

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. <a href="#">Connector</a>  Part No./Ordering No. <a href="#">PLUG-USBE-20PINST</a>	
		Rev B

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
B	Update mechanical drawing and photo without two gaps on both sides of PCB	QA	08/15/2023	QA
A	Initial release	DR	02/24/2023	DAVID

AGENCY ONLINE DOCUMENTS

RoHS/RoHS3 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/01t3a000005hFToAAM">https://www.globtek.com/pdf/rohs_cert/01t3a000005hFToAAM</a>
REACH Declaration	<a href="https://www.globtek.com/r2/eM2co8">https://www.globtek.com/r2/eM2co8</a>
Conflict Minerals Declaration	<a href="https://www.globtek.com/r2/SNw6P3">https://www.globtek.com/r2/SNw6P3</a>
Prop 65 Statement	<a href="https://www.globtek.com/r2/VMPRnr">https://www.globtek.com/r2/VMPRnr</a>

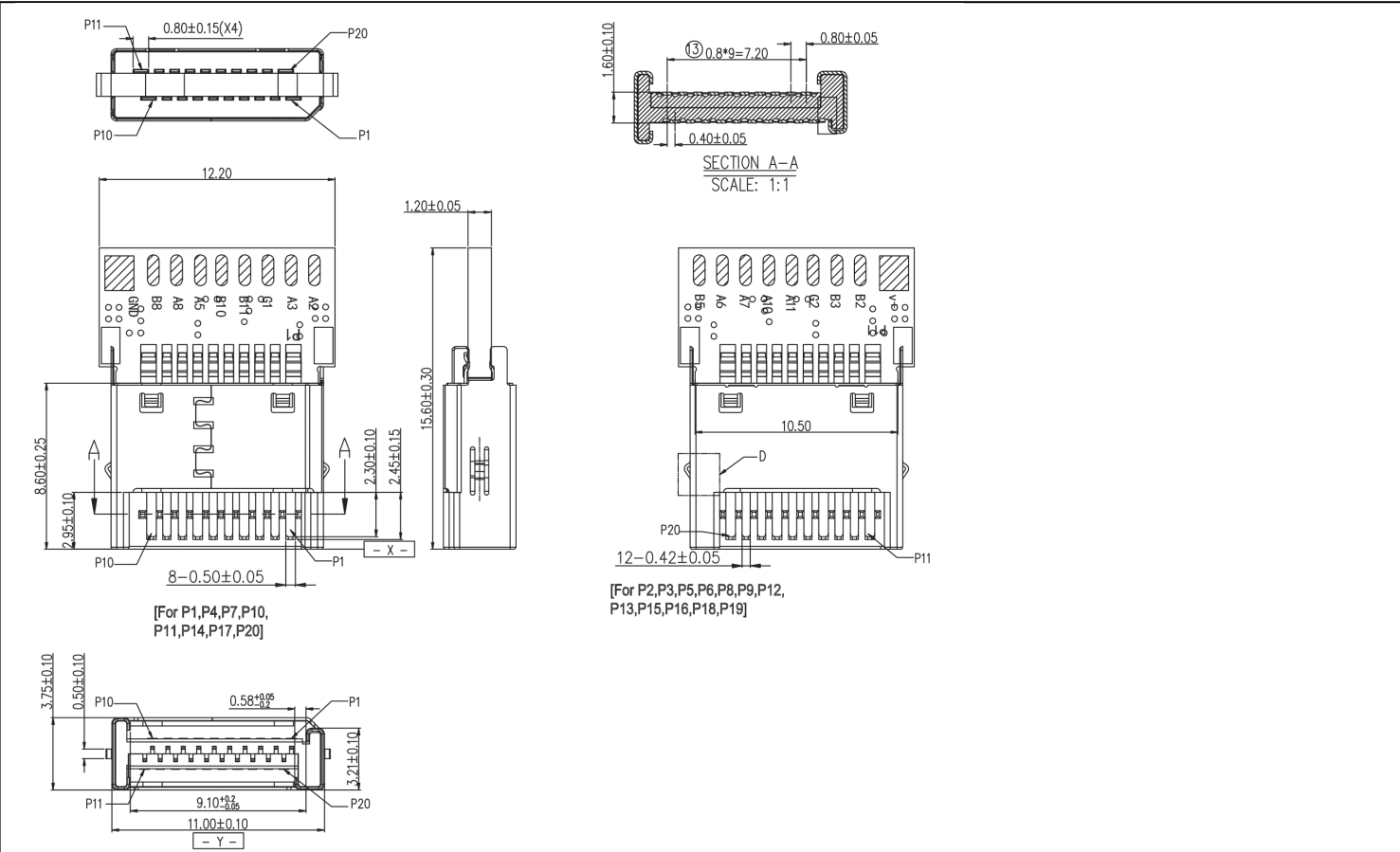
IPXY rating is based on 3rd party testing and customers should check suitability and test system level IPXY rating before ordering.

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	P1 2	—————	B2
P3	—————	A3	P1 3	—————	B3
P5	—————	B1 1	P1 5	—————	A1 1
P6	—————	B1 0	P1 6	—————	A1 0
P8	—————	A5	P1 8	—————	A7
P9	—————	A8	P1 9	—————	A6
P1 0	—————	B8	P20	—————	B5
P4+P14+P17	—————	GND+G1 +G2 ( 或 GND+GND1 +GND2)	P1 +P7+P11	—————	V+( 或 VUBS)

### Wiring Instructions

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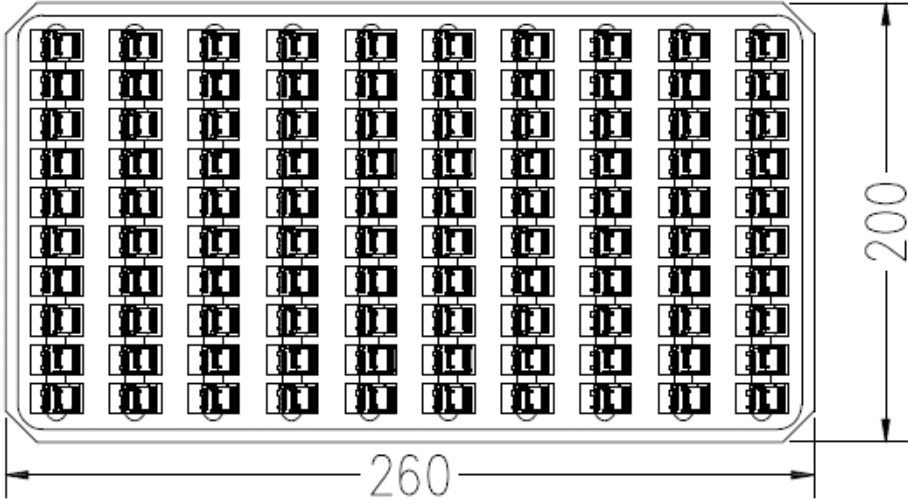
Key-A 20-Pin Plug to One Type-C Port										
Pin No.	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Signal Nome	VBUS	TX1+	TX1-	GND	RX1+	RX1-	VBUS	CC1	SBU1	SBU2
Signal Nome	CC2	D+	D-	GND	RX2-	RX2+	GND	TX2-	TX2+	VBUS
Pin No.	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11
Key-A 20-Pin Plug to One Standard-A Port										
Pin No.	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Signal Nome	VBUS	TX1+	TX1-	GND	RX1+	RX1-	VBUS	CC1		
Signal Nome		D+	D-	GND			GND			VBUS
Pin No.	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11

- 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 "V",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

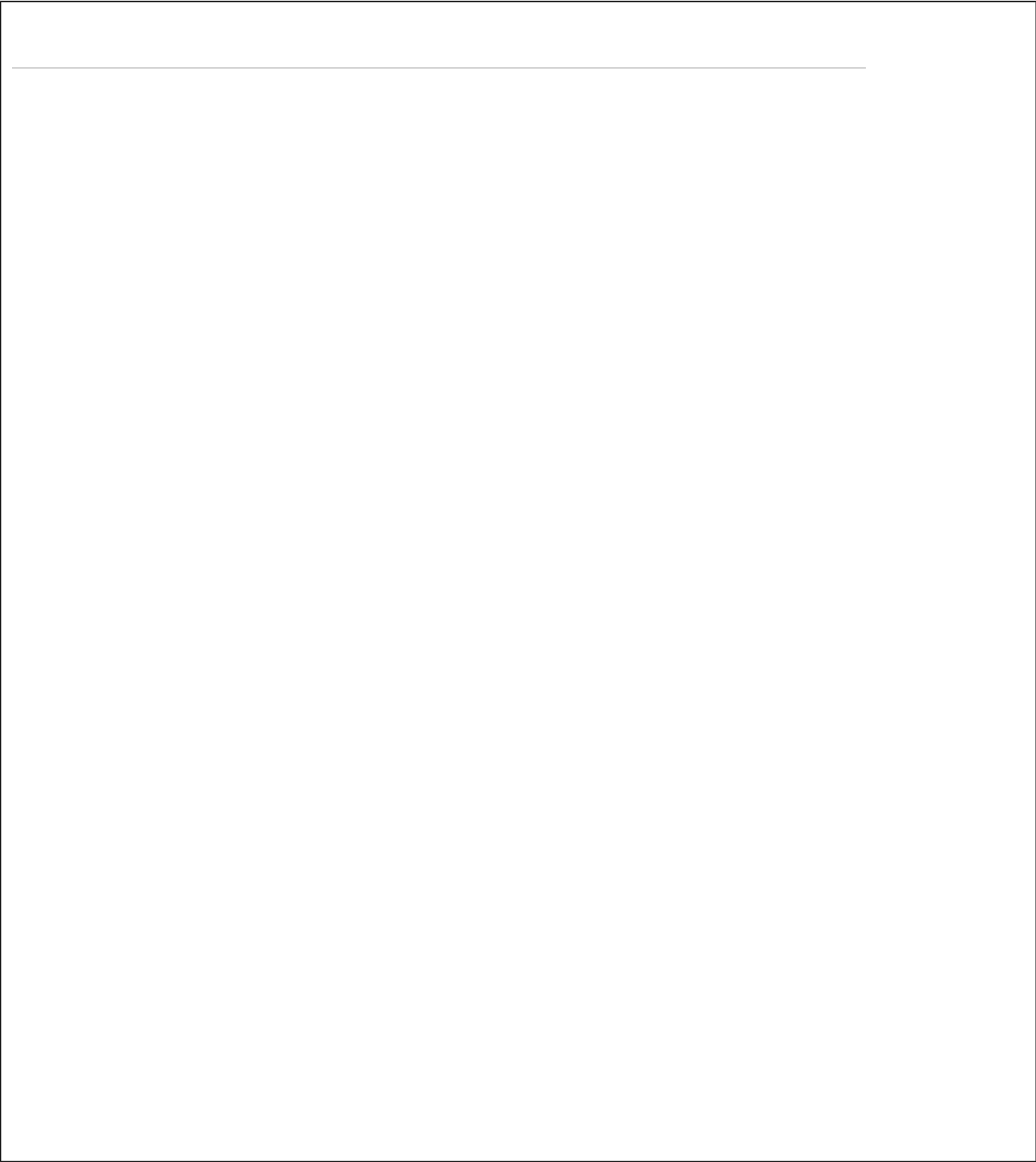
On trays

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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 280 280 MM

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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:	