

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://www.globtek.com/terms-and-conditions/>).

Prop 65 Statement:<https://www.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: _____

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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/dcs/SPJ8VNR/ciMe2nmZuh3noOPRvsp7HQ>

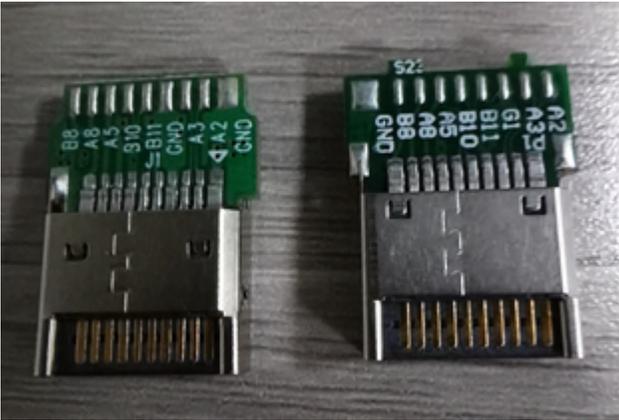
REACH Declaration <https://www.globtek.com/r2/eM2co8>

Conflict Minerals Declaration <https://www.globtek.com/r2/SNw6P3>

Prop 65 Statement <https://www.globtek.com/r2/VMPRnr>

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

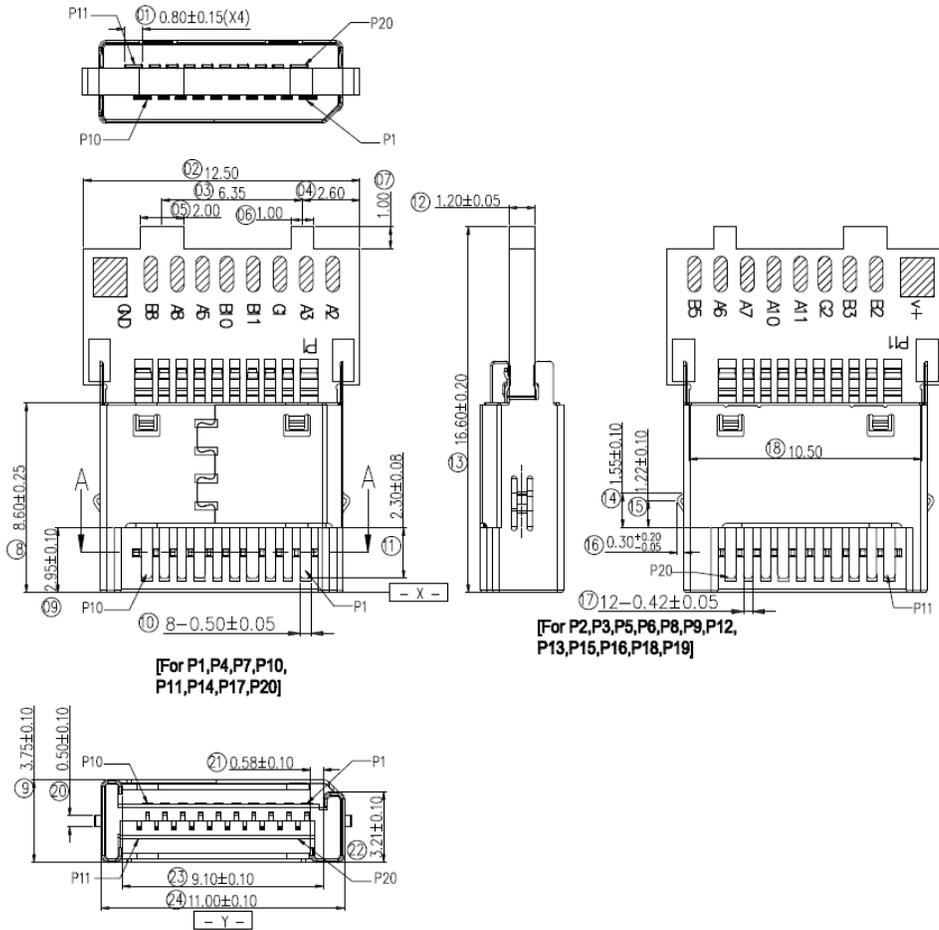
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This plug Mates with:

Product part number: JACK-USBE-20PINTL

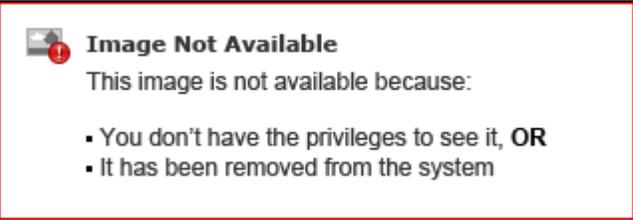
Datasheet: <https://globtek.secure.force.com/spec/pdf/2499730/U5M2917533>

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		P4+P7+P11	_____	V+ (或VUBS)
		(或GND+GND1+GND2)				

Wiring Instructions

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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

On trays

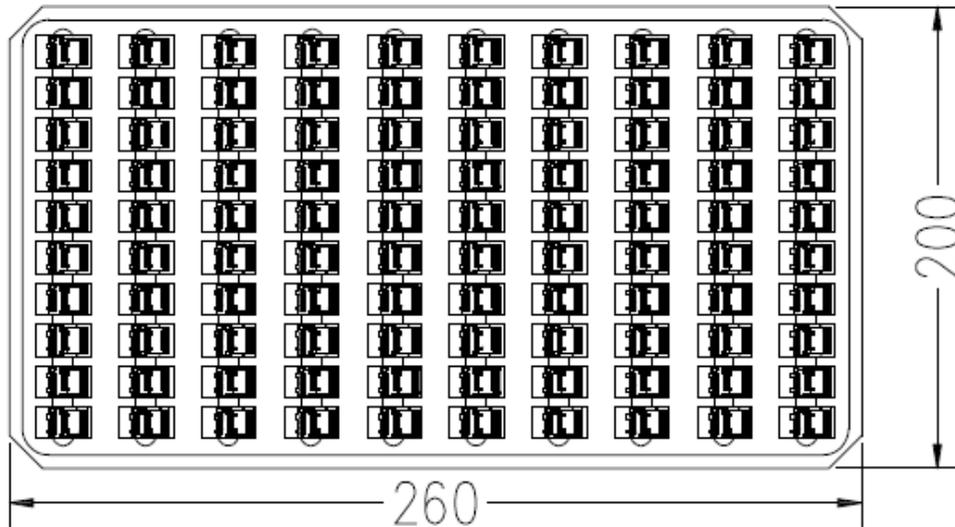
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TRAY SIZE: 260 X 200 X 10.6MM

QUANTITY/TRAY: 80 PCS

QUANTITY/INNER CARTON: 8000 PCS

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

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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 (m ³):	0.03
Master GW (Kg):	kg
wt Ea. (Kg):	kg
wt Ea. (Kg):	kg

LABEL SPECS: ,

PACK SPEC: