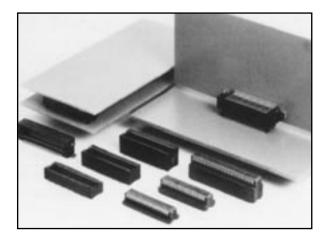
WR SERIES CONNECTORS

0.5mm (.020") Contact Spacing, PCB-to-PCB SMT Connectors



FEATURES

- Ribbon contact design (surface contact)
- Right Angle/Parallel Board-to-Board Connections
- Nine varieties 4 to 9mm (.157 to .354") of parallel board-to-board distance
- · Three straight type insulator heights
- Metal hold-downs on both ends of right angle type prevent floating up during automatic mounting
- PCB area beneath insulator may be used for circuit traces
- Available in embossed tape for automatic SMT mounting
- Contact terminal length permits image recognition

• • • • • • • • • • • •

The WR Series are SMT-type connectors for PCB-to-PCB applications. These subminiature, low profile connectors keep the required space and height on the PCB to a minimum. High density, ribbon-type contacts are on 0.5mm (.020") centers.

Applications include camcorders, notebook PCs, cellular telephones and other electronic equipment requiring high density packaging.

GENERAL SPECIFICATIONS

Number of Contacts	Straight: 20, 22, 28, 30, 40, 50, 60, 70, 80, 100, 120, 160 Right Angle: 20, 30, 40, 50, 60, 70, 80, 120	
Contact Spacing	0.5mm (.020")	
Current Rating	0.3 Amp per contact	
Dielectric Withstanding Voltage	500 VAC r.m.s. (for one minute)	
Insulation Resistance	100 megohms min.	
Contact Resistance	50 milliohms max. (Vertical: 70 milliohms max.)	

MATERIALS AND FINISHES*

Description	Materials/Finishes	
Insulator	Socket side: Glass-filled LCP (UL94V-0, Black) Pin side: Glass-filled PPS (UL94V-0, Black)	
Contact	Copper Alloy Connecting area: Gold Plating 0.1 m (.000004") min. over Nickel Terminal area: Tin Plating over Nickel or Gold flash over Nickel	
Hold-down	Copper Alloy/Tin Plating	

^{*}Please contact JAE for lead-free product availability.

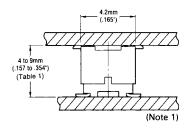
ORDERING INFORMATION



WR SERIES CONNECTORS

0.5mm (.020") Contact Spacing, PCB-to-PCB SMT Connectors

Connector Profile (Ref.)



PIN SIDE SOCKET SIDE

Straight • Standard Type WR-**P-VF-1 Straight • Standard Type

WR-**S-VF-1

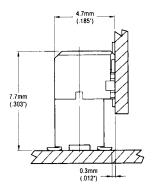
Straight • 50 Type WR-**P-VF50-1 Straight • H05 Type WR-**S-VFH05-1

Straight • 60 Type Straight • H30 Type WR-**P-VF60-1 WR-**S-VFH30-1

5.2mm (.205°)

PIN SIDE Right Angle Type WR-**P-HF-HD-A1

SOCKET SIDE Straight • H05 Type WR-**S-VFH05-1



Note 1: 3 connector heights are available for straight type. Parallel board-to-board distance can be selected in a range from 4mm (.157") to 9mm (.354") [9 kinds].

PIN SIDE Right Angle Type WR-**P-HF-HD-A1

SOCKET SIDE Straight • H30 Type WR-**S-VFH30-1

Table 1

	SOCKET SIDE				
PIN SIDE	Connector type	Standard type	H05 type	H30 type	
	Standard type	4.0mm (.157")	4.5mm (.177")	7.0mm (.276")	
	50 type	5.0mm (.197")	5.5mm (.217")	8.0mm (.315")	
	60 type	6.0mm (.236")	6.5mm (.256")	9.0mm (.354")	

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).