

GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: USB Key A 20-pin Plug mating to shielded header aka USB-E (USB TYPE-E) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Internal wiring connector, Plug Connector 20 Position Surface Mount, For overmolding	
	Model No. Connector	Part No./Ordering No. PLUG-USBE-20PINBM
		Rev A

In Addition to GlobTek Inc.'s renewed ISO9001:2008 - Quality Management System Certification, GlobTek Inc. is now certified to:

ISO13485:2003 - Medical Devices Quality Management System Certification
ISO14001:2004 - Environmental Management System Certification

ISO Certificates are available online at <http://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 (<http://en.globtek.com/terms-and-conditions/>).

Prop 65 Statement:<https://en.globtek.com/prop-65-statement.pdf>

Footnote:

GlobTek Inc. will not be liable for the safety and performance of these power supplies 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: _____

GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: USB Key A 20-pin Plug mating to shielded header aka USB-E (USB TYPE-E) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Internal wiring connector, Plug Connector 20 Position Surface Mount, For overmolding	
	Model No. Connector	Part No./Ordering No. PLUG-USBE-20PINBM
		Rev A

REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
A	Initial release	DR	02/24/2023	DAVID

AGENCY ONLINE DOCUMENTS

RoHS/RoHS3 Declaration https://www.globtek.com/pdf/rohs_cert/01t3a000005hFTtAAM

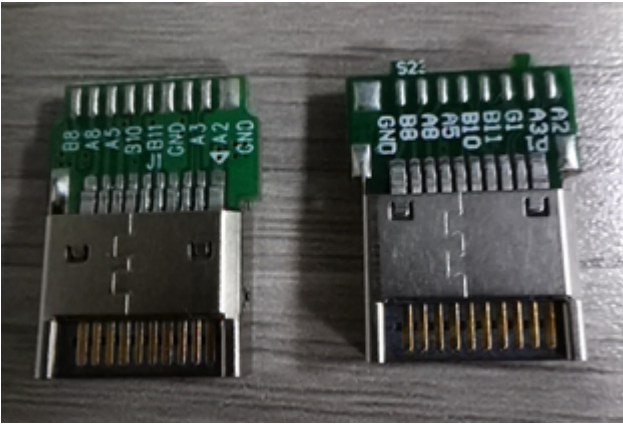
REACH Declaration https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict Minerals Declaration <https://www.globtek.com/pdf/conflict-minerals.pdf>

Prop 65 Statement <https://en.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.

USB 3.1 Internal Connector Plug (Key A 20 Pin Cable Plug Interface) For overmolding



Mechanical Drawing

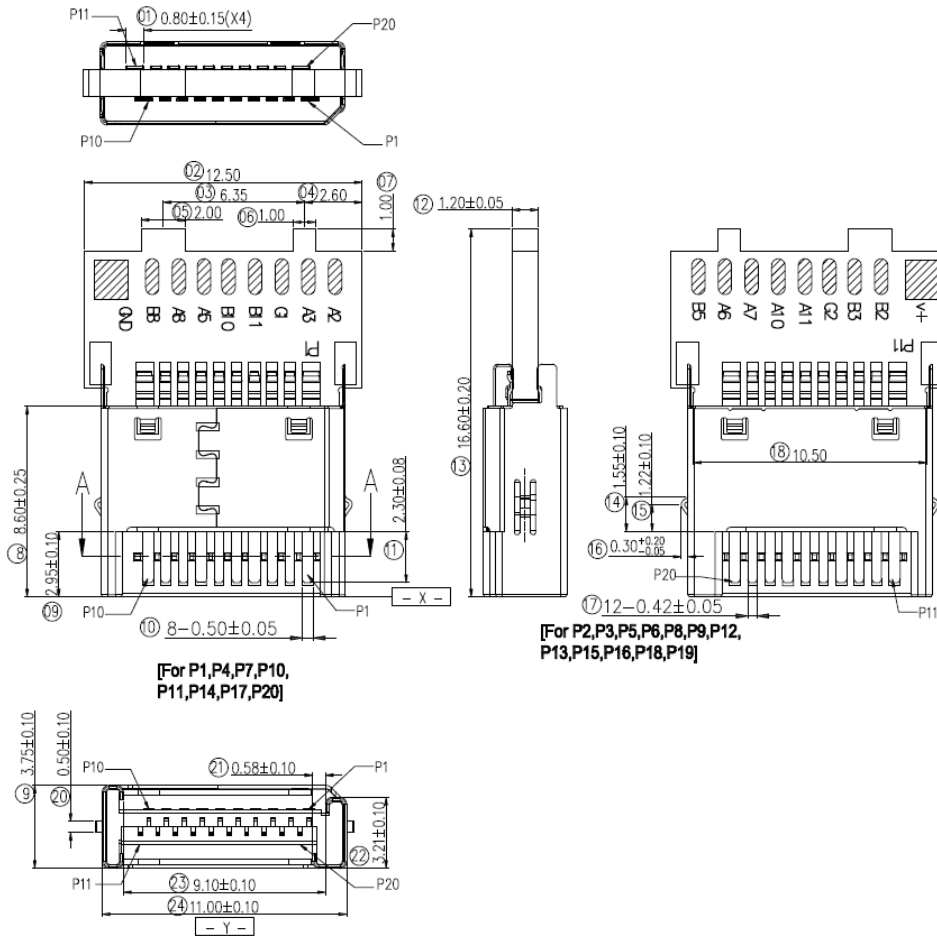
GlobTek, Inc.
 www.globtek.com
 186 Veterans Drive,
 Northvale, NJ 07647
 Tel. (201) 784-1000
 Fax (201) 784-0111

Drawing Title: USB Key A 20-pin Plug mating to shielded header aka USB-E (USB TYPE-E) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Internal wiring connector, Plug Connector 20 Position Surface Mount, For overmolding

Model No. [Connector](#)

Part No./Ordering No. [PLUG-USBE-20PINBM](#)

Rev A



[For P1,P4,P7,P10,
P11,P14,P17,P20]

[For P2,P3,P5,P6,P8,P9,P12,
P13,P15,P16,P18,P19]

This plug Mates with:

Product part number: JACK-USBE-20PINTL

Datasheet: <https://globtek.secure.force.com/spec/pdf/2499730/U5M2917533>

Pin Wiring

P2	_____	A2		P12	_____	B2
P3	_____	A3		P13	_____	B3
P5	_____	B11		P15	_____	A11
P6	_____	B10		P16	_____	A10
P8	_____	A5		P18	_____	A7
P9	_____	A8		P19	_____	A6
P10	_____	B8		P20	_____	B5
P4+P14+P17	_____	GND+G1+G2		P7+P11	_____	VH(或VUBS)
		(或GND+GND1+GND2)				

Wiring Instructions

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC. © GlobTek, Inc. 2023 - 2023

GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: USB Key A 20-pin Plug mating to shielded header aka USB-E (USB TYPE-E) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Internal wiring connector, Plug Connector 20 Position Surface Mount, For overmolding	
	Model No. Connector	Part No./Ordering No. PLUG-USBE-20PINBM
		Rev A



Image Not Available

This image is not available because:

- You don't have the privileges to see it, OR
- It has been removed from the system

SPECIFICATIONS

1.MATERIALS:

SHELL: STAINLESS STEEL;

HOUSING: THERMOPLASTIC.UL94—VO,BLACK;

CONTACT: COPPER ALLOYS;

2.PLATING:

CONTACT: 50,-100u"Min. NICKEL UNDERPLATING OVERALL;

PLATED GOLD 30u"M in. ON CONTACT AREA,

OR REFERENCE PART NO. CODE;

PLATED MATTE Sn 60"150u"MIN. ON SOLDER AREA;

SHELL: PLATED NICKEL;

3.DIMENSIONAL TOLERANCE:

NOT SPECIFIED TOLERANCE,COMPLIED TO THE GENERAL TOLERANCE; CONTROL DIMENSIONS INDICATED FORM "▽",MUST BE INSPECTED BY QC;

4.ELECTRICAL CHARACTERISTICS:

LOW LEVEL CONTACT RESISTANCE: 40mΩ Max.;

INSULATION RESISTANCE:100MΩ Min.;

DIELECTRIC WITHSTANDING VOLTAGE:100 VAC;

CONTACT CURRENT RATING: 3A Max;

5.MECHANICAL CHARACTERISTICS:

INSERTION FORCE: 35N MAX;

EXTRACTION FORCE:15N MIN;

DURABILITY: 50 CYCLES;

6.IR REFLOW CONDITION PEAK TEMPERATURE: 260°-10S

7. [COMPLIES WITH USB 3.1](#)

PACKAGING

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC. © GlobTek, Inc. 2023 - 2023

quest /03/26/2023 12:51:25 PM CLONED FROM PLUG-USBE-20PINST

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

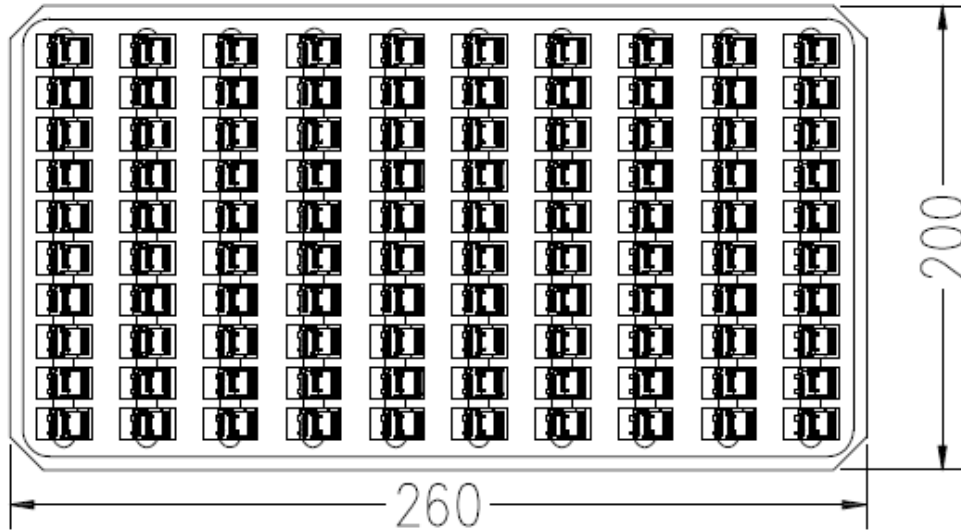
Drawing Title: USB Key A 20-pin Plug mating to shielded header aka USB-E (USB TYPE-E) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Internal wiring connector, Plug Connector 20 Position Surface Mount, For overmolding

Model No. [Connector](#)

Part No./Ordering No. [PLUG-USBE-20PINBM](#)

Rev A

On trays



TRAY SIZE: 260 X 200 X 10.6MM

QUANTITY/TRAY: 80 PCS

QUANTITY/INNER CARTON: 8000 PCS

MASTER CARTON, 100 TRAYS, 375 X 295 X 280 MM

<p>GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111</p>	<p>Drawing Title: USB Key A 20-pin Plug mating to shielded header aka USB-E (USB TYPE-E) USB 3.2 Gen 2 (USB 3.1 Gen 2, Superspeed + (USB 3.1)) Internal wiring connector, Plug Connector 20 Position Surface Mount, For overmolding</p>	
	<p>Model No. Connector</p>	
	<p>Part No./Ordering No. PLUG-USBE-20PINBM</p>	<p>Rev A</p>

PACKAGING

Packing Spec P/N: _____

Box Qty: 8000

Gift Box Size (mm): 260 x 200 x 10.6

Gift Box Color: White

Master Carton Size (mm): 280 x 375 x 295

Master Carton Cubic

Volume (m³): 0.03

Master GW (Kg): kg

wt Ea. (Kg): kg

wt Ea. (Kg): kg

LABEL SPECS: _____ , _____

PACK SPEC: _____