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Drawing Title: GT-83083-0505-USB-W2E, ICT/ITE Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, Input Rating: 100-240V~ , 50/60Hz, Euro Plug Fixed, , Output Rating: 5.00W, 5.0V@1.0A, Pin Out: Pin 1:(+), Pin 2 (D-): Connected to Pin 3 (D+), Pin 3 (D+): Connected to Pin 2 (D-), Pin 4:(-); P2 (D-) and P3 (D+) are shorted together inside power supply., Output Configuration: 600 mm, 22/4 Cond, UL 2725, Micro-B USB 5 Pin Type "B" or Equal, Ferrite: None, GlobTek Black, GT Cord # C2055, Blades/Input Cord: Fixed Blades Europlug 2 pins, Class II, Approvals:	
Model No. GT-83083-0505-USB-W2E	
Part No./Ordering No. WR9MA1000USB1-F(R6B)	Rev D

In Addition to GlobTek Inc.'s renewed ISO9001:2015 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2016 - Medical Devices Quality Management System Certification
ISO14001:2015 - Environmental Management System Certification

ISO Certificates are available online at https://www.globtek.com/iso-certificates/

The acceptance of this specification and use of the product described in this document indicates the acceptance and binding of the customer to Globtek TERMS AND CONDITIONS (attached to the end of this document), which supersede all other agreements, terms, and conditions (https://www.globtek.com/terms-and-conditions/).

The purchaser of this product (Customer) agrees that it is their sole responsibility to determine suitability/fitness of the product described in this specification for their application and to take precautions for protection against any hazards attendant to the handling and use of the product.

Footnote:

GlobTek Inc. will not be liable for the safety and performance of these power supplies/battery packs if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instruction.

Limitation of Use:

GlobTek products are intended for use with commercial, medical, and/or industrial equipment only. GlobTek product are not authorized for use as mission critical components in life support hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of GlobTek Inc.
Contents of this document are subject to change without prior notice.

Customer Approval of Specification:

Please approve, sign and send back to GlobTek so we can complete order processing.
A delay in receipt of this form will delay delivery schedule.

Company Name:	Customer P/N:
Quote Number:	Date:
Authorized Representative Name:	Authorized Representative Signature:

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Model No. GT-83083-0505-USB-W2E

Part No./Ordering No. WR9MA1000USB1-F(R6B) Rev D

REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
D	Update O/P cord from 1000+70,-20 mm to 600+70,-20 mm	QA	10/01/2015	QA
C	Update pinout	QA	06/05/2015	QA
B	Update electrical specification, update packing, revise Level VI on title, add CB report	QA	04/12/2015	QA
A	Initial release	QA	03/24/2015	QA

POWER SUPPLY INFORMATION

TYPE	Wall Plug-in
TECHNOLOGY	AC/DC Switching Adapter with USB Power Supply AC Adaptor
CASE COLOR	GlobTek Black
NAMEPLATE RATED INPUT	100-240V⎓ , 50/60Hz, 0.2A
INPUT CONFIG	Euro Plug Fixed
WATTS	5.00
VOLTS OUT	5.0
CURRENT OUT (Amps)	1.0
BLADE/CORD INCLUDED	FBEU Fixed Blades Europlug 2 pins, Class II
BLADE/CORD INSTALLED	FBEU :Fixed Blades Europlug 2 pins, Class II
INGRESS PROTECTION	
GROUNDING CONFIGURATION	(F1) Floating output, Class II / double insulated
EFFICIENCY LEVEL	USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782
OUTPUT CONFIGURATION	600 mm, 22/4 Cond, UL 2725, Micro-B USB 5 Pin Type "B" or Equal, Ferrite: None, GlobTek Black, GT Cord # C2055
CONNECTOR PIN OUT	Pin 1:(+), Pin 2 (D-): Connected to Pin 3 (D+), Pin 3 (D+): Connected to Pin 2 (D-), Pin 4:(-); P2 (D-) and P3 (D+) are shorted together inside power supply.
LABEL SPECS	Standard GT,L-1186
SPECIAL BARCODE LABEL MATERIAL	No
PACK SPEC	Standard with USB O/P, Individually Box
USER MANUAL	

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Model No. GT-83083-0505-USB-W2E	
Part No./Ordering No. WR9MA1000USB1-F(R6B)	Rev D

Notes/Modifications/Customizations (notes in this section supersede the values shown in the standard spec)

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

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ELECTRICAL SPECIFICATIONS

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the output connector measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors

04. Line Voltage Regulation: +/- 1% typical measured at the output connector measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
05. Output Ripple (Vp-p): +/-1% or 100 mV whichever is greater measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors. Measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector.
06. Inrush Current: at full load, 25°C, cold start
07. Switching Frequency: 100 KHz typical, varies with line and load
08. Efficiency: 73.77% minimum at nominal input voltage average, Efficiency meet CEC V, ERP：2009/125/EC

B) PROTECTION
01. Over-current protection: 1.5A maximum with auto-recovery function
02. Over-voltage protection: 10VDC maximum with zener clamp
03. Short-circuit protection:The adapter shall not be damaged by short the DC output to Ground.

C) SAFETY
01. Dielectric Withstand Voltage: Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute
02. Leakage Current: 20uA maximum, at nominal AC input voltage and frequency
03. ESD Immunity per EN61000-4-2, ±8 kV contact, ±15 kV air, Perf Criteria A Standard.

D) OTHER:
01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 50°C ambient temperature
03. Operating Humidity: 20 ~ 85 % RH. non-condensing
05. Storage Temperature: -20°C to 60°C
06. Storage Humidity:5 ~ 95 % RH. non-condensing
07. Cooling: Cooling shall be with natural convection cooling
08. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11364-2014

E) ENCLOSURE
01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Markings: Label and/or Pad Printed and/or Molded in the case

TO ADDRESS SYSTEM-LEVEL EMI CONCERNS, FERRITE CHOKES/BEADS MAY BE ADDED/REVISED UPON REQUEST. A SAMPLE KIT OF GLOBTEK'S STANDARD FERRITES IS AVAILABLE UNDER GLOBTEK P/N: EMI-MITIGATION-KIT1

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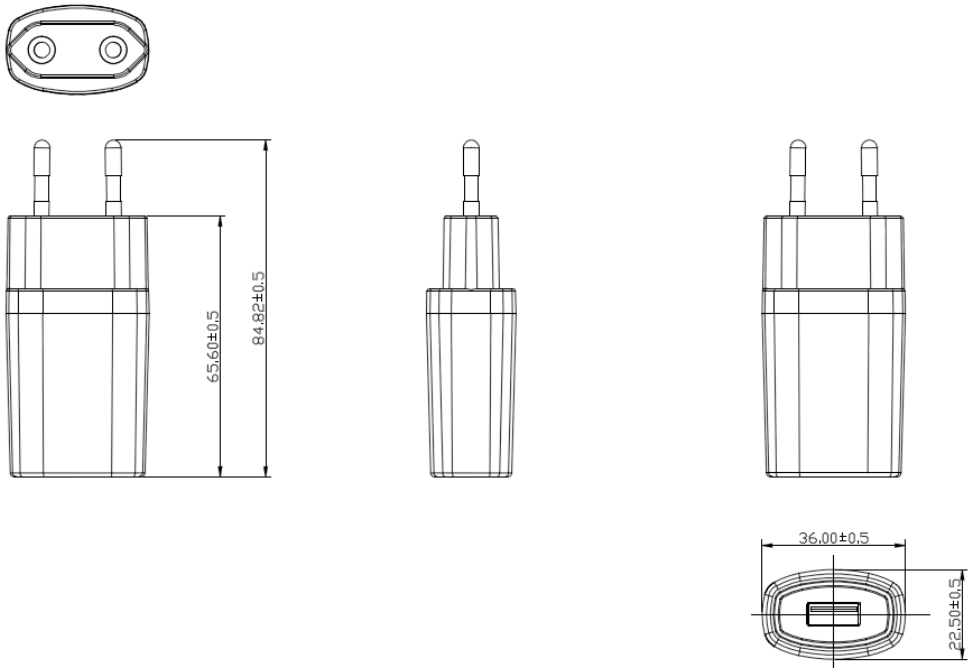
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3D File Download https://www.globtek.com/file/dl/GT-83083-0505-USB-W2E.STP

Mechanical drawing



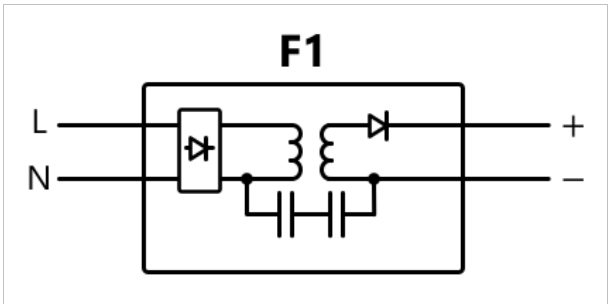
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INPUT CONFIGURATION

(F1) Floating output, Class II / double insulated



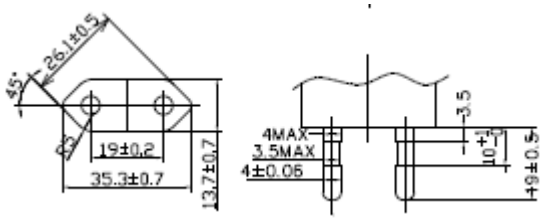
Alternate grounding configurations available upon request.

Blades/Cord Included:FBEU:Fixed Blades Europlug 2 pins, Class II

Blades/Cord Installed:FBEU:Fixed Blades Europlug 2 pins, Class II

Europlug 2 Prong CEE 7/7
European CEE 7/16 configuration:EN 50075 Europlug 2 PIN

The prongs of the Europlug are 19 mm long. They consist of a 9 mm long conductive tip of 4 mm diameter with a rounded ending, followed by a 10 mm long flexible insulated shaft of not more than 3.8 mm diameter. The two prongs are not exactly parallel and converge slightly; their centres are 19 mm apart at the tip and 18.6 mm apart at the base. The elasticity of the converging prongs provides sufficient contact force for the Europlug's current rating with a variety of socket-hole arrangements. The entire plug is 35.3 mm wide and 13.7 mm high, and must not exceed these dimensions within 18 mm behind its front plane (this allows for the recesses on many European socket types). The left and right side of the plug are formed by surfaces that are at 45° relative to the horizontal plan.



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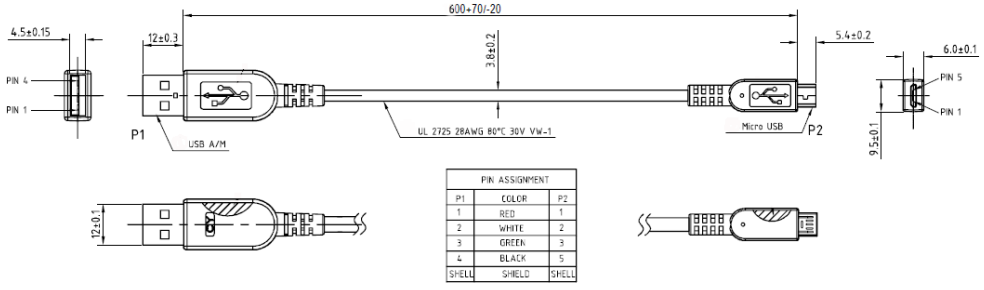
Model No. GT-83083-0505-USB-W2E

Part No./Ordering No. WR9MA1000USB1-F(R6B) Rev D

OUTPUT CORD AND CONNECTOR: USBBU/C2055

ACTUAL CONNECTORS, OVERMOLDS, FERRITES MAY VARY SLIGHTLY FROM THE PICTURE BELOW

CABLE TYPE	UL 2725
CABLE LENGTH (mm)	600
CABLE TOLERANCE (mm)	+70,-20
WIRE GAUGE (AWG)	22
CONDUCTORS	4
HANK DIMENSION (mm)	100 ±10
CABLE / CONNECTOR OVERMOLD COLOR	GlobTek Black
FERRITE TYPE AND DIMENSION	None
FERRITE NUMBER OF TURNS(Definition)	N/A
FERRITE DIMENSION FROM STRAIN RELIEF	N/A
FERRITE DIMENSION FROM PLUG	N/A
PLUG TYPE	Micro-B USB 5 Pin Type "B" or Equal
OVER MOLD ORIENTATION	Right Angle
CONNECTOR PIN OUT	Pin 1:(+), Pin 2 (D-): Connected to Pin 3 (D+), Pin 3 (D+): Connected to Pin 2 (D-), Pin 4:(-); P2 (D-) and P3 (D+) are shorted together inside power supply.



ADDITIONAL OUTPUT PLUG OPTIONS ARE AVAILABLE AT https://www.globtek.com/en/connectors
STANDARD PLUGS AND CONNECTORS CAN BE SEEN ONLINE AT https://www.globtek.com/en/connectors
CALCULATE VOLTAGE REGULATION/DROP WITH OUR ONLINE CALCULATOR: https://www.globtek.com/r2/PtqjjL

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OUTPUT CONNECTOR HOOK UP

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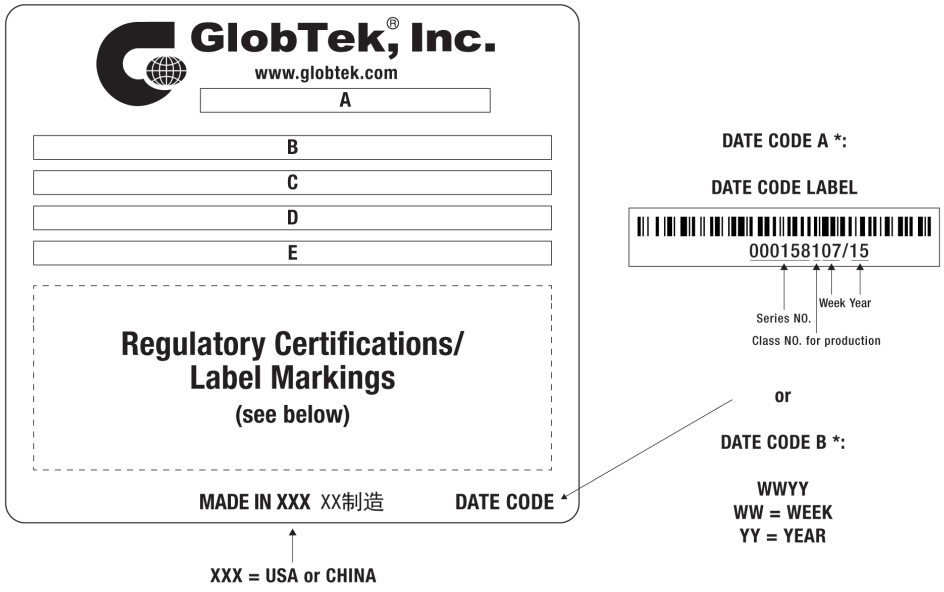
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	Part No./Ordering No. WR9MA1000USB1-F(R6B)	Rev D

LABEL:L-1186

LABEL P/N	Standard GT
MATERIAL	Flat Thermal Transfer, Imprintable, Polyester Label and/or Pad Printed and/or Molded, and/or Laser Engraved in the case
BACKGROUND COLOR	Black if housing is Black, White or Silver if housing is White or Gray.
TEXT COLOR	White or Silver if label is Black Background for Black housing. Black if label is White or Silver background and Housing is White or Gray.
LABEL WIDTH (mm)	30.0
LABEL HEIGHT (mm)	24.0
SPECIAL BARCODE LABEL MATERIAL	No

Below is the minimum information which will appear on the label. NOTE: in the logo area additional/actual positioning of symbols and text is subjected to change as per agency updates/requirements or additional model approvals become available.
Regulatory certifications/label markings may be in logo area on the label or molded into the case housing outside the label area.
Information will be shown via label and/or pad printed and/or molded and/or laser engraved in the case. * Date code markings at GlobTek option
.



A=ICT/ITE Power Supply
B=P/N: (料号) WR9MA1000USB1-F(R6B)
C=Model (型号) GT-83083-0505-USB-W2E
D=Input (输入)100-240V~ , 50/60Hz, 0.2A
E=Output (输出)5.0 V ⎓ 1.0 A, 5.00W

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AGENCY ONLINE DOCUMENTS	http://www.globtek.info/certs/GT-83083-USB-W2Z/
CE EC-Declaration for Medical	Contact GlobTek for more information
CE EC-Declaration for Industrial/Commercial/ITE	https://cs.globtek.info/ec_declaration_product?id=01ta00000055rpj&i=2
CE EC-Declaration for Household	Contact GlobTek for more information
UKCA-Declaration for Medical	Contact GlobTek for more information
UKCA-Declaration for Industrial/Commercial/ITE	https://cs.globtek.info/ukca_declaration_product?id=01ta00000055rpj&i=2
UKCA-Declaration for Household	Contact GlobTek for more information
Morocco SDoC Declaration	https://cs.globtek.info/Morocco_SDoC_Declaration?id=a0Oa000000MEmx4EAD
RoHS/RoHS3 Declaration	https://www.globtek.com/pdf/rohs_cert/01ta00000055rpjAAA
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf
Prop 65 Statement	https://www.globtek.com/prop-65-statement.pdf

IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.

Regulatory Certifications/Label Markings

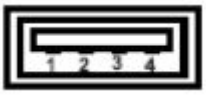
Below follows a link to the latest regulatory certifications and marks for this specific product. National standards as well as certification schemes are constantly changing and so is the set of certification marks and symbols applicable to this product. Various standards, marks and symbols, and certificates are subject to change at any time without notice.

Additional standards or unique country certifications are available upon request. Please contact Globtek to request a quotation.

LATEST PRODUCT/MODEL CERTIFICATIONS:	https://www.globtek.com/ds/5tB6RBFtt5c/mATiLnU56fx.html
AGENCY ONLINE DOCUMENTS	http://www.globtek.info/certs/GT-83083-USB-W2Z/



(F1) Floating output, Class II / double insulated



BC 1.2 compliant Dedicated Charging Port (DCP)
This port does not support any data transfer, but is capable of supplying charge
currents beyond 1.5A.
It features a short between the D+ and D- lines.
This type of port allows for wall chargers and car
chargers with high-charge capability without the need for enumeration.

Pin 1:(+), Pin 2 (D-): Connected to Pin 3 (D+), Pin 3 (D+): Connected to Pin 2 (D-), Pin 4:(-);
P2 (D-) and P3 (D+) are shorted together inside power supply.

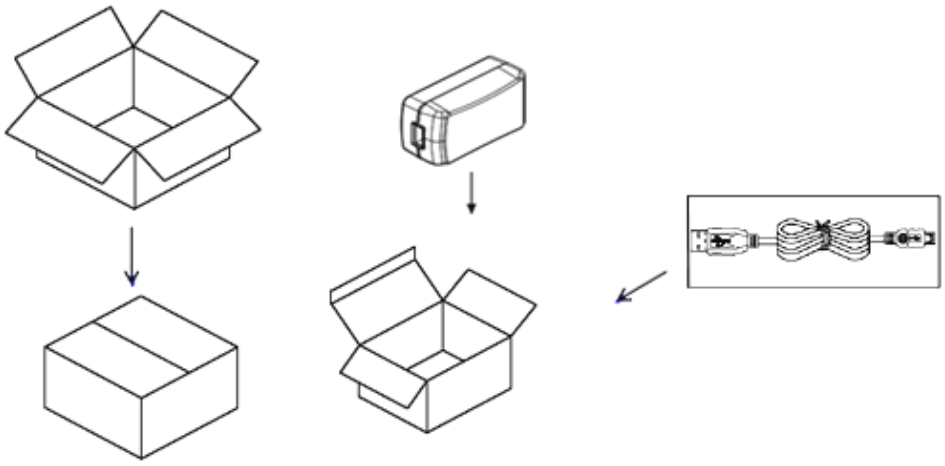
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PACKAGING

Packing Spec P/N	Standard with USB O/P, Individually Box
Box Qty	120
Gift Box Size (mm)	90(L)*48(W)*62(H)
Gift Box Color	White
Master Carton Size (mm)	470 x 310 x 284
Master Carton Cubic Volume (m^3)	0.04
Master GW (Kg)	1.0 kg
BLADES INCLUDED	FBEU: Fixed Blades Europlug 2 pins, Class II
BLADE/CORD INSTALLED	FBEU: Fixed Blades Europlug 2 pins, Class II
USER MANUAL*	
USER MANUAL WEB LINK	

* This specification sheet is considered the user manual for all applications. It is expected that the buyer of this product will use it to formulate their own user manual for their end product and a user manual specifically for the power adapter is not usually required. If a user manual is not specifically listed above then none will be provided with this unit.

If specific packaging is required, this section must specify all requirements and note “no exceptions”. If this section does not specify packaging, it is subject to change without notice at GlobTek’s discretion



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INSTRUCTIONS TO THE OEM SYSTEMS ENGINEER

It is the responsibility of the OEM systems engineer to provide the end system user instructions and warnings for the use of this product in the end system.

If an input cord is required for this product, AC Mains voltage should be provided to the power supply by a power supply cord approved to the national standards of the country in which it will be used.

This product is not designed to be repaired. No serviceable parts inside. A blown internal fuse is an indication of catastrophic failure of circuit component(s). If a Failure Analysis is required for a failed power supply/battery charger, please return the damaged unit to GlobTek for an accurate determination of the root cause of the failure.

EMC Compliance of the complete OEM product, including the GlobTek power supply/battery charger needs to be verified by the OEM systems engineer.

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GlobTek, Inc.
www.globtek.com
186 Veterans Drive,
Northvale, NJ 07647
Tel. (201) 784-1000
Fax (201) 784-0111

Drawing Title: GT-83083-0505-USB-W2E, ICT/ITE Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, Input Rating: 100-240V~ , 50/60Hz, Euro Plug Fixed, , Output Rating: 5.00W, 5.0V@1.0A, Pin Out: Pin 1:(+), Pin 2 (D-): Connected to Pin 3 (D+), Pin 3 (D+): Connected to Pin 2 (D-), Pin 4:(-); P2 (D-) and P3 (D+) are shorted together inside power supply., Output Configuration: 600 mm, 22/4 Cond, UL 2725, Micro-B USB 5 Pin Type "B" or Equal, Ferrite: None, GlobTek Black, GT Cord # C2055, Blades/Input Cord: Fixed Blades Europlug 2 pins, Class II, Approvals:	
Model No. GT-83083-0505-USB-W2E	
Part No./Ordering No. WR9MA1000USB1-F(R6B)	Rev D

INSTRUCTION SHEET

N/A

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GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: GT-83083-0505-USB-W2E, ICT/ITE Power Supply, Efficiency Level: USA DOE Level VI / Eco-design Directive 2009/125/EC, (EU) 2019/1782, Case Color/Style: GlobTek Black, Wall Plug-in, AC/DC Switching Adapter with USB Power Supply AC Adaptor, Input Rating: 100-240V~ , 50/60Hz, Euro Plug Fixed, , Output Rating: 5.00W, 5.0V@1.0A, Pin Out: Pin 1:(+), Pin 2 (D-): Connected to Pin 3 (D+), Pin 3 (D+): Connected to Pin 2 (D-), Pin 4:(-); P2 (D-) and P3 (D+) are shorted together inside power supply., Output Configuration: 600 mm, 22/4 Cond, UL 2725, Micro-B USB 5 Pin Type "B" or Equal, Ferrite: None, GlobTek Black, GT Cord # C2055, Blades/Input Cord: Fixed Blades Europlug 2 pins, Class II, Approvals:	
	Model No. GT-83083-0505-USB-W2E	
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