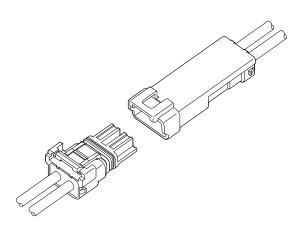


WPJ CONNECTOR

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.

 $\begin{tabular}{llll} \bullet & Insulation resistance: & 1,000M Ω min. \\ \bullet & Withstanding voltage: & 1,500V AC/minute \\ \bullet & Applicable wire: & Conductor size/AWG #22 to #18 & Insulation O.D./2.32 to 2.83mm & 1.52 to 2.03mm \\ \hline \end{tabular}$

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

(IEC 60529 IPX7)

* Compliant with RoHS.

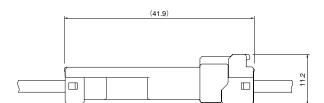
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.

* Contact JST for details.

Standards -

Recognized E 60389

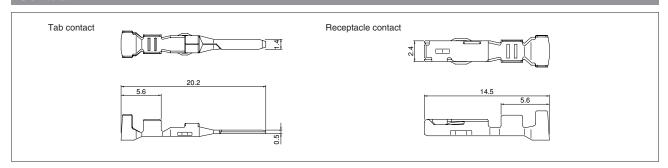
Assembly layout



WPJ CONNECTOR

(Non-waterproof type)

Contact



Model No.		Applica	ble 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
SWPJT-21T-P0.5A	SWPJR-21T-M0.5A		22~18	1.52~2.03	9,000	4,500

Material and Finish

Copper alloy, tin-plated (reflow treatment)

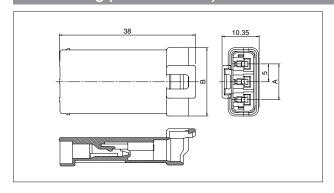
RoHS compliance

Non-waterproof type

Contact Crimpin		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		
5WPJ1-211-P0.5	AP-NZN	_	_	_		
SWPJR-21T-M0.5	AD KON	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05		
5WPJR-211-WU.5	AP-NZN	_	_	_		

0	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
CWD IT 04T D0 CA	AD KON	MKS-L	MK/SWPJR/T-21-05A	APLMK SWPJR/T21-05A		
SWPJT-21T-P0.5A	AP-K2N	=	_	-		
CWD ID OUT MO FA	JR-21T-M0.5A AP-K2N	MKS-L	MK/SWPJR/T-21-05A	APLMK SWPJR/T21-05A		
SWPJR-211-MU.5A		_	_	_		

Tab housing (for tab contact)



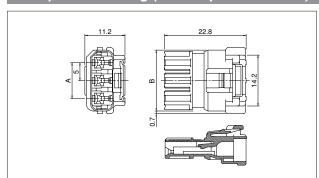
	Circuits	Model No.	Dimensions (mm)		Q'ty / bag
	Circuits	widuei No.	Α	В	Q ty / bag
	2	WPJT-02V-1-S	_	14.2	500
	3	WPJT-03V-1-S	10	19.2	500

Material

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

RoHS compliance

Receptacle housing (for receptacle contact)



Circuits	Model No.	Dimensio	ons (mm)	Q'ty / bag
Circuits	woder No.	Α	В	
2	WPJR-02V-1-S	_	12.1	1,000
3	WPJR-03V-1-S	10	17.1	1,000

Material

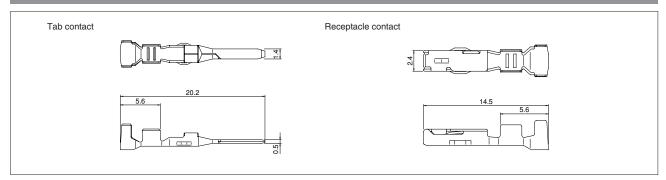
Glass-filled PBT, UL94V-0, natural (white)

RoHS compliance

WPJ CONNECTOR

(Waterproof type)

Contact



Model No.		Applica	ble wire	Insulation O.D. (mm)	Q'ty / reel	
Tab contact	Receptacle contact	mm ²	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

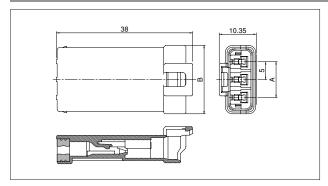
Copper alloy, tin-plated (reflow treatment)

RoHS compliance

Waterproof type

Contact	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
SWPJT-21T-P0.5	AP-K2N	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05		
5WPJ1-211-P0.5		_	_	_		
CWD ID O4T MO 5	R-21T-M0.5 AP-K2N	MKS-L	MK/SWPJR/T-21-05	APLMK SWPJR/T21-05		
3WFJN-211-WU.5		_	_	_		

Tab housing assembly (for tab contact)



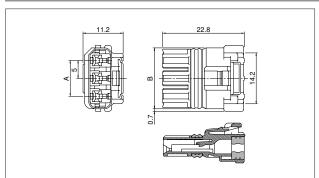
	Circuits	Model No.	Dimensio	O'tu / box	
	Circuits	woder No.	Α	В	Q'ty / bag
	2	02T-WPJV-1-SM		14.2	225
	3	03T-WPJV-1-SM	10	19.2	165

Material

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

RoHS compliance

Receptacle housing assembly (for receptacle contact)



Circuits	Model No.	Dimension	O'ty / bog	
Circuits	woder 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