



CABLE & CONNECTOR CATALOGUE

JOIN TEK CORPORATION CO., LTD

CABLE &
CONNECTOR
SOLUTION FOR
LIGHT ELECTRIC
VEHICLES

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LTD

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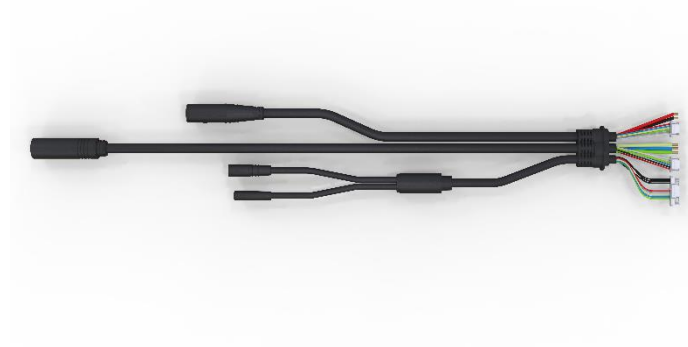
Cable Assembly

Overview

High capacity and outstanding quality are essential attributes for cable assemblies in the automotive sector. Consider partnering with Tek and benefit from our comprehensive services, certified under IATF 16949 standards. With a wealth of experience and manufacturing prowess, we are well-equipped to deliver wire harnesses and cable assemblies, spanning from straightforward jumpers to intricate, top-tier harnesses designed for automotive systems.

Our cable assemblies seamlessly integrate cutting-edge industry advancements in high-speed data transfer to meet the demands of the latest systems and applications.

Moreover, our extensive range of cable connectors and accessories can be seamlessly integrated into our cable assemblies, offering a holistic and fully customized solution.



Cable Assembly

Overview

Cable assemblies play a pivotal role in ensuring dependable connections across diverse industries. Leveraging our extensive proficiency in design, manufacturing, and testing across various cable and wire harness technologies, coupled with our globally integrated supply chain capabilities, Join Tek empowers customers to streamline production timelines, enhance quality optimization, and minimize the necessity for costly tooling investments.



Cable Assembly for Automobile

Overview-IATF 16949 Certified

Join Tek specializes in the automotive industry, delivering superior cable assemblies for various automotive module and system components. Our expertise in over-molded technology ensures robust connectivity, withstanding harsh environments through wide-ranging temperature resistance.

Feature

1. Specialized in cable assembly of ADAS System (Advanced driver-assistance systems)
2. Wide Range of temperature resistance
3. Comply to requirements of IPC-A-620 to have secured terminals
4. High-tech Glue dispensing
5. Sophisticated soldering technique
6. Complex wireharness assembly



Cable Assembly for Automobile

Application

Join Tek specializes in the automotive industry, delivering superior cable assemblies for various automotive module and system components. Our expertise in over-molded technology ensures robust connectivity, withstanding harsh environments through wide-ranging temperature resistance.

Feature

1. Automotive ADAS System
2. Automotive Lighting system
3. Automotive Rearview mirror
4. Automotive Cooling fan System
5. IVI system Power Seat System

Technique

1. Reliable Soldering technique
2. Water-proof air-tight test
3. Glue Dispensing
4. Pulling force test between terminal, wire and housing
5. High-tech over-molded technique



Cable Assembly for Energy Storage

Overview

It's essential to note that solar and wind power constitute only a fraction of the renewable energy projects globally, alongside energy storage systems and electric vehicle charging stations. The merits of renewable energy encompass reduced greenhouse gas emissions and minimized air pollution. The reliability of cable systems within renewable energy contexts becomes crucial, as disruptions to solar or wind power systems result in permanent energy loss. This consideration underscores the importance of choosing suitable cable assemblies. Renewable energy cable assemblies offer pre-tested convenience, streamlining system assembly versus manual wiring. This reduces installation time, labor costs, and troubleshooting expenses. Post-installation, they safeguard cables with protective sheathing and thoughtful routing, while organized design optimizes space and aids technicians during maintenance and upgrades. This article is dedicated to exploring cable assemblies deployed in renewable energy installations.

Feature

1. Diverse Energy Installations: Designed for solar panels, wind turbines, electric vehicle charging stations, and energy storage systems.
2. Streamlined Assembly: Pre-tested and ready for easy integration, reducing installation time and labor costs.
3. Durability in Harsh Environments: Shields against elements like direct sunlight, temperature variation, moisture, and dust.
4. Optimized Space Utilization: Efficient design includes connectors, bundled cables, and systematic routing, saving space.
5. Reliable Performance: Ensures uninterrupted energy transfer, vital as shutdowns result in energy loss.
6. Rigorous Testing: Meets IPC/WHMA-A-620 standard, encompassing insulation, crimps, connector installation, and more..



Cable Assembly for Energy Storage

Application

1. Energy Storage System
2. Solar Power
3. Wind Power
4. Electrical Charging Station



Cable Assembly for LEV

Overview

In today's world, the LEV industries, encompassing ebikes, e-scooters, cargo bikes, and more, demand compact and dependable cable solutions due to their advanced electric systems, which transform traditional bikes into internet-connected electronic devices. Cables play a crucial role as ebikes must endure high temperatures and harsh environments, necessitating water ingress protection. Join Tek specializes in providing high-quality and reliable solutions for all ebike designers.

Feature

1. Customized options are available for connection diagrams and strain reliefs.
2. Easily installable connector system
3. Environment protection IP66 and IP67 All connectors also available with gold-flash plated contacts for higher conductivity
4. Shield reliable Quick and secure connection
5. Compact, reliable, and environmentally protected



Cable Assembly for LEV

Application

1. LEV Controller
2. LEV Trottle
3. LEV Battery
4. LEV illumination



Water-proof Connector

Overview

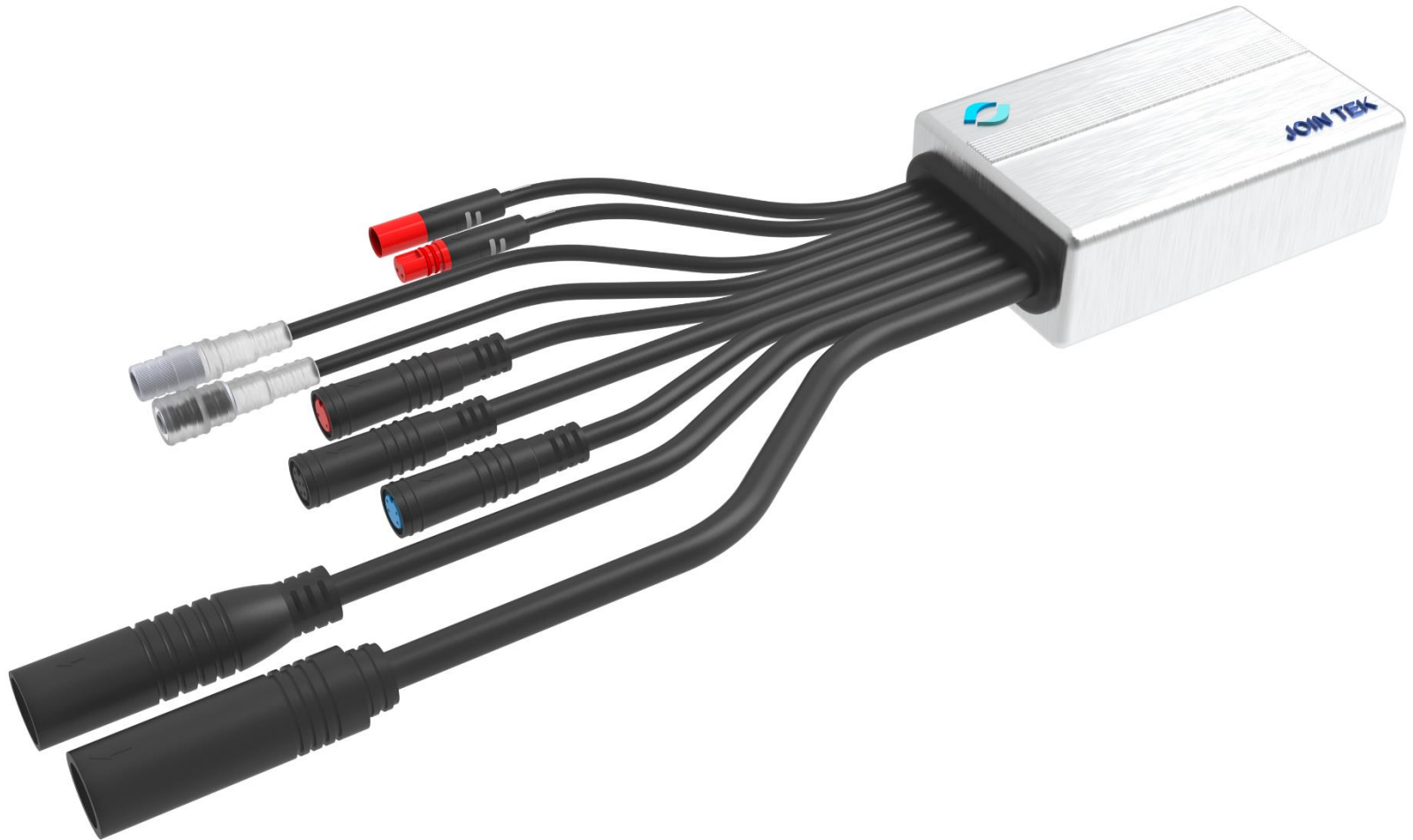
Join Tek offers an extensive selection of waterproof connectors, ensuring applications remain stable even in extreme conditions such as rain or snow. Many of our products undergo a rigorous airtight test, guaranteeing an IP67 rating. Our smart designs result in smaller, lighter connectors that facilitate cable placement within confined spaces for device designers. We are committed to enhancing and refining all connectors available in the market, contributing to a smarter and greener world.









Water-Proof Connector
Signal Connector





Water-Proof Connector-Signal Connector



Water-proof Connector-Signal Connector

Product Name	M5 Screw Lock	M5 Mounting Type	JT-Beetle	JT-Flex
Image				
Contacts	2-4 Pins	2-4 Pins	2-7 Pins	2-7 Pins
Mating Type	Screw Lock	Screw Lock	Snap-In	Snap-In
Rated Current	1 Amps	1 Amps	3 Amps	3 Amps
Rated Voltage	48V	48V	48V	48V
Insulation Resistance	$\geq 20M\Omega$	$\geq 20M\Omega$	$\geq 20M\Omega$	$\geq 20M\Omega$
Contact Resistance	$\leq 10m\Omega$	$\leq 10m\Omega$	$\leq 10m\Omega$	$\leq 10m\Omega$
Durability Repeated	200 Cycle	200 Cycle	200 Cycle	200 Cycle
Ingress Protection	IP 67	IP 67	IP 67	IP 67
Temperature Range	-40°C~85°C	-40°C~85°C	-40°C~80°C	-40°C~80°C
Page	17	19	21	23

Water-proof Connector-Signal Connector

Product Name	JT-06	JT-07	JT-08	JT-12
Image				
Contacts	2-6 Pins	2-6 Pins	2-6 Pins	8 Pins
Mating Type	Snap-In	Snap-In	Snap-In	Screw Lock
Rated Current	2 Amps	2 Amps	2 Amps	2.5 Amps
Rated Voltage	110V	110V	110V	60 V
Insulation Resistance	$\geq 20M\Omega$	$\geq 20M\Omega$	$\geq 20M\Omega$	$\geq 20M\Omega$
Contact Resistance	$\leq 10m\Omega$	$\leq 10m\Omega$	$\leq 10m\Omega$	$\leq 10m\Omega$
Durability Repeated	200 Cycle	200 Cycle	200 Cycle	200 Cycle
Ingress Protection	IP 66	IP 66	IP 66	IP 67
Temperature Range	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C
Page	25	27	29	31

M5 Screw Lock

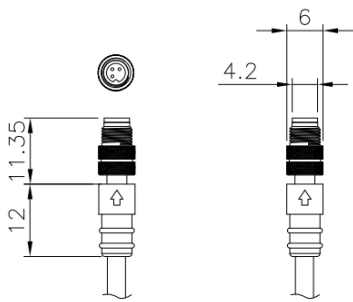
Overview

JT-M5 Connectors are widely trusted across various applications, including LEV, Industrial, Marine, and Test Machines. Our M5 Screw-Lock connectors offer a smart and robust solution for harsh environments. These connectors undergo rigorous airtight and 96-hour spray salt testing, ensuring reliable signal transmission and top-notch environmental protection.

Feature

1. M5 connector easily installable connector system
2. Environment protection IP67
3. Light weight
4. M5 connector Airtight Tested
5. 96 hours spray salt tested
6. M5 connector also available with gold-flash plated contacts for higher conductivity
7. M5 connector Lock Shield reliable
8. Quick and secure connection
9. Compact, reliable, and environmentally protected connection system





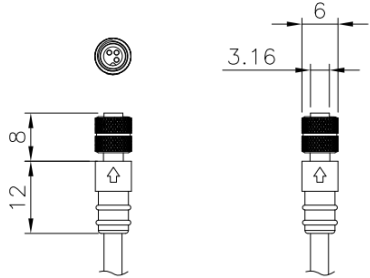
Product name	Part No
M5 lock screw waterproof male connector 2P	JTWP-M002-5110
M5 lock screw waterproof male connector 3P	JTWP-M003-5110
M5 lock screw waterproof male connector 4P	JTWP-M004-5110

1. Material:
 Rubber core: TPU plus 20%
 Terminal: Brass
 Screws: Brass
 Nut: Brass
2. Surface and interior
 Male terminal: full gold-plated glod flash
 Receptacle: gold-plated tin glod flash

PIN	2P	3P	4P
Front view	2 Black 1 Red	2 Green 3 Black 1 Red	3 Black 4 White 2 Green 1 Red
Rubber core color	Black	Black	Black

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK CORPORATION CO., LTD.	
LINEAR	ANGLE	UNIT	SHEET VER.
.X ± 0.30	X° ± 5°	UNIT	1/1
.XX ± 0.20	X° ± 2°	UNIT	1/1
.XXX ± 0.10	X° ± 1°	UNIT	1/1
日期	2023.09.04	名稱	M5 Waterproof Connector male 2-4PIN
審核	jason	料號	JTWP-MXXX-5110
REV	設計內容 MODIFICATION	修改 CHANGE	核准 APPROVED
	製圖	製圖	製圖
	jackie		jackie
		料號	JTWP-MXXX-5110

Note:
1. Electrical Performance
 1.1 Rated current : 1 A
 1.2 Rated Voltage : 48V
 1.3 Insulation resistance : $\geq 20M\Omega$
 1.4 Contact resistance : $\leq 10m\Omega$
2. Mechanical Performance
 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
3. Environmental Performance
 3.1 Ingress Protection : IP67
 3.2 Temperature Range - Operating : -40°C ~ +105°C
4. Material
 4.1 CABLE: 28-30AWG
 4.2 SR: Black PVC



Product name	Part No
M5 lock screw waterproof female connector 2P	JTWP-F002-5110
M5 lock screw waterproof female connector 3P	JTWP-F003-5110
M5 lock screw waterproof female connector 4P	JTWP-F004-5110

1. Material:
 Rubber core: TPU plus 20%
 Terminal: Brass
 Screws: Brass
 Nut: Brass
2. Surface and interior
 Male terminal: full gold-plated glod flash
 Receptacle: gold-plated tin glod flash

PIN	2P	3P	4P
Front view	2 Black 1 Red	3 Black 2 Green 1 Red	4 White 3 Black 1 Red 2 Green
Rubber core color	Black	Black	Black

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK CORPORATION CO., LTD.	
LINEAR	ANGLE	UNIT	SHEET VER.
.X ± 0.30	X° ± 5°	UNIT	1/1
.XX ± 0.20	X° ± 2°	UNIT	1/1
.XXX ± 0.10	X° ± 1°	UNIT	1/1
日期	2023.09.04	名稱	M5 Waterproof Connector Female 2-4PIN
審核	jason	料號	JTWP-FXXX-5110
REV	設計內容 MODIFICATION	修改 CHANGE	核准 APPROVED
	製圖	製圖	製圖
	jackie		jackie
		料號	JTWP-FXXX-5110

Note:
1. Electrical Performance
 1.1 Rated current : 1 A
 1.2 Rated Voltage : 48V
 1.3 Insulation resistance : $\geq 20M\Omega$
 1.4 Contact resistance : $\leq 10m\Omega$
2. Mechanical Performance
 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
3. Environmental Performance
 3.1 Ingress Protection : IP67
 3.2 Temperature Range - Operating : -40°C ~ +105°C
4. Material
 4.1 CABLE: 28-30AWG
 4.2 SR: Black PVC

M5 Connector Mounting Type

Overview

JT-M5 Connectors are widely trusted across various applications, including LEV, Industrial, Marine, and Test Machines. Our M5 Screw-Lock connectors offer a smart and robust solution for harsh environments. These connectors undergo rigorous airtight and 96-hour spray salt testing, ensuring reliable signal transmission and top-notch environmental protection. Count on JT-08 Connectors for unmatched performance and durability in demanding conditions.

Feature

1. M5 connector easily installable connector system
2. Environment protection IP67
3. Light weight
4. M5 connector Airtight Tested
5. 96 hours spray salt tested
6. M5 connector also available with gold-flash plated contacts for higher conductivity
7. M5 connector Lock Shield reliable
8. Quick and secure connection



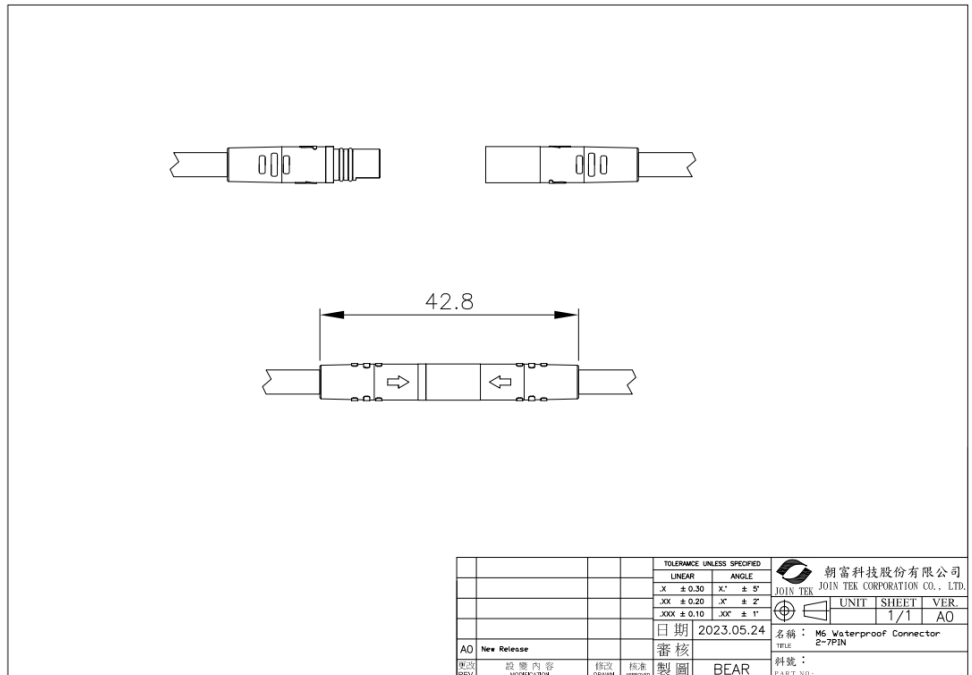
JT-Beetle signal Connector

Overview

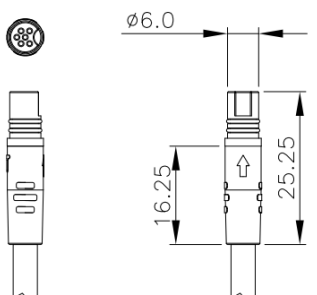
JT-Beetle connectors are highly regarded and utilized in various applications, such as LEV, Industrial, Marine, and Test Machines. These plug connectors boast a sleek and smart design, facilitating easy assembly. Despite their compact size, JT-Beetle connectors ensure dependable signal transmission, making them an ideal choice for lighting and tiny connectivity solutions. Their reliability and versatility make them a trusted solution in diverse industries.

Feature

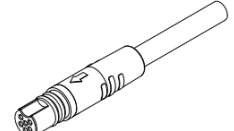
1. 7 Pin Available
2. JT Beetle easily installable direct plug-in connector for signal transmission
3. Environment protection IP67
4. Easy installation with advance poka-yoke system
5. Light weight
6. JT Beetle also available with gold-flash plated contacts for higher conductivity
7. Quick and secure connection
8. Compact, reliable, and environmentally protected connection system
9. UL 94V-0 flammability rating



Product Name	Part No.
WaterProof M6 Female 2P	JTWP-F202-6S110
WaterProof M6 Female 3P	JTWP-F303-6S110
WaterProof M6 Female 4P	JTWP-F604-6S110
WaterProof M6 Female 5P	JTWP-F505-6S110
WaterProof M6 Female 6P	JTWP-F006-6S110



1. Material:
Housing: PBT+15%GF
Terminal: Brass, Gold



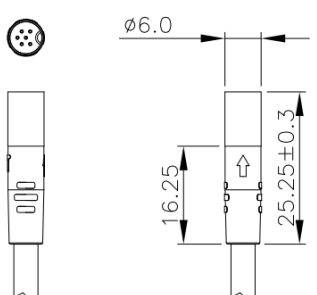
PIN	2P	3P	4P	5P	6P
	1 WT 2 BK	1 BL 3 GN 2 BK	1 PL 4 OR 2 PK 3 GR	1 PL 5 OR 2 PK 3 YL	1 RD 6 BR 2 BK 3 BL
COLOR	RED	ORANGE	BLUE	GREEN	BLOCK

Note:

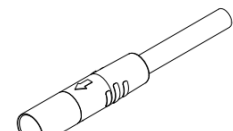
- Electrical Performance
 - 1.1 Rated current :2.0 ~ 3.0 A
 - 1.2 Rated Voltage : 48V
 - 1.3 Insulation resistance : ≥20MΩ
 - 1.4 Contact resistance : ≤10mΩ
- Mechanical Performance
 - 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
- Environmental Performance
 - 3.1 Ingress Protection : IP67
 - 3.2 Temperature Range - Operating : -40°C ~ +80°C
- Material
 - 4.1 CABLE: 28-26AWG
 - 4.2 SR: Black PVC

TOLERANCE UNLESS SPECIFIED		UNIT	SHEET	VER.
LINEAR	ANGLE			
X ± 0.30	X' ± 5°		1/1	AO
XX ± 0.20	X" ± 2°			
XXX ± 0.10	XXX' ± 1°			
日期 2022.08.16		名稱: M6 Waterproof Connector Female 2-6PIN		
製圖 BEAR		料號: JTWP-FXXX-6S110		

Product Name	Part No.
WaterProof M6 Male 2P	JTWP-M202-6S110
WaterProof M6 Male 3P	JTWP-M303-6S110
WaterProof M6 Male 4P	JTWP-M604-6S110
WaterProof M6 Male 5P	JTWP-M505-6S110
WaterProof M6 Male 6P	JTWP-M006-6S110



1. Material:
Housing: PBT+15%GF
Terminal: Brass, Gold
Shell: Brass, Nickel



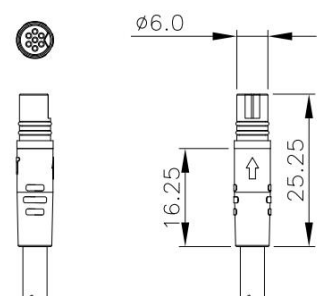
PIN	2P	3P	4P	5P	6P
	2 BK 1 WT	3 GN 1 BL 2 BK	4 OR 1 PL 3 GR 2 PK	5 OR 1 PL 4 GR 2 PK	5 BR 6 OR 1 RD 4 GR 2 BK 3 BL
COLOR	RED	ORANGE	BLUE	GREEN	BLOCK

Note:

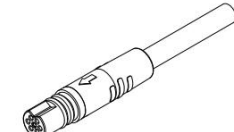
- Electrical Performance
 - 1.1 Rated current :2.0 ~ 3.0 A
 - 1.2 Rated Voltage : 48V
 - 1.3 Insulation resistance : ≥20MΩ
 - 1.4 Contact resistance : ≤10mΩ
- Mechanical Performance
 - 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
- Environmental Performance
 - 3.1 Ingress Protection : IP67
 - 3.2 Temperature Range - Operating : -40°C ~ +80°C
- Material
 - 4.1 CABLE: 28-26AWG
 - 4.2 SR: Black PVC

TOLERANCE UNLESS SPECIFIED		UNIT	SHEET	VER.
LINEAR	ANGLE			
X ± 0.30	X' ± 5°		1/1	AO
XX ± 0.20	X" ± 2°			
XXX ± 0.10	XXX' ± 1°			
日期 2022.08.16		名稱: M6 Waterproof Connector Male 2-6PIN		
製圖 Jason		料號: JTWP-MXXX-6S110		

Product Name	Part No.
WaterProof M6 Female 7P	JTWP-F007-6S110



1. Material:
Housing: PBT+15%GF
Terminal: Brass, Gold



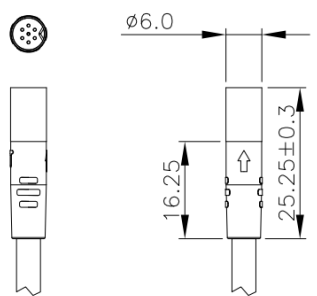
PIN	7P
	1 RD 6 YL 2 BK 5 BR 3 BL 7 WT 4 GN
COLOR	BLACK

Note:

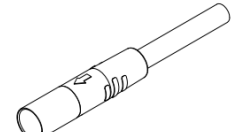
- Electrical Performance
 - 1.1 Rated current :2.0 ~ 3.0 A
 - 1.2 Rated Voltage : 48V
 - 1.3 Insulation resistance : ≥20MΩ
 - 1.4 Contact resistance : ≤10mΩ
- Mechanical Performance
 - 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
- Environmental Performance
 - 3.1 Ingress Protection : IP67
 - 3.2 Temperature Range - Operating : -40°C ~ +80°C
- Material
 - 4.1 CABLE: 28-26AWG
 - 4.2 SR: Black PVC

TOLERANCE UNLESS SPECIFIED		UNIT	SHEET	VER.
LINEAR	ANGLE			
X ± 0.30	X' ± 5°		1/1	AO
XX ± 0.20	X" ± 2°			
XXX ± 0.10	XXX' ± 1°			
日期 2023.05.24		名稱: M6 Waterproof Connector Female 7PIN		
製圖 BEAR		料號: JTWP-FXXX-6S110		

Product Name	Part No.
WaterProof M6 Male 7P	JTWP-M007-6S110



1. Material:
Housing: PBT+15%GF
Terminal: Brass, Gold
Shell: Brass, Nickel



PIN	7P
	6 YL 1 RD 5 BR 2 BK 4 GN 7 WT 3 BL
COLOR	BLACK

Note:

- Electrical Performance
 - 1.1 Rated current :2.0 ~ 3.0 A
 - 1.2 Rated Voltage : 48V
 - 1.3 Insulation resistance : ≥20MΩ
 - 1.4 Contact resistance : ≤10mΩ
- Mechanical Performance
 - 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
- Environmental Performance
 - 3.1 Ingress Protection : IP67
 - 3.2 Temperature Range - Operating : -40°C ~ +80°C
- Material
 - 4.1 CABLE: 28-26AWG
 - 4.2 SR: Black PVC

TOLERANCE UNLESS SPECIFIED		UNIT	SHEET	VER.
LINEAR	ANGLE			
X ± 0.30	X' ± 5°		1/1	AO
XX ± 0.20	X" ± 2°			
XXX ± 0.10	XXX' ± 1°			
日期 2023.05.24		名稱: M6 Waterproof Connector Male 7PIN		
製圖 Jason		料號: JTWP-MXXX-6S110		

JT-Flex Signal Connector

Overview

JT-Flex connectors are highly regarded and utilized in various applications, such as LEV, Industrial, Marine, and Test Machines. These plug connectors boast a sleek and smart design, facilitating easy assembly. Despite their compact size, JT-Flex connectors ensure dependable signal transmission, making them an ideal choice for lighting and tiny connectivity solutions. Their reliability and versatility make them a trusted solution in diverse industries.

Feature

1. JT Flex easily installable Snap-in connector for signal transmission
2. Environment protection IP67
3. Easy installation with advance poka-yoke system
Light weight
4. JT Flex also available with gold-flash plated contacts for higher conductivity
5. Quick and secure connection Compact, reliable, and



Product Name	Part No.
WaterProof M6 Female 2P	JTWP-F202-6S110
WaterProof M6 Female 3P	JTWP-F303-6S110
WaterProof M6 Female 4P	JTWP-F604-6S110
WaterProof M6 Female 5P	JTWP-F505-6S110
WaterProof M6 Female 6P	JTWP-F006-6S110

1. Material:
Housing: PBT+15%GF
Terminal: Brass, Gold

PIN	2P	3P	4P	5P	6P
COLOR	RED	ORANGE	BLUE	GREEN	BLOCK

		TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK JOIN TEK CORPORATION CO., LTD.	
		LINEAR	ANGLE	UNIT	SHEET VER.
		X ± 0.30	X' ± 5'	1/1	AO
		XX ± 0.20	X" ± 2"		
		XXX ± 0.10	XXX' ± 1'		
		日期	2022.08.16	名稱：M6 Waterproof Connector Female 2-6PIN	
		審核		料號：JTWP-FXXX-6S110	
AO New Release		製圖	BEAR	PART NO.	
更改	說明內容	修改	核准		
REV	MODIFICATION	DRAWN	APPROVED		

Note:
1. Electrical Performance
1.1 Rated current :2.0 ~ 3.0 A
1.2 Rated Voltage : 48V
1.3 Insulation resistance : ≥20MΩ
1.4 Contact resistance : ≤10mΩ
2. Mechanical Performance
2.1 Durability Repeated : Insert and withdraw up to 200 cycles
3. Environmental Performance
3.1 Ingress Protection : IP67
3.2 Temperature Range - Operating : -40°C ~ +80°C
4. Material
4.1 CABLE: 28-26AWG
4.2 SR: Black PVC

Product Name	Part No.
WaterProof M6 Male 2P	JTWP-M202-6H110
WaterProof M6 Male 3P	JTWP-M303-6H110
WaterProof M6 Male 4P	JTWP-M604-6H110
WaterProof M6 Male 5P	JTWP-M505-6H110
WaterProof M6 Male 6P	JTWP-M006-6H110

1. Material:
Housing: PA66, 15%GF
Terminal: Brass, Gold

PIN	2P	3P	4P	5P	6P
COLOR	RED	ORANGE	BLUE	GREEN	BLOCK

		TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK JOIN TEK CORPORATION CO., LTD.	
		LINEAR	ANGLE	UNIT	SHEET VER.
		X ± 0.30	X' ± 5'	1/1	A1
		XX ± 0.20	X" ± 2"		
		XXX ± 0.10	XXX' ± 1'		
		日期	2023.08.10	名稱：M6 Waterproof Connector Male 2-6PIN	
		審核		料號：JTWP-MXXX-6H110	
A1 New Release		製圖	JGSON	PART NO.	
更改	說明內容	修改	核准		
REV	MODIFICATION	DRAWN	APPROVED		

Note:
1. Electrical Performance
1.1 Rated current :2.0 ~ 3.0 A
1.2 Rated Voltage : 48V
1.3 Insulation resistance : ≥20MΩ
1.4 Contact resistance : ≤10mΩ
2. Mechanical Performance
2.1 Durability Repeated : Insert and withdraw up to 200 cycles
3. Environmental Performance
3.1 Ingress Protection : IP67
3.2 Temperature Range - Operating : -40°C ~ +80°C
4. Material
4.1 CABLE: 28-26AWG
4.2 SR: Black PVC

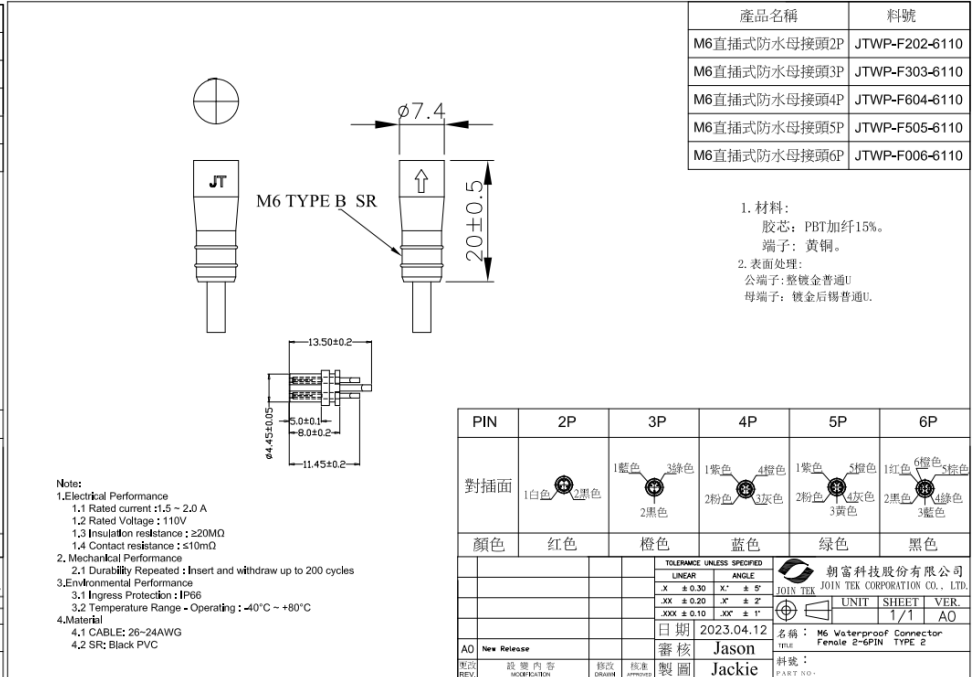
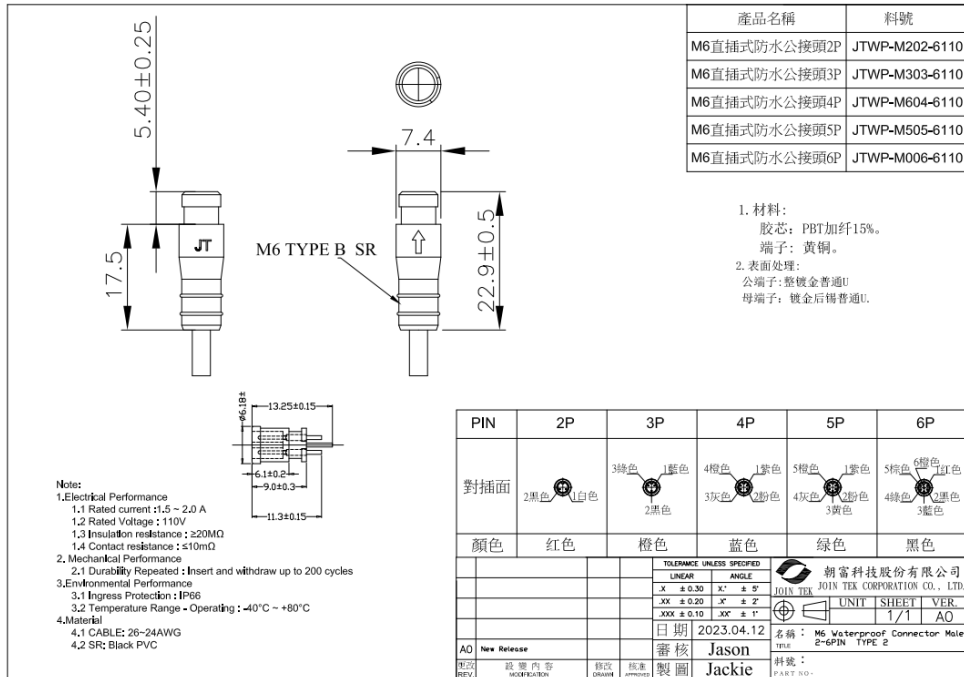
		TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK JOIN TEK CORPORATION CO., LTD.	
		LINEAR	ANGLE	UNIT	SHEET VER.
		X ± 0.30	X' ± 5'	1/1	AO
		XX ± 0.20	X" ± 2"		
		XXX ± 0.10	XXX' ± 1'		
		日期	2023.05.24	名稱：M6 Waterproof Connector 2-7PIN	
		審核		料號：	
AO New Release		製圖	BEAR	PART NO.	
更改	說明內容	修改	核准		
REV	MODIFICATION	DRAWN	APPROVED		

JT-06 M6 Waterproof Connector

Feature

1. Easily installable connector system
2. Shrink SR.
3. Environment protection IP67
4. All connectors also available with gold-flash plated contacts for higher conductivity
5. Shield reliable
6. Quick and secure connection
7. Compact, reliable, and environmentally protected connection system
8. Includes signal and terminated cable assemblies of over-molded construction
9. Compatible with Julet e-bike cable





JT-07 M7 Waterproof Connector

Overview

Introducing our cutting-edge connector system, designed for easy installation and superior performance. With IP66 environmental protection, our connectors ensure robust shielding and reliability in demanding conditions. For enhanced conductivity, all connectors come with gold-flash plated contacts. The quick and secure connection feature guarantees seamless operation, while the compact and over-molded construction ensures reliability and environmental protection. Compatible with Julet e-bike cables, our connector system is the epitome of innovation and efficiency, empowering your applications with unmatched connectivity

Feature

10. Easily installable connector system
11. Environment protection IP66
12. All connectors also available with gold-flash plated contacts for higher conductivity
13. Shield reliable
14. Quick and secure connection
15. Compact, reliable, and environmentally protected connection system
16. Includes signal and terminated cable assemblies of over-molded construction
17. Compatible with Julet e-bike cable



產品名稱	料號
M7直插式防水公接頭2P	JTWP-M202-7110
M7直插式防水公接頭3P	JTWP-M303-7110
M7直插式防水公接頭4P	JTWP-M604-7110
M7直插式防水公接頭5P	JTWP-M505-7110
M7直插式防水公接頭6P	JTWP-M006-7110

1. 材料:
 胶芯: PBT加纤15%。
 端子: 黄铜。

2. 表面处理:
 公端子: 鍍鍍金普通U
 母端子: 鍍金后锡普通U。

Note:

1. Electrical Performance

1.1 Rated current :1.5 ~ 2.0 A

1.2 Rated Voltage : 110V

1.3 Insulation resistance : ≥20MΩ

1.4 Contact resistance : ≤10mΩ

2. Mechanical Performance

2.1 Durability Repeated: Insert and withdraw up to 200 cycles

3. Environmental Performance

3.1 Ingress Protection : IP66

3.2 Temperature Range - Operating : -40°C ~ +80°C

4. Material

4.1 CABLE: 26-24AWG*2C, Black PVC, OD:4.0mm

4.2 SR; Black PVC

PIN	2P	3P	4P	5P	6P
對插面	2黑色	3綠色 1藍色	4棕色 2黑色	5棕色 3黃色	6棕色 1藍色 2黑色
顏色	紅色	橙色	藍色	綠色	黑色

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	UNIT	VER.
X ± 0.30	X' ± 5°	1/1	AO
XX ± 0.20	X' ± 2°		
XXX ± 0.10	XX' ± 1°		
日期	2020.09.21	名稱: M7 Waterproof Connector Male 2-6PIN	
AD New Release	審核	料號: JTWP-Mx0x-7110	
REV	變更內容 MODIFICATION	修改 DRAWN	核准 APPROVED
		製圖	BEAR

產品名稱	料號
M7直插式防水母接頭2P	JTWP-F202-7110
M7直插式防水母接頭3P	JTWP-F303-7110
M7直插式防水母接頭4P	JTWP-F604-7110
M7直插式防水母接頭5P	JTWP-F505-7110
M7直插式防水母接頭6P	JTWP-F006-7110

1. 材料:
 胶芯: PBT加纤15%。
 端子: 黄铜。

2. 表面处理:
 公端子: 鍍鍍金普通U
 母端子: 鍍金后锡普通U。

Note:

1. Electrical Performance

1.1 Rated current :1.5 ~ 2.0 A

1.2 Rated Voltage : 110V

1.3 Insulation resistance : ≥20MΩ

1.4 Contact resistance : ≤10mΩ

2. Mechanical Performance

2.1 Durability Repeated: Insert and withdraw up to 200 cycles

3. Environmental Performance

3.1 Ingress Protection : IP66

3.2 Temperature Range - Operating : -40°C ~ +80°C

4. Material

4.1 CABLE: 26-24AWG*2C, Black PVC, OD:4.0mm

4.2 SR; Black PVC

PIN	2P	3P	4P	5P	6P
對插面	1白色 2黑色	1藍色 2黑色	3綠色 4棕色	1紫色 2棕色 3黃色	1紅色 2黑色 3綠色 4棕色
顏色	紅色	藍色	綠色	黑色	黑色

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	UNIT	VER.
X ± 0.30	X' ± 5°	1/1	AO
XX ± 0.20	X' ± 2°		
XXX ± 0.10	XX' ± 1°		
日期	2020.09.21	名稱: M7 Waterproof Connector Female 2-6PIN	
AD New Release	審核	料號: JTWP-Fx0x-7110	
REV	變更內容 MODIFICATION	修改 DRAWN	核准 APPROVED
		製圖	BEAR

JT-08 M8 Waterproof Connector

Overview

General Standard Connector for E-bike, compatible with multiple brands.

Excellent connectivity solution for LEV for its quick installation in the production line, with intuitive assembly will definitely be a great way to start a E-bike design for all the e-bike designer.

With its reliable performance, they offer a tight, waterproof connection. There are quite a few different types based on the number of pins to provide an intuitive way for the operator in the production line.

Feature

1. M8 Plugin Easily installable connector system
2. M8 Plugin Environment protection IP66
3. All connectors also available with gold-flash plated contacts for higher conductivity
4. Shield reliable
5. Colored by different pins
6. Quick and secure connection
7. M8 Plugin Compact, reliable, and environmentally protected connection system
8. Includes signal and terminated cable assemblies of over-molded construction
9. M8 Plugin RoHS Compliant



	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>PRODUCT</th> <th>PART NO</th> </tr> <tr> <td>M8 Waterproof Male 2P</td> <td>JTWP-M202-0110</td> </tr> <tr> <td>M8 Waterproof Male 3P</td> <td>JTWP-M303-0110</td> </tr> <tr> <td>M8 Waterproof Male 4P</td> <td>JTWP-M604-0110</td> </tr> <tr> <td>M8 Waterproof Male 5P</td> <td>JTWP-M505-0110</td> </tr> <tr> <td>M8 Waterproof Male 6P</td> <td>JTWP-M006-0110</td> </tr> </table>	PRODUCT	PART NO	M8 Waterproof Male 2P	JTWP-M202-0110	M8 Waterproof Male 3P	JTWP-M303-0110	M8 Waterproof Male 4P	JTWP-M604-0110	M8 Waterproof Male 5P	JTWP-M505-0110	M8 Waterproof Male 6P	JTWP-M006-0110																																							
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<p>Dimensions: 33.6±0.5, 28±0.5, 18.3±0.5, 5.6±0.5, 7.85±0.1, 7.85±0.1, 2.0±0.1, 15.00±0.20, 12.00±0.20.</p>	<p>Dimensions: 8.8, 7, 7.</p>																																																			
<p>Note:</p> <p>1. Electrical Performance</p> <p>1.1 Rated current: 1.5 ~ 2.0 A</p> <p>1.2 Rated Voltage: 110V</p> <p>1.3 Insulation resistance: ≥20MΩ</p> <p>1.4 Contact resistance: ≤10mΩ</p> <p>2. Mechanical Performance</p> <p>2.1 Durability Repeated: Insert and withdraw up to 200 cycles</p> <p>3. Environmental Performance</p> <p>3.1 Ingress Protection: IP66</p> <p>3.2 Temperature Range - Operating: -40°C ~ +80°C</p> <p>4. Material</p> <p>4.1 CABLE: 26~24AWG*2C, Black PVC, OD4.0mm</p> <p>4.2 SR: Black PVC</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>PIN</th> <th>2P</th> <th>3P</th> <th>4P</th> <th>5P</th> <th>6P</th> </tr> <tr> <td>SIDE</td> <td>1:Black 2:White</td> <td>1:Green 2:Blue</td> <td>1:Orange 2:Purple</td> <td>1:Orange 2:Purple</td> <td>1:Brown 2:Red</td> </tr> <tr> <td>COLOR</td> <td>Red</td> <td>Orange</td> <td>Blue</td> <td>Green</td> <td>Black</td> </tr> </table>	PIN	2P	3P	4P	5P	6P	SIDE	1:Black 2:White	1:Green 2:Blue	1:Orange 2:Purple	1:Orange 2:Purple	1:Brown 2:Red	COLOR	Red	Orange	Blue	Green	Black	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">TOLERANCE UNLESS SPECIFIED</th> <th colspan="2">UNIT SHEET VER</th> </tr> <tr> <th>LINEAR</th> <th>ANGLE</th> <th>1/1</th> <th>A0</th> </tr> <tr> <td>X ± 0.20</td> <td>X' ± 5'</td> <td></td> <td></td> </tr> <tr> <td>XX ± 0.20</td> <td>X' ± 2'</td> <td></td> <td></td> </tr> <tr> <td>XXX ± 0.10</td> <td>XX' ± 1'</td> <td></td> <td></td> </tr> <tr> <td>日期</td> <td>2020.11.26</td> <td>名稱</td> <td>M8 Waterproof Connector Male 2~6PIN</td> </tr> <tr> <td>審核</td> <td>JASON</td> <td>料號</td> <td>JTWP-Mx0x-0110</td> </tr> <tr> <td>製圖</td> <td>BEAR</td> <td>製圖</td> <td></td> </tr> </table>	TOLERANCE UNLESS SPECIFIED		UNIT SHEET VER		LINEAR	ANGLE	1/1	A0	X ± 0.20	X' ± 5'			XX ± 0.20	X' ± 2'			XXX ± 0.10	XX' ± 1'			日期	2020.11.26	名稱	M8 Waterproof Connector Male 2~6PIN	審核	JASON	料號	JTWP-Mx0x-0110	製圖	BEAR	製圖	
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<p>Dimensions: 34±0.5, 24.8±0.5, 9.2±0.5, 7.1±0.1, 5.85±0.1, 7.1±0.1, 14.80±0.20, 12.00±0.20.</p>	<p>Dimensions: 9, 7.</p>																																																			
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PIN	2P	3P	4P	5P	6P																																															
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製圖	BEAR	製圖																																																		

M10 Snap-In

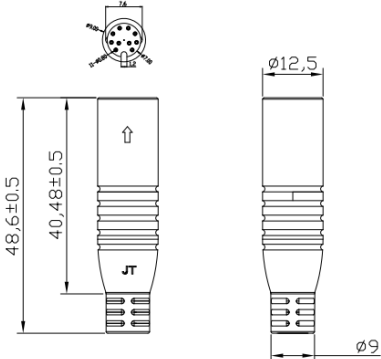
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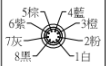
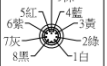
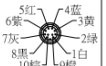

1. Easily installable connector system
2. Environment protection IP66
3. All connectors also available with gold-flash plated contacts for higher conductivity
4. Shield reliable
5. Quick and secure connection
6. Compact, reliable, and environmentally protected connection system
7. Includes signal and terminated cable assemblies of over-molded construction
8. Compatible with Julet e-bike cable



產品名稱	料號
寶馬頭線端母接頭8P	JTWP-BM08-CF02
寶馬頭線端母接頭9P	JTWP-BM09-CF02
寶馬頭線端母接頭10P	JTWP-BM10-CF02
寶馬頭線端母接頭11P	JTWP-BM11-CF02

1. 材料:
 胶芯: PBT
 端子: 黃銅。
 2. 表面處理:
 母端子: 鍍金



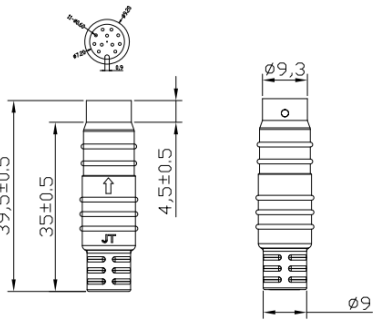
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對插面				

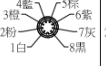
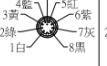
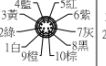
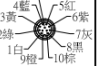
REV	變更內容	修改	核准	日期	審核	製圖	料號	料號
				2020.07.29	JASON	BEAR	JTWP-BMxx-CF02	JTWP-BMxx-CF02

Note:
 1. Electrical Performance
 1.1 Rated current :3A
 1.2 Rated Voltage : 60 V
 1.3 Insulation resistance : ≥20MQ
 1.4 Contact resistance : ≤10mΩ
 2. Mechanical Performance
 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
 3. Environmental Performance
 3.1 Ingress Protection : IP66
 3.2 Temperature Range - Operating : -40°C ~ +80°C

產品名稱	料號
寶馬頭線端公接頭8P	JTWP-BM08-CM02
寶馬頭線端公接頭9P	JTWP-BM09-CM02
寶馬頭線端公接頭10P	JTWP-BM10-CM02
寶馬頭線端公接頭11P	JTWP-BM11-CM02

1. 材料:
 胶芯: PBT
 端子: 黃銅。
 2. 表面處理:
 公端子: 鍍金



PIN	8P	9P	10P	11P
對插面				

REV	變更內容	修改	核准	日期	審核	製圖	料號	料號
				2020.07.29	JASON	BEAR	JTWP-BMxx-CM02	JTWP-BMxx-CM02

Note:
 1. Electrical Performance
 1.1 Rated current :3A
 1.2 Rated Voltage : 60 V
 1.3 Insulation resistance : ≥20MQ
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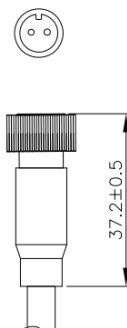
JT-12 M12

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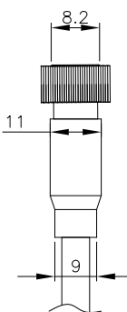
1. Easily installable connector system
2. Environment protection IP67
3. All connectors also available with gold-flash plated contacts for higher conductivity
4. Shield reliable
5. Quick and secure connection
6. Compact, reliable, and environmentally protected connection system
7. Includes signal and terminated cable assemblies of over-molded construction



	產品名稱	料號
	M12帶鎖式防水母頭接2P	JTWP-F002-C120
	M12帶鎖式防水母頭接3P	JTWP-F003-C120
	M12帶鎖式防水母頭接4P	JTWP-F004-C100
	M12帶鎖式防水母頭接5P	JTWP-F005-C100
	M12帶鎖式防水母頭接6P	JTWP-F006-C100
	M12帶鎖式防水母頭接7P	JTWP-F007-C100
	M12帶鎖式防水母頭接8P	JTWP-F008-C100



37.2±0.5



8.2

11

9

1. Material :
 1-1 Housing : PA66 plus glass fiber 15% UL94V0; color : black
 1-2 Contact : Phosphor bronze
 1-3 Nut : brass
 1-4 O-ring : silicone ; color : red
 2. Finish :
 2-1 Contact : gold flash
 2-2 Nut : Anodizing
 3. Electrical specification
 3-1 Rated current Max. 2.5A
 3-2 Rated Voltage : 60 V
 3-3 Water proof : IP67
 4. Environmental
 4-1 Operation temperature : -10°~85°

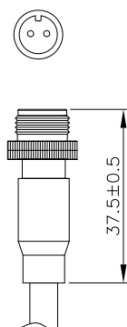
PIN	2P	3P	4P	5P	6P	7P	8P
對插面							
顏色	黑色	黑色	黑色	黑色	黑色	黑色	黑色

1. 材料:
 胶芯: PBT加纤15%。
 端子: 黄铜。

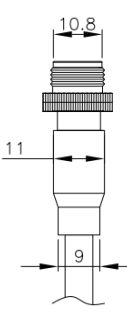
2. 表面处理:
 公端子: 整镀金普通U
 母端子: 镀金后锡普通U。

		TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK JOIN TEK CORPORATION CO., LTD.	
		LINEAR	ANGLE	UNIT	VER.
X	± 0.30	X'	± 5°	1/1	AO
XX	± 0.20	XX'	± 2°		
XXX	± 0.10	XXX'	± 1°		
日期	2023.06.20	名稱	M12 lockable waterproof connector Female 2-8PIN	審核	Jason
製圖	Jackie	料號	JTWP-FXXX-C1XX	製圖	Jackie

	產品名稱	料號
	M12帶鎖式防水公接頭2P	JTWP-M002-C120
	M12帶鎖式防水公接頭3P	JTWP-M003-C120
	M12帶鎖式防水公接頭4P	JTWP-M004-C100
	M12帶鎖式防水公接頭5P	JTWP-M005-C100
	M12帶鎖式防水公接頭6P	JTWP-M006-C100
	M12帶鎖式防水公接頭7P	JTWP-M007-C100
	M12帶鎖式防水公接頭8P	JTWP-M008-C100



37.5±0.5



10.8

11

9

1. Material :
 1-1 Housing : PA66 plus glass fiber 15% UL94V0; color : black
 1-2 Contact : Phosphor bronze
 1-3 Nut : brass
 2. Finish :
 2-1 Contact : gold flash
 2-2 Nut : Anodizing
 3. Electrical specification
 3-1 Rated current Max. 2.5A
 3-2 Rated Voltage : 60 V
 3-3 Water proof : IP67
 4. Environmental
 4-1 Operation temperature : -10°~85°

PIN	2P	3P	4P	5P	6P	7P	8P
對插面							
顏色	黑色	黑色	黑色	黑色	黑色	黑色	黑色

1. 材料:
 胶芯: PBT加纤15%。
 端子: 黄铜。

2. 表面处理:
 公端子: 整镀金普通U
 母端子: 镀金后锡普通U。

		TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK JOIN TEK CORPORATION CO., LTD.	
		LINEAR	ANGLE	UNIT	VER.
X	± 0.30	X'	± 5°	1/1	AO
XX	± 0.20	XX'	± 2°		
XXX	± 0.10	XXX'	± 1°		
日期	2023.06.20	名稱	M12 lockable waterproof connector male 2-8PIN	審核	Jason
製圖	Jackie	料號	JTWP-MXXX-C1XX	製圖	Jackie



Water-Proof Connector LEV Motor

Water-proof Connector-LEV Motor



Water-proof Connector-LEV Motor

Product Name	JT-Titan Hybrid 30Amps	JT-Motor-Snap-in
Image		
Contacts	3 Pin+6 Pin	2-6 Pins
Mating Type	Screw Lock	Snap-In
Rated Current	30 Amps (Power Pin)	15 Amps (Power Pin)
Rated Voltage	110V	110V
Insulation Resistance	$\geq 20\text{M}\Omega$	$\geq 20\text{M}\Omega$
Contact Resistance	$\leq 10\text{m}\Omega$	$\leq 10\text{m}\Omega$
Durability Repeated	200 Cycle	200 Cycle
Ingress Protection	IP 67	IP 66
Temperature Range	-40°C~80°C	-40°C~80°C
Page	38	40

JT-Titan-Hybrid-30A

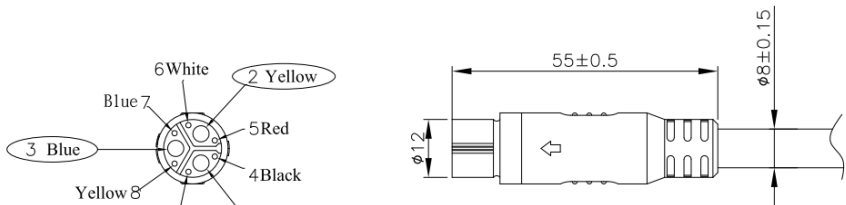
Overview

The JT-Titan Hybrid is a trusted solution for various applications, including LEV, Industrial, Marine, and Test Machines. Its single-hand screw lock connectors offer a smart solution for LEV Motors. JT-Titan connectors ensure reliable current and signal transmission, even in harsh environments. The one-hand lock feature enables rapid installation by the assembler.

Feature

1. Strong and Reliable in the vibration.
2. Environment protection IP67 (Airtight Tested)
3. Easy installation with advance poka-yoke system
4. Single-hand ScrewLocked
5. High Current upto 30A
6. Quick and secure connection
7. Compact, reliable, and environmentally protected connection system
8. UL 94V-0 flammability rating

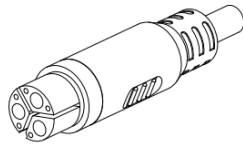




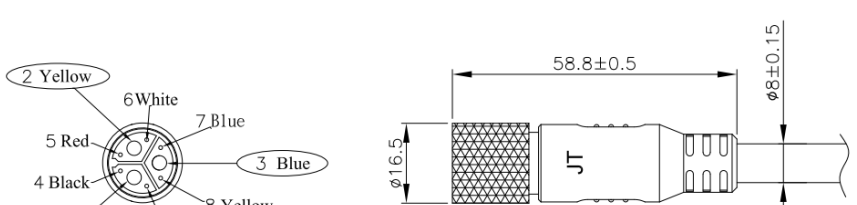
JTWP-FL09-D30V

Note:

1. Electrical Performance
 - 1.1 Rated current : 1~3 : 30 A / 4~9 : 3A
 - 1.2 Rated Voltage : 110 V
 - 1.3 Insulation resistance : ≥20MΩ
 - 1.4 Contact resistance : ≤10mΩ
2. Mechanical Performance
 - 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
3. Environmental Performance
 - 3.1 Ingress Protection : IP67
 - 3.2 Temperature Range - Operating : -40°C ~ +105°C
4. Cable Diameter : 8.0 (mm)
5. Cables Shall Be 100% Tested For Opens And Short And Miss.



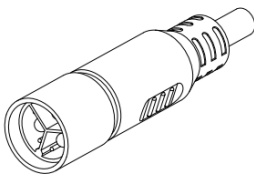
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		LINEAR	ANGLE	UNIT	SHEET VER.
		.X ± 0.30	X' ± 5'	1/1	A0
		.XX ± 0.20	X' ± 2'		
		.XXX ± 0.10	XX' ± 1'		
日期		2023.07.10		名稱：大電流 電機線3大6小 9P Female 30A	
REV	說明內容 DESCRIPTION	修改 DRAWN	核准 APPROVED	製圖 DRAWN	料號：JTWP-FL09-D30V PART NO.
			審核 CHECKED	Jackie	



JTWP-ML09-D30V

Note:

1. Electrical Performance
 - 1.1 Rated current : 1~3 : 30A / 4~9 : 3A
 - 1.2 Rated Voltage : 110 V
 - 1.3 Insulation resistance : ≥20MΩ
 - 1.4 Contact resistance : ≤10mΩ
2. Mechanical Performance
 - 2.1 Durability Repeated : Insert and withdraw up to 200 cycles
3. Environmental Performance
 - 3.1 Ingress Protection : IP67
 - 3.2 Temperature Range - Operating : -40°C ~ +105°C
4. Cable Diameter : 8.0 (mm)
5. Cables Shall Be 100% Tested For Opens And Short And Miss.



		TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司 JOIN TEK JOIN TEK CORPORATION CO., LTD.	
		LINEAR	ANGLE	UNIT	SHEET VER.
		.X ± 0.30	X' ± 5'	1/1	A0
		.XX ± 0.20	X' ± 2'		
		.XXX ± 0.10	XX' ± 1'		
日期		2023.07.10		名稱：大電流 電機線3大6小 9P Male 30A	
REV	說明內容 DESCRIPTION	修改 DRAWN	核准 APPROVED	製圖 DRAWN	料號：JTWP-ML09-D30V PART NO.
			審核 CHECKED	Jackie	

JT Motor Snap In Hybrid

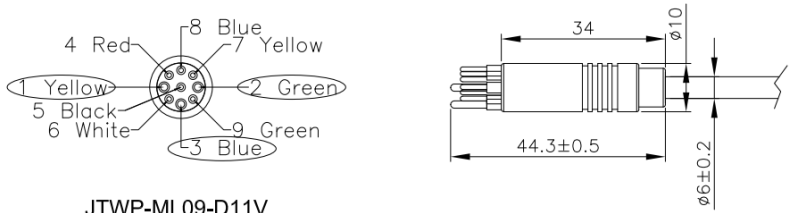
Overview

General Standard Connector for E-bike, compatible with multiple brands, for Ebike Motors. Excellent connectivity solution for LEV for its quick installation in the production line, with intuitive assembly will definitely be a great way to start a E-bike design for all the e-bike designer. With its reliable performance, they offer a tight, waterproof connection. There are quite a few different types based on the number of pins to provide an intuitive way for the operator in the production line.

Feature

1. JT Motor Easily installable connector system
2. JT Motor Environment protection IP66
3. All connectors also available with gold-flash plated contacts for higher conductivity
4. Shield reliable
5. Colored by different pins
6. Quick and secure connection
7. JT Motors Compact, reliable, and environmentally protected connection system
8. Includes signal and terminated cable assemblies of

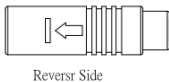




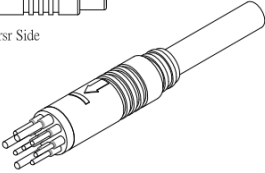
JTWP-ML09-D11V

Note:

- Electrical Performance
 - Rated current :1~3>15A / 4~9>3A
 - Rated Voltage : 250 V
 - Insulation resistance : $\geq 20M\Omega$
 - Contact resistance : $\leq 10m\Omega$
- Mechanical Performance
 - Durability Repeated : Insert and withdraw up to 200 cycles
- Environmental Performance
 - Ingress Protection : IP66
 - Temperature Range - Operating : $-40^{\circ}C \sim +80^{\circ}C$
- Cable Diameter : 6.0 (mm)
- Cables Shall Be 100% Tested For Opens And Short And Miss.

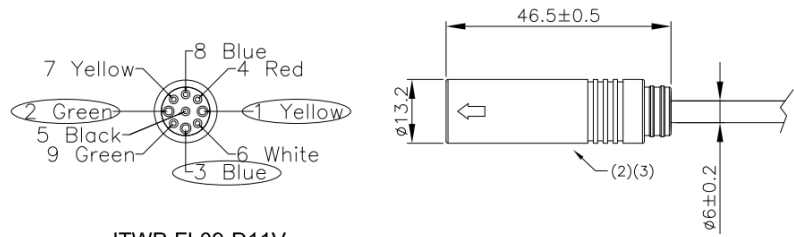


Revers Side



REV		變更內容	修改	核准	製圖	日期	名稱	料號
						2020.07.29	JASON	JTWP-ML09-XX
					BEAR			

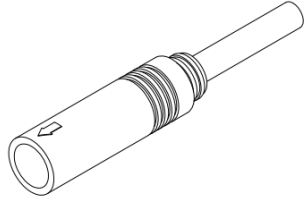
TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	JOIN TEK JOIN TEK CORPORATION CO., LTD.	
X ± 0.30	X' ± 5'	UNIT	SHEET VER.
.XXX ± 0.20	X' ± 2'	1/1	AO
.XXX ± 0.10	.XXX ± 1'		



JTWP-FL09-D11V

Note:

- Electrical Performance
 - Rated current :1~3>15A / 4~9>3A
 - Rated Voltage : 250 V
 - Insulation resistance : $\geq 20M\Omega$
 - Contact resistance : $\leq 10m\Omega$
- Mechanical Performance
 - Durability Repeated : Insert and withdraw up to 200 cycles
- Environmental Performance
 - Ingress Protection : IP66
 - Temperature Range - Operating : $-40^{\circ}C \sim +80^{\circ}C$
- Cable Diameter : 6.0 (mm)
- Cables Shall Be 100% Tested For Opens And Short And Miss.



REV		變更內容	修改	核准	製圖	日期	名稱	料號
						2020.07.29	JASON	JTWP-FL09-XX
					BEAR			

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	JOIN TEK JOIN TEK CORPORATION CO., LTD.	
X ± 0.30	X' ± 5'	UNIT	SHEET VER.
.XX ± 0.20	X' ± 2'	1/1	AO
.XXX ± 0.10	.XXX ± 1'		







Water-Proof Connector LEV Battery

Water-Proof Connector-LEV Battery



Water-Proof Connector-LEV Battery

Product Name	JT-E Plug Hybrid	JT- Bullet	JT-SAE	JT-Floater
Image				
Contacts	2 Pin +6 Pins	1 Pins	2 Pins	2 Pin +6 Pins
Mating Type	Snap-In	Snap-In	Snap-In	Snap-In
Rated Current	25 Amps*2+2 Amps*6	12 Amps	12 Amps	25 Amps*2+2 Amps*6
Rated Voltage	60V	24V	24V	60V
Insulation Resistance	$\geq 20M\Omega$	$\geq 20M\Omega$	$\geq 20M\Omega$	$\geq 20M\Omega$
Contact Resistance	$\leq 10m\Omega$	$\leq 10m\Omega$	$\leq 10m\Omega$	$\leq 10m\Omega$
Durability Repeated	200 Cycle	200 Cycle	200 Cycle	200 Cycle
Ingress Protection	IP 67	IP 65	IP 65	IP 67
Temperature Range	-40°C~85°C	-40°C~85°C	-25°C~80°C	-40°C~85°C
Page	45	47	49	51

JT-E Plug Hybrid

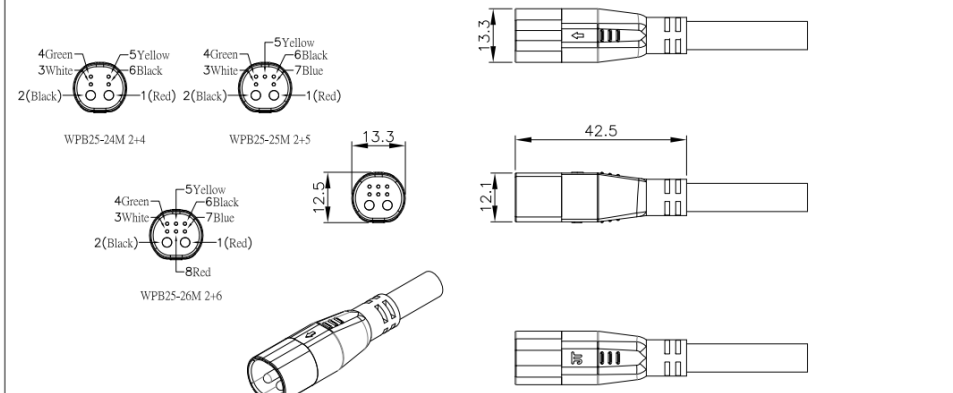
Overview

The JT-E plug Hybrid is a reliable solution for various applications like LEV, Industrial, Marine, and Test Machines. It excels in LEV battery applications, efficiently handling high currents due to Join Tek's specialized terminal design. Despite its compact size, this snap-in connector ensures robust performance in harsh environments, boasting an IP67 protection rating validated through rigorous 100% airtight testing.

Feature

1. The compact yet powerful connector handles 25 Amps with ease.
2. IP67 environmental protection (Airtight Tested).
3. Simple installation with advanced poka-yoke system.
4. Snap-in design.
5. Supports high currents up to 25A.
6. Ensures quick and secure connections.
7. Compact, reliable, and environmentally protected.
8. UL 94V-0 flammability rating.

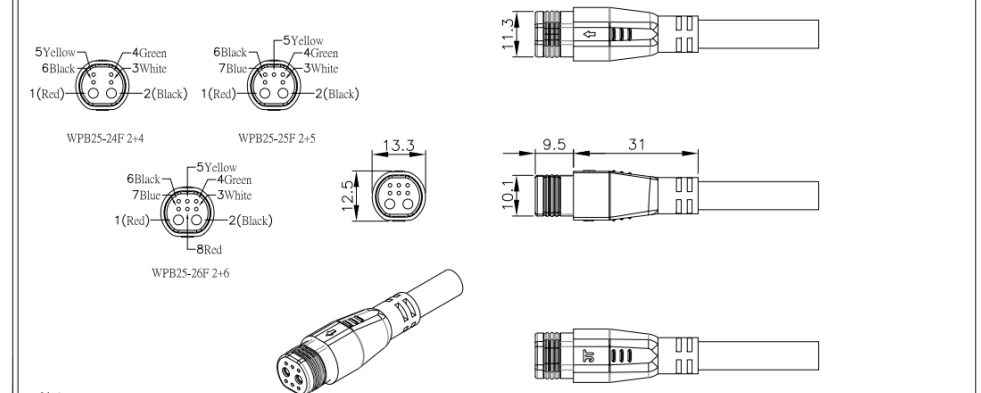




Note:

- Electrical Performance
 - Rated current :1~2>=25A / 4~8>=2A
 - Rated Voltage : 60 V
 - Insulation resistance : ≥20MΩ
 - Contact resistance : ≤10mΩ
- Mechanical Performance
 - Durability Repeated : Insert and withdraw up to 100 cycles
- Environmental Performance
 - Ingress Protection : IP67
 - Temperature Range - Operating : -40°C ~ +80°C
- Cables Shall Be 100% Tested For Opens And Short And Miss.

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	UNIT	SHEET VER
X ± 0.30	X' ± 5'	1/1	AO
.XX ± 0.20	X" ± 2"		
.XXX ± 0.10	.XX' ± 1'		
日期	2023.03.24	名稱	2-N Male
審核	JASON	料號	WPB25-2XM
更改	內容	核准	製圖
REV	MODIFY/CHG	DATE	JASON



Note:

- Electrical Performance
 - Rated current :1~2>=25A / 4~8>=2A
 - Rated Voltage : 60 V
 - Insulation resistance : ≥20MΩ
 - Contact resistance : ≤10mΩ
- Mechanical Performance
 - Durability Repeated : Insert and withdraw up to 100 cycles
- Environmental Performance
 - Ingress Protection : IP67
 - Temperature Range - Operating : -40°C ~ +80°C
- Cables Shall Be 100% Tested For Opens And Short And Miss.

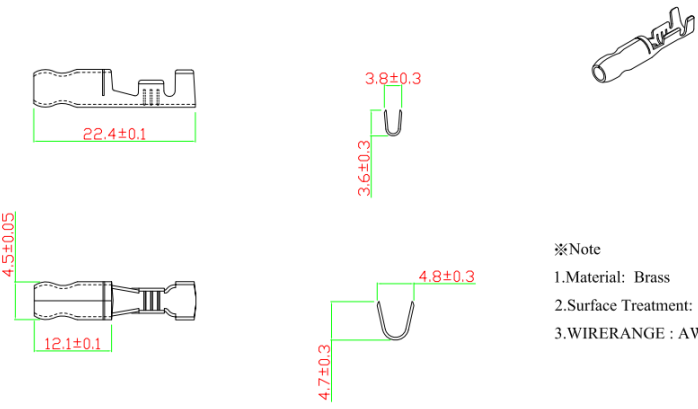
TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	UNIT	SHEET VER
X ± 0.30	X' ± 5'	1/1	AO
.XX ± 0.20	X" ± 2"		
.XXX ± 0.10	.XX' ± 1'		
日期	2023.03.24	名稱	2-N Female
審核	JASON	料號	WPB25-2XF
更改	內容	核准	製圖
REV	MODIFY/CHG	DATE	JASON

JT-Bullet

Feature

- 9. Easily connect with only one $\varnothing 2.35$ connector pin.
- 10. General option for the electricity module.
- 11. Battery Solution





※Note
 1.Material: Brass
 2.Surface Treatment: Ni plating
 3.WIRERANGE : AWG#14-20

TOLERANCE UNLESS SPECIFIED	
LINEAR	ANGLE
.X ± 0.20	X° ± 5°
.XX ± 0.20	X° ± 2°
.XXX ± 0.10	.XX° ± 1°

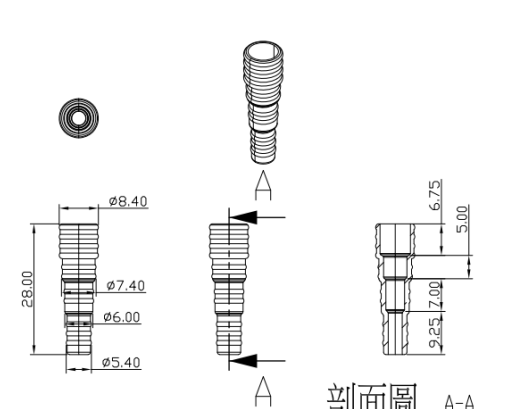
朝富科技股份有限公司 JOIN TEK CORPORATION CO., LTD.	UNIT	SHEET	VER.
	1/1	A0	

日期	2022.03.29	名稱	子彈頭端子(公)
審核	JASON	料號	J852A-M45-200
製圖	Jackie		

No.	ITEM	BILL OF MATERIAL	QTY

更改 REV.	繪圖 DRAWN	核准 APPROVED	製圖 DRAWN	審核 CHECKED	日期 DATE	名稱 TITLE	料號 PART NO.
			Jackie	JASON	2022.03.29	子彈頭端子(公)	J852A-M45-200

RoHS



剖面圖 A-A
 比例 1 : 1

TOLERANCE UNLESS SPECIFIED	
LINEAR	ANGLE
.X ± 0.20	X° ± 5°
.XX ± 0.10	X° ± 2°
.XXX ± 0.05	.XX° ± 1°

朝富科技股份有限公司 JOIN TEK CORPORATION CO., LTD.	SCALE	SHEET	VER.
	1/1	A	

日期	2021.12.28	名稱	φ4.5子彈頭(公)彈殼
審核	JASON	料號	Jacket-SI-4.5-M
製圖	JASON		

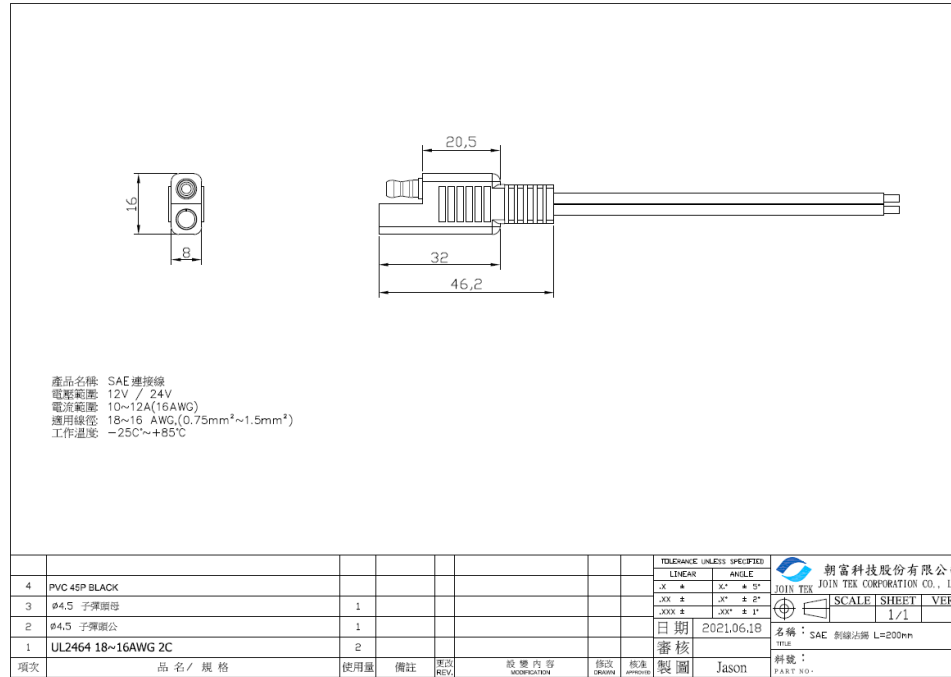
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			JASON	JASON	2021.12.28	φ4.5子彈頭(公)彈殼	Jacket-SI-4.5-M

JT-SAE Connectors

Feature

1. Easily connect with neutral connectors.
2. General option for the electricity module.





JT-Floater




Overview

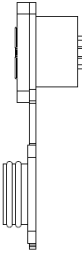
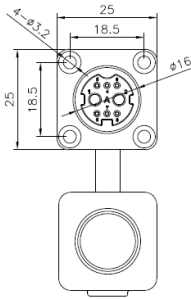
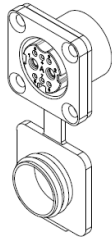
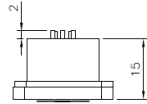
The JT Float Battery connector stands out as a high-quality connectivity solution designed for LEV batteries, supporting up to 25A for the power pole and a 6-pin signal pole configuration. Featuring a compact outer diameter of 15.9mm, the JT Float Battery ensures a secure mating mechanism with an IPX7 waterproof level. The connector is equipped with a snap-in design and mistake-proofing features, providing users with enhanced protection for the pins during usage.

Feature

1. High Current Supported
2. JT-Floater Battery easily installable snap-in connector
3. Environment protection IP67
4. Easy installation with advance poka-yoke system
5. Light weight
6. Quick and secure connection Compact, reliable, and environmentally protected connection system
7. UL 94V-0 flammability rating Quick and secure connection Compact, reliable, and environmentally protected connection system






JTWP-F008-26D1	JTWP-F008-26D3	JTWP-F008-26D4
		

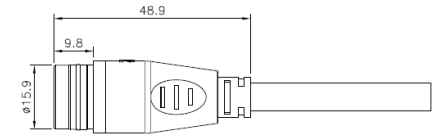
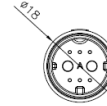
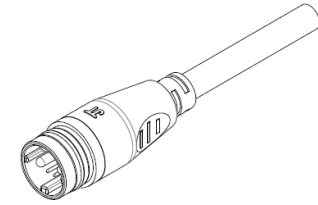


Note:

- Electrical Performance
 - Rated current :1-2≧25A / 3-8≧2A
 - Rated Voltage : 60 V
 - Insulation resistance : ≧20MΩ
 - Contact resistance : ≦10mΩ
- Mechanical Performance
 - Durability Repeated ; Insert and withdraw up to 1000 cycles
- Environmental Performance
 - Ingress Protection : IP67
 - Temperature Range - Operating : -40°C ~ +80°C
- Cables Shall Be 100% Tested For Opens And Short And Miss.

TOLERANCE UNLESS SPECIFIED		朝富科技股份有限公司	
LINEAR	ANGLE	JOIN TEK	JOIN TEK CORPORATION CO., LTD.
XX ±0.30	X° ± 5'	UNIT	SHEET
XX ±0.20	X° ± 2'	1/1	A1
XXX ±0.10	XXX' ± 1"	名稱	2-6 Female
日期	2024.01.15	審核	JASON
更改	股變內容	修改	批准
REV.	MODIFICATION	DESIGN	APPROVE
		製圖	JASON
		料號	JTWP-F008-26D1
		零件	NO.

JTWP-M008-26D1	JTWP-M008-26D3	JTWP-M008-26D4
		

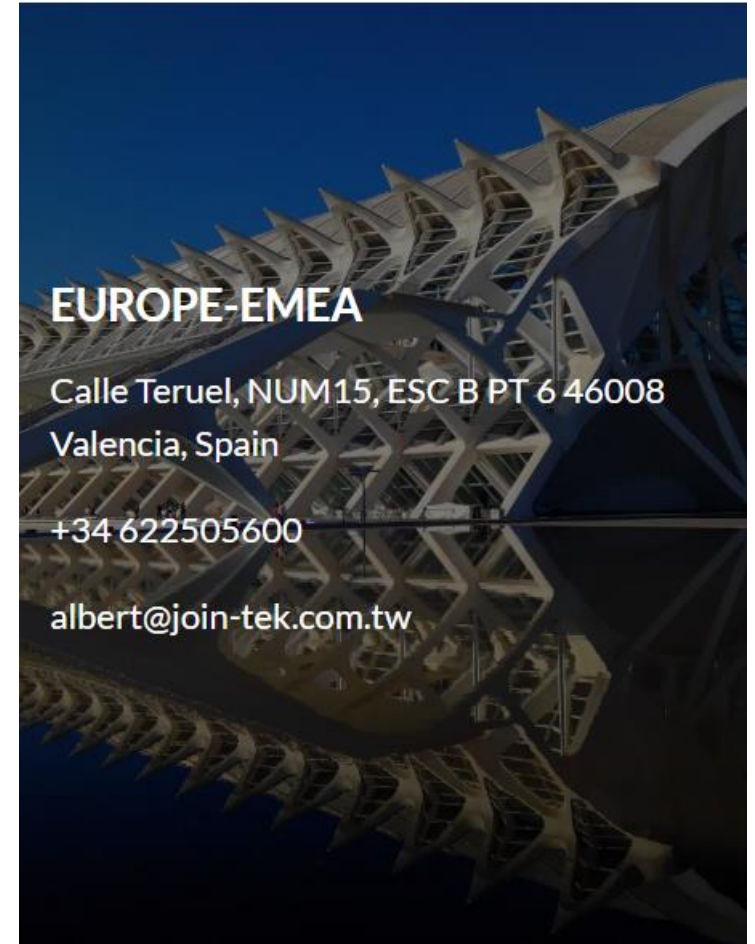


Note:


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日期	2024.01.15	審核	JASON
更改	股變內容	修改	批准
REV.	MODIFICATION	DESIGN	APPROVE
		製圖	JASON
		料號	WPP26D-M008
		零件	NO.

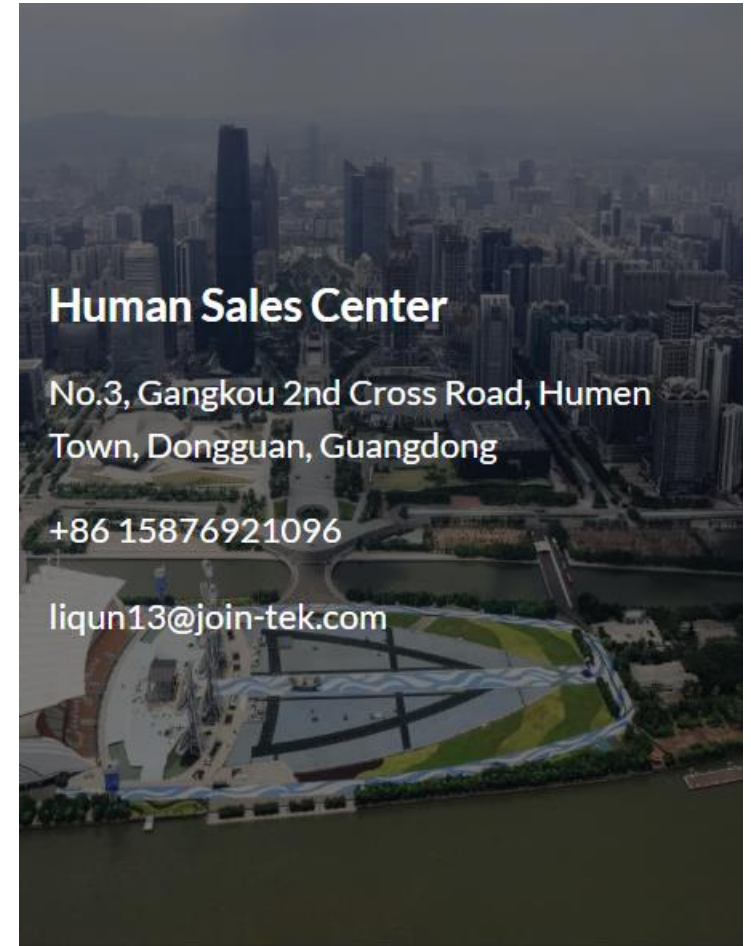
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