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|---|---|
| <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-20PINST Rev A</p> |

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: _____ |

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| | | 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/01t3a000005hFToAAM

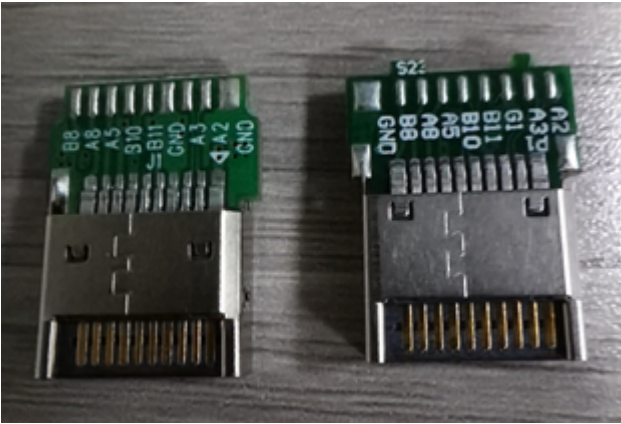
REACH Declaration https://www.globtek.com/pdf/iso_certificates/REACH.pdf

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

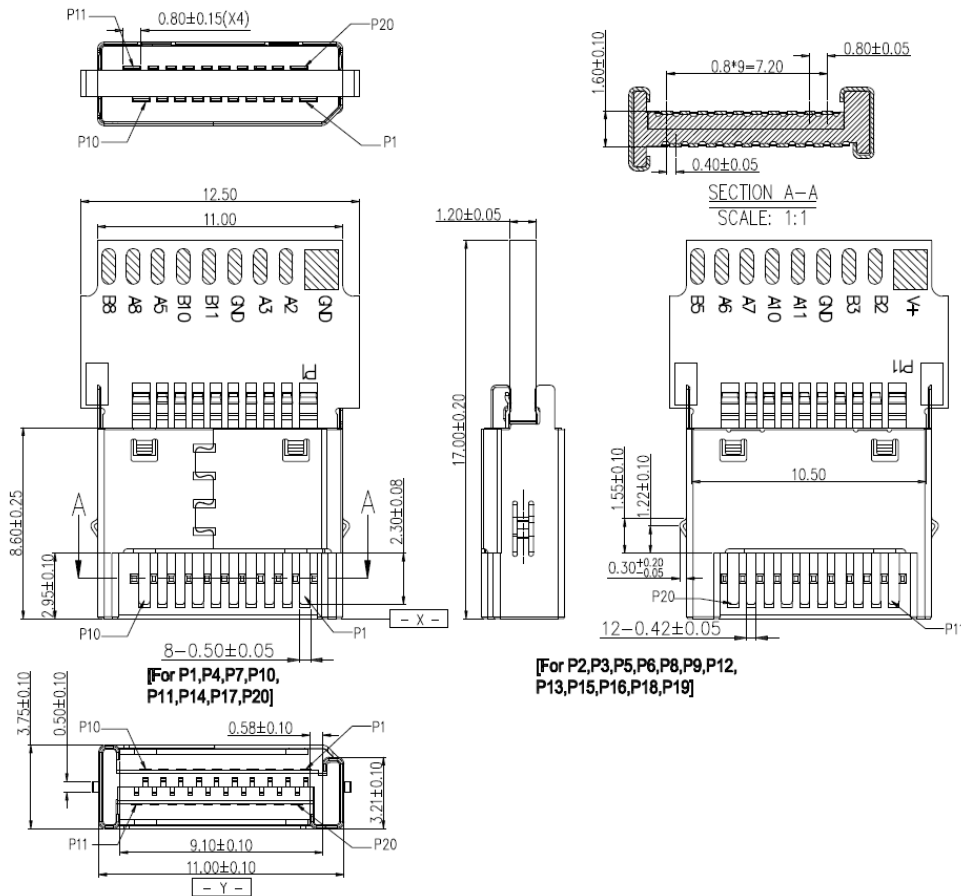
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Model No. [Connector](#)

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

Rev A



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 (或GND+GND1+GND2) | P7, P11 | ————— | V4(或VUBS) |

Wiring Instructions

| | |
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Image Not Available

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- 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

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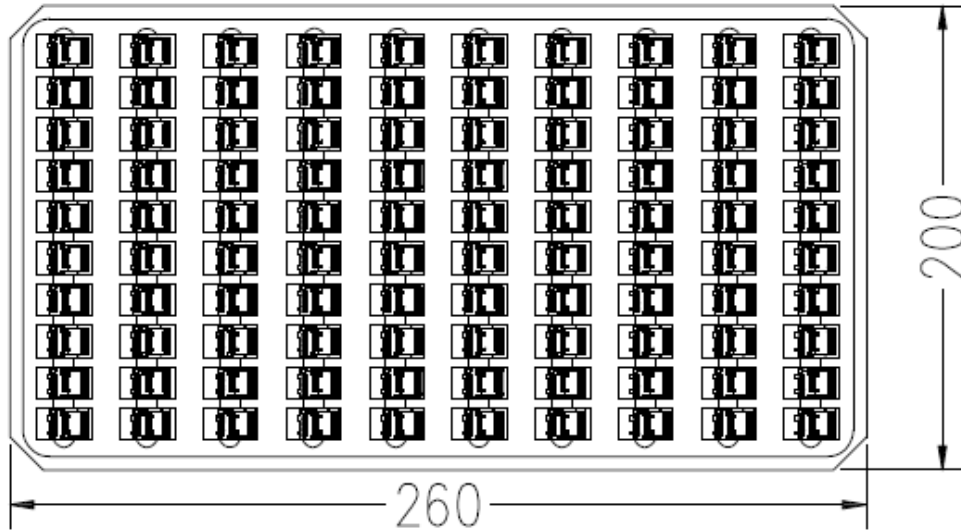
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Rev A

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

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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 (m³): 0.03

Master GW (Kg): kg

wt Ea. (Kg): kg

wt Ea. (Kg): kg

LABEL SPECS: _____ , _____

PACK SPEC: _____