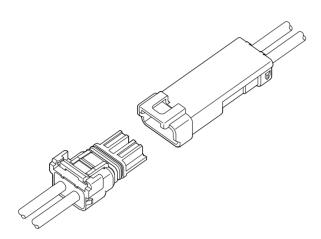


WPJ CONNECTOR

5.0mm pitch/Disconnectable Crimp style Wire-to-wire connectors



Compact, Water Resist and Durable. This connector for electrical connection can be used on both waterproof and nonwaterproof conditions, depending on the usage.

- Waterproof performance [Grade 7 ingress protection of JIS C 0920 (IEC 60529 IPX7)]
- Control key system
- Contacting part of contact is hardly deformed
- Inner-locking system
- Compact design

Specifications -

• Current rating: 7A AC, DC (AWG#18)

Voltage rating: 300V AC, DC
Temperature range: -25°C to +85°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/10m Ω max.

After environmental testing/20m Ω max.

Insulation resistance: 1,000M Ω min.
Withstanding voltage: 1,500V AC/minute
Applicable wire: Conductor size/AWG #22 to #18

Applicable wire: Conductor size/AWG #22 to #18

Insulation O.D./2.32 to 2.83mm 1.52 to 2.03mm

• Waterproof grade: Grade 7 ingress protection of JIS C 0920

(IEC 60529 IPX7)

* Compliant with RoHS.

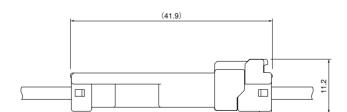
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

* Contact JST for details.

Standards

Recognized E 60389

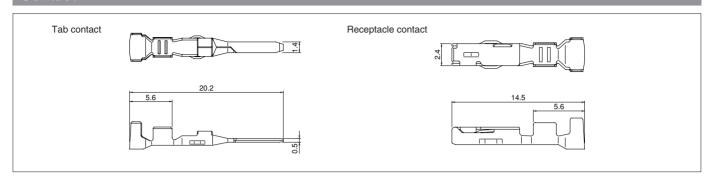
Assembly layout



WPJ CONNECTOR

(Non-waterproof type)

Contact



Model No.		Applicable wire		Inculation O.D. (mm)	Q'ty / reel	
Tab contact	Receptacle contact	mm²	AWG #	Insulation O.D. (mm)	Tab contact	Receptacle contact
SWPJT-21T-P0.5	SWPJR-21T-M0.5	0.00 - 0.00	33~0.83 22~18	2.32~2.83	6,000	4,500
SWPJT-21T-P0.5A	SWPJR-21T-M0.5A	0.55,~0.83		1.52~2.03	9,000	4,500

Material and Finish

Copper alloy, tin-plated (reflow treatment)

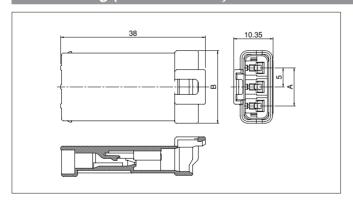
RoHS compliance

Non-waterproof type

Contact	Crimping	Applicator			
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies	
SWPJT-21T-P0.5	AP-K2N	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05	
SWPJ1-211-P0.5	AP-K2N	_	_	_	
CWD ID O1T MO E	AP-K2N	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05	
SWPJR-21T-M0.5			_	_	

	Contact	Crimping	Applicator				
	Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
	SWPJT-21T-P0.5A	AP-K2N	MKS-L	MK/SWPJR/T-21-05A	APLMK SWPJR/T21-05A		
	5WPJ1-211-PU.5A		_	_	_		
	SWPJR-21T-M0.5A	AP-K2N	MKS-L	MK/SWPJR/T-21-05A	APLMK SWPJR/T21-05A		
			_	_	_		

Tab housing (for tab contact)



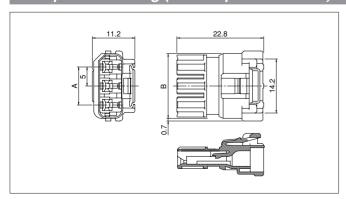
Circuits	Model No.	Dimensio	Q'ty / bag	
Circuits		Α	В	Q ty / bag
2	WPJT-02V-1-S	_	14.2	500
3	WPJT-03V-1-S	10	19.2	500

Material

Glass-filled PBT, UL94V-0, natural (white)

RoHS compliance

Receptacle housing (for receptacle contact)



0::	Model No.	Dimensio	O't / l	
Circuits		Α	В	Q'ty / bag
2	WPJR-02V-1-S	_	12.1	1,000
3	WPJR-03V-1-S	10	17.1	1,000

Material

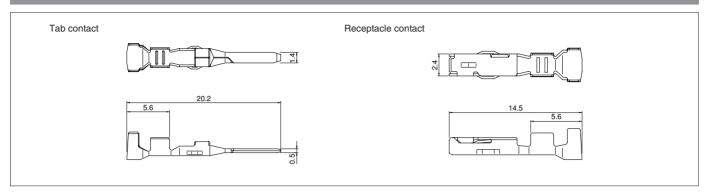
Glass-filled PBT, UL94V-0, natural (white)

RoHS compliance

WPJ CONNECTOR

(Waterproof type)

Contact



Model No.		Applicable wire		Inquistion O.D. (mm)	Q'ty / reel	
Tab contact	Receptacle contact	mm²	AWG #	Insulation O.D. (mm)	Tab contact	Receptacle contact
SWPJT-21T-P0.5	SWPJR-21T-M0.5	0.33~0.83	22~18	2.32~2.83	6,000	4,500

Material and Finish

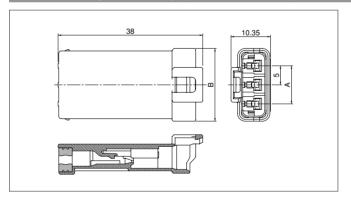
Copper alloy, tin-plated (reflow treatment)

RoHS compliance

Waterproof type

Contact	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
CWD IT OUT DO S	AP-K2N	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05		
SWPJT-21T-P0.5		_	_	_		
CWD ID OIT MOE	AD KON	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05		
SWPJR-21T-M0.5	AP-K2N	_	_	_		

Tab housing assembly (for tab contact)



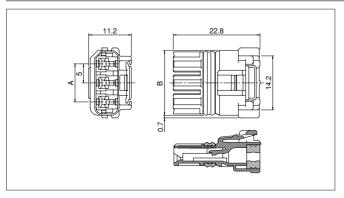
Circuits	Model No.	Dimensio	O'hr / bos	
Circuits		Α	В	Q'ty / bag
2	02T-WPJV-1-SM	_	14.2	225
3	03T-WPJV-1-SM	10	19.2	165

Material

Tab housing: Glass-filled PBT, UL94V-0, natural (white) Seal rubber plate: Silicon, green

RoHS compliance

Receptacle housing assembly (for receptacle contact)



Circuito	MadalNa	Dimensio	04. / 5	
Circuits	Model No.	Α	В	Q'ty / bag
2	02R-WPJV-1-SMM	_	12.1	240
3	03R-WPJV-1-SMM	10	17.1	192

Material

Receptacle housing: Glass-filled PBT, UL94V-0, natural (white) Seal ring: Silicon, green
Seal rubber plate: Silicon, green

RoHS compliance