



HARNESS PRODUCTION DEPARTMENT



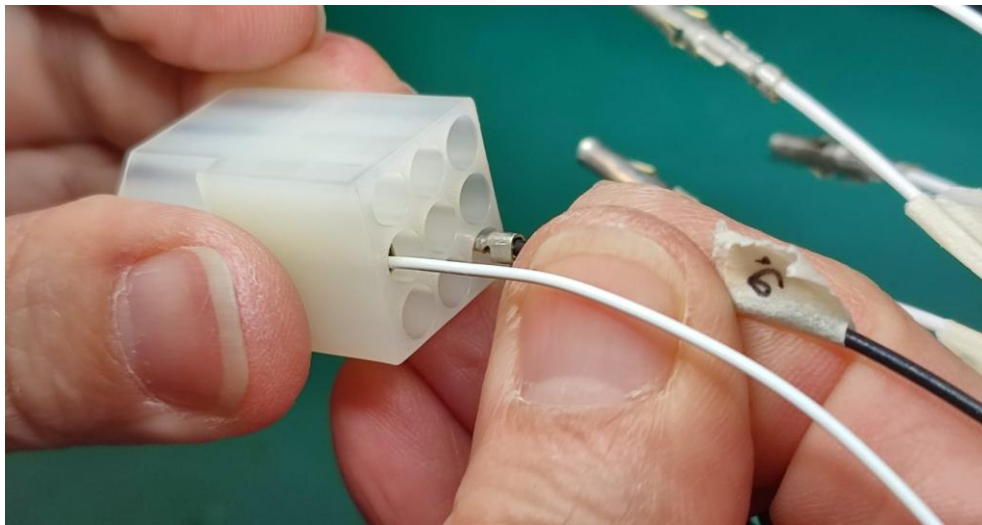
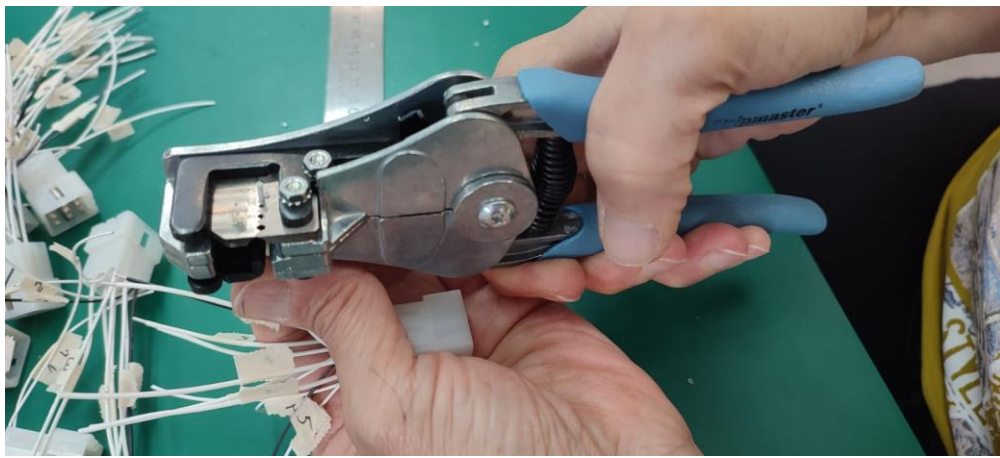
IKT ELECTRONICS LTD

- Experienced provider of custom harness assemblies
 - *Custom wire harness production for various applications*
 - *Prototyping, small-batch, and large-scale manufacturing*
 - *Support for complex multi-branch harnesses*
 - *Drawing design & adaptation to client specifications*
- Focused on quality, reliability, and client satisfaction
 - *Comprehensive in-process and final inspections to ensure product integrity*
 - *Complete traceability and controlled documentation throughout the production lifecycle*
 - *Compliance with IPC/WHMA-A-620*



• Production Process Overview

- *Wire preparation: precision cutting and stripping*
- *Termination: crimping, soldering and connector installation*
- *Harness layout, bundling, sleeving and routing per design drawings*
- *Labeling, sealing and packaging according to customer requirements*



- Process Control and Documentation

- *Manufacturing process are conducted in accordance with documented work instructions and procedures*
- *Every production batch has a Routing Card that includes: operations, required tools, and quality checkpoints*
- *Ensures standardization, traceability, and process consistency across all production batches*

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INTERNAL MATERIAL ISSUE SLIP

(From Harness Department Warehouse to Harness Production)

MIS No: _____

Internal Project Name:	
Customer Project Name:	
Designation:	
Revision:	
Project Manager:	

Line	Part Number	Qty.	Remarks / Notes
1			
2			
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...			

Date Of Transfer	Transferor Name/Signature	Recipient Name/Signature



IKT
ELECTRONICS
MANUFACTURING SERVICES

ROUTING CARD-DRAWER

Project Manager:

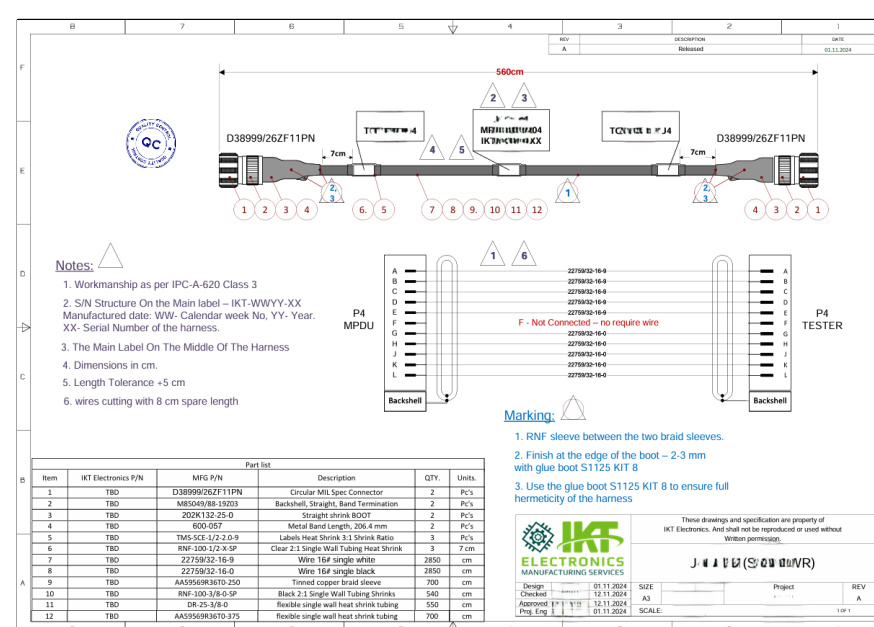
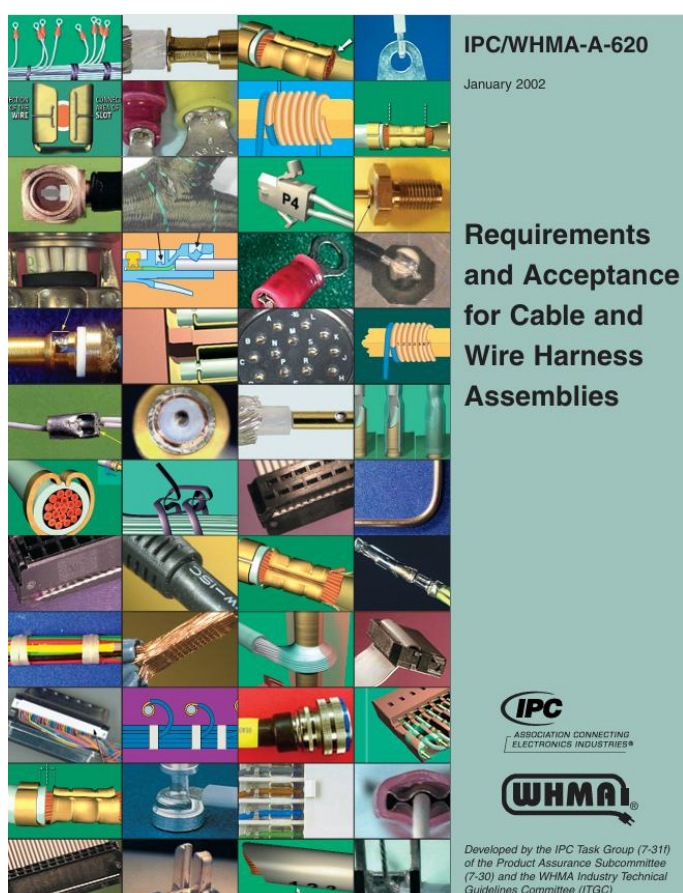
Internal Project Name:

Customer:	Project:	Designation:	Revision:

Wireman Name:	Approximate work Hours:	Start Date:	Finish Date:

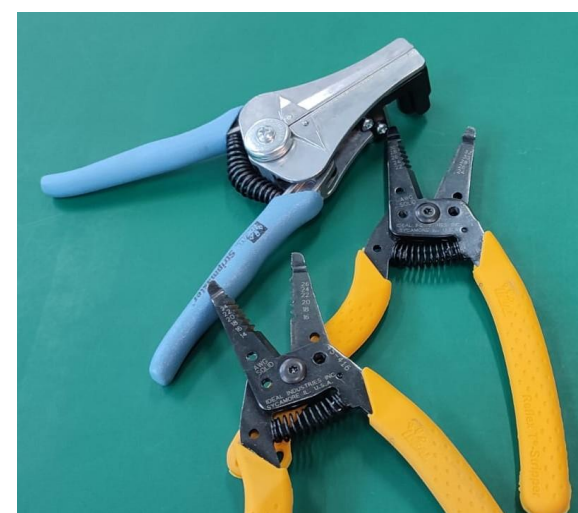
MIS №: _____

Action	Operator	Inspector	Date	Procedure
APPROVAL FOR ASSEMBLY	Project Manager	N/A		IKT PROCEDURE
KIT PREPARATION	Warehouse	Wireman		IKT PROCEDURE
PRIMARY MECHANICAL ASSEMBLY	Mechanical team	QC team		IPC-620-E, CH 3, 17, IKT PROCEDURE
WIRES CUTTING	Wireman	QC team		IPC-620-E, CH3&11, IKT PROCEDURE
SOLDERING	Wireman	QC team		IPC-620-E, CH 4, 5, 13 IKT PROCEDURE
LABEL PRINTING & INSPECTION	Wireman	QC team		IPC-620-E, CH 12, IKT PROCEDURE
FOD + VISUAL INSPECTION	Wireman	QC team		IPC-620-E, CH 19 IKT PROCEDURE
CONTINUITY TEST-QC	QC team	QC Engineer		IPC-620-E, CH 1, 4, IKT PROCEDURE
CLOSURES	Mechanical team	Project Manager		IPC-620-E, IKT PROCEDURE
QC INSPECTION	QC team	QC Engineer		IKT PROCEDURE
ELECTRICAL TEST	Certified electrician	Project Manager		IKT PROCEDURE
ELECTRICAL INTEGRATION	Integration team	Project Manager		IKT PROCEDURE
SOFTWARE BURN IN	Integration team	Project Manager		IKT PROCEDURE
POST INTEGRATION CHANGES & CLOSURES	Wireman	QC Engineer		IKT PROCEDURE
FINAL MECHANICAL ASSEMBLY	Mechanical team	QC Engineer		IPC-620-E, CH 3, 17, IKT PROCEDURE
NAMEPLATE	Mechanical team	Project Manager		IKT PROCEDURE
FINAL_QC	QC team	QC Engineer		IPC-620-E, CH 1, 4, IKT PROCEDURE
CUSTOMER INSPECTION	Project Manager	x _____		IKT PROCEDURE
PRODUCT PHOTO	Project Manager	N/A		IKT PROCEDURE
PACKING	Warehouse	Project Manager		IKT PROCEDURE



• Tools & Equipment

- *Automated and semi-automated wire processing machines*
- *Calibrated crimping, soldering, and stripping tools*
- *Electrical test equipment for continuity and insulation testing*
- *Thermal Transfer Printers for Heat-Shrink Tube Label Identification*



• Materials and Components Used in Manufacturing

- *All materials are sourced from approved and certified suppliers*
- *Wires, connectors, terminals, heat-shrink tubing, and sleeving comply with industry and customer specifications*
- *Use of RoHS-compliant and MIL-spec components where applicable*
- *Material traceability is ensured through labeling and storage controls*
- *Periodical material inspection and shelf-life monitoring procedures*



Amphenol



● Warehouse Management and Material Handling

- *Climate-controlled warehouse for MSL components control*
- *Barcode scanning system for inventory tracking and traceability*
- *First-In, First-Out (FIFO) method for material management*
- *Segregated storage for incoming, outcoming, and rejected items*
- *Periodic stock audits and shelf-life monitoring to ensure the industry standards and requirements*



• Quality Assurance

- Strong compliance to IPC/WHMA-A-620 Class 3 workmanship standards
- Comprehensive in-process and final visual inspections
- Completed traceability with controlled documentation and recordkeeping
- Regular training and certification of personnel to maintain quality compliance



- CERTIFICATE**

**Management system as per
EN ISO 9001:2015**

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

**LIMITED LIABILITY COMPANY «IKT
ELECTRONICS»**
9, Nestor Abadjiev Blvd.
Plovdiv
4023, Bulgaria

applies a management system in line with the above standard for the
following scope

Contract electronics manufacturing

Certificate Registration No. 20100223015081 / 01

Valid until: 2027-08-12
Initial certification: 2021-08-13

Noraf

Certification Body
at TÜV AUSTRIA GMBH

Vienna, 2024-04-09

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification
procedures and is subject to regular surveillance audits. The certificate is valid in conjunction with the
main-certificate.

TÜV AUSTRIA GMBH Deutschstraße 10 A-1230 Wien www.tuv.at

TÜV AUSTRIA

Online Verification

www.tuv.at/certcheck



John Smith

having successfully completed the Application Specialist course of study on

IPC/WHMA-A-620

**Requirements and Acceptance for Cable
and Wire Harness Assemblies**

is hereby designated

Certified IPC Specialist

Serial No. A620DS-25032334471

This certificate is your official notification of meeting all the necessary requirements in the mandatory module and designation of Certified IPC Specialist (CIS) in the industry developed and approved IPC/WHMA-A-620 Training and Certification Program. You may now use the CIS designation on letterhead, business cards, and all forms of address.

March 23rd, 2025

Date of Completion of Mandatory Module

Victoriya Safra

IPC/WHMA-A-620 Certified IPC Trainer

March 2027

Certification Expiration Month/Year of All Modules
Regardless of Training Completion Date

Bitmine Ltd (KTI)

CIT's Company/Employer

Knowledge and Workmanship Modules

Certification dates below indicate successful completion of the required general knowledge module(s) and successful completion of each applicable workmanship skills/inspection module(s).
Certification has not been accomplished in any module content that indicates not completed.

MODULES	DATE OF COMPLETION	WORKMANSHIP
1. General content, applicable documents	23 March 2025	H1 Not Completed
2. Crimping and Insulation Displacement	23 March 2025	H2 Not Completed
3. Soldered Terminations and High Voltage	23 March 2025	H3 Not Completed
4. Connectorization, Molding and Potting	23 March 2025	H4 Not Completed
5. Ultrasonic Welding and Splices	23 March 2025	H5 Not Completed
6. Marking, Securing and Shielding	23 March 2025	N/A
7. Coaxial and Biaxial Cable Assemblies	23 March 2025	H6 Not Completed
8. Harness, Shielding, Protective Coverings	23 March 2025	N/A

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- Our Customers & Partnerships

- *Trusted by industry leaders who demand the highest standards in quality, compliance, and performance, we build long-term partnerships with clients based on technical expertise, responsiveness, and consistent product quality.*



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