

GlobTek, Inc. www.globtek.com 186 Veterans Drive, Northvale, NJ 07647 Tel. (201) 784-1000 Fax (201) 784-0111	Drawing Title: Parts List and Assembly Instructions for Power Din Plug, 3P / 4P, Snap and Lock, Black / White, supplied in kit, ready to assemble, 3P/ 4P Position Circular Connector Plug, Male Pins Solder	
	Model No. High Power DC Connectors	
	Part No./Ordering No. PWRDINCONNECTOR_ASSEMBLY INSTRUCTIONS	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: _____

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REVISION HISTORY

REV	DESCRIPTION	SUB	DATE	APPROVED
A	Initial release	jmani	07/09/2022	JANICE

AGENCY ONLINE DOCUMENTS

RoHS/RoHS3 Declaration https://www.globtek.com/pdf/rohs_cert/01t3a000005LccVAAS

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.

Introduction:

The snap and lock Power DIN connector features the DIN standard connection to electronic devices for signal and power delivery, with a locking mechanism for secured connection yet easy detachment. This specific connector is available in 3 pin and 4 pin configurations, supplied in a ready-to-assemble kit. Some advantages of assembled connectors include options for exact cable length demands, as reserved stock in customized cordsets, and can be incorporated in complex setups such as with multiple output requirements. This assembly instruction is provided for sequential and proper guidance to ensure finished connector is operating within intended usage and specs limits.

Description and Specification:

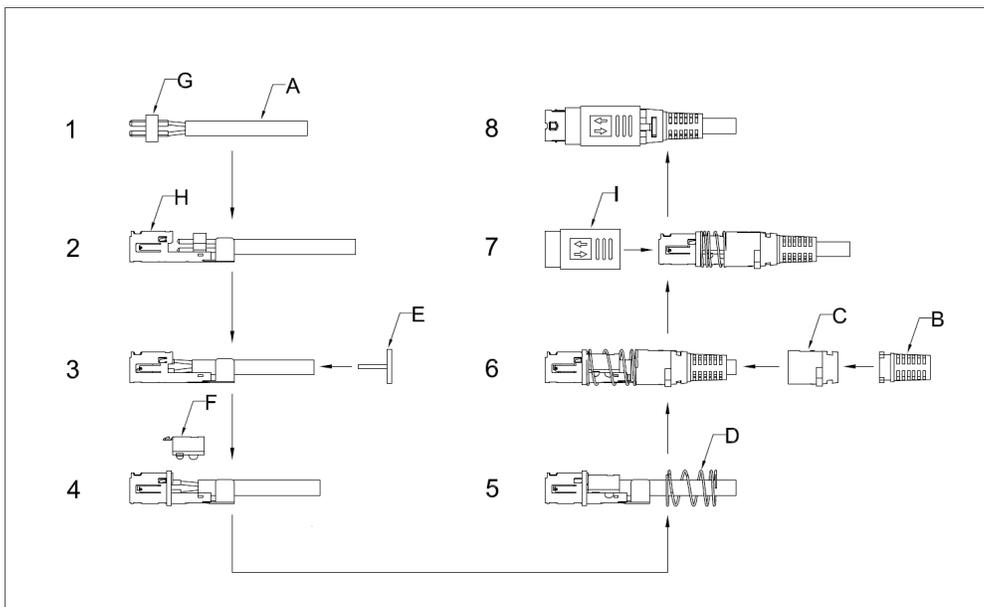
DESCRIPTION/ SPECIFICATION	Power DIN Connector	
	<i>3 Pin</i>	<i>4 Pin</i>
Product Part Number	GTPWRDIN3LB ; GTPWRDIN3LW	GTPWRDIN4LB ; GTPWRDIN4LW
Standard connector codes	DIN 41524 ; IEC/DIN EN 60130-9 type IEC-01 ; IEC/DIN EN 60130-9 type IEC-02: three-pin ; 90°; 180°	four-pin ; 72° ; 216°
Current & Voltage Limits *	Pin1: 1+2: 7.5A max/54VDC Max ; Pin3 : 1.0A max/54VDC	Pin 1, 2, 3, 4 : 7.5Amax/54VDC
Wire size limits	Pin 1: Signal wire designed for AWG24 max wire ; Pin 2+3 contacts designed for AWG18 max wire	contacts designed for AWG18 max wire
Mates with	KPJX-3S-S ; KPJXHT-3S-S ; KPJXHT-3S ; KMDGX-3S-AS ; KMDGX-3S-N ; KMDGX-3S-BS ; KPJX-PM-3S ; KPJX-CM-3S ; KPJX-PM-3S-S ; KPJX-3S	KPJX-CM-4S ; KPJX-PM-4S ; KPJXHT-4S ; KPJX-4S ; KPJX-PM-4S-S ; KPJXHT-4S-S ; PD-40VS ; PD-40V ; PD-40 ; PD-40S

*NOTE : * Refer to the product datasheets for other electrical specifications*

PROPRIETARY INFORMATION

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Drawing and Parts List:



A - Customer Cable	D - Coil Spring	G - Pin Mold
B - Strain Relief	E - Plastic Ring	H - Lower Metal Shell
C - Plastic Housing	F - Top Metal Cover	I - Forward Housing

Assembly Instructions:

1. Connect Pin Mold (G) by soldering each pin on corresponding wires of the Customer Cable (A).
2. Match up the grooves on the Pin Mold (G) with Lower Metal Shell (H) for proper alignment. The slotted sections on the sides of the Pin Mold (G) must line up with the slotted cut-outs on the Lower Metal Shell (H) and the 3 concave indents around the perimeter of the Pin Mold (G) must line up with the 3 metal tabs inside the Lower Metal Shell (H). Push Pin Mold (G) forward into the Lower Metal Shell (H). The Lower Metal Shell (H) should snap down to the grooves of the Pin Mold (G) and will hear it click once placed correctly. Once snapped in place, manually press the 3 metal tabs on the Lower Metal Shell (H) into the concave indents in the Pin Mold (G). Crimp 'U' section of Lower Metal Shell (H) around Customer Cable (A).
3. Fit Plastic Ring (E) into Lower Metal Shell (H) so that the plastic guides line up properly with the grooves.
4. Attach Top Metal Cover (F) onto Lower Metal Shell (H). Aligning all tabs and slots before fastening.
5. Push Coil Spring (D) onto the Top Metal Cover (F)/Lower Metal Shell (H) assembly to hold the completed assembly in place.

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6. Assemble the Strain Relief (B) and Plastic Housing (C), then connect onto the Top Metal Cover (F)/Lower Metal Shell (H) assembly by pushing in place, with all notches lined up. The Coil Spring (D) must remain in place and will not go underneath either the Plastic Housing (C) or the Plastic Ring (E) or twist during assembly. Exert enough force to securely lock the two assemblies together. Inspect the connection of the Strain Relief (B)/Plastic Housing (C) assembly and the Top Metal Cover (F)/Lower Metal Shell (H) assembly. The two assemblies should not detach when pulled apart.
7. Take the Forward Housing (I) and completed assembly, and push together until it snaps into place. Slide forward housing back and forth to insure the connector is assembled properly.
8. Connector is completely assembled.