 2011
Power connector	LIAN YI XIANG ELECTRONICS CO LTD	LYX-W13	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1
(Alternative)	Shenzhen G- CINDA Power Solution Co., Ltd	GXD-014	AC 250V, 2.5A, C5 tpye	IEC/EN 60320-1