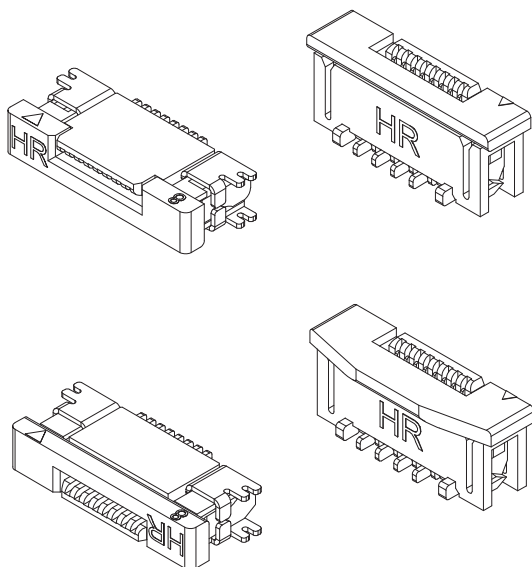




Specifications

Current rating: 0.5A AC,DC
Voltage rating: 50V AC,DC
Temperature range: -25°C ~ +85°C
Contact resistance: 30mΩ Max.
Insulation resistance: 100MΩ Min.
Withstanding voltage: 250V AC/minute
Contact H.R for details



Ordering code

① ② ③ ④ ⑤
F0503 WV A-S-30P

- ① Series No.
- ② Connector type: WV=Vertical
- ③ Blank=With pick up kapton tape
A=Without pick up kapton tape
- ④ Mounting type: S=SMT
- ⑤ No. of circuits

① ② ③ ④ ⑤
F0503 WR-S-30P T

- ① Series No.
- ② Connector type: WR=Right angle
- ③ Mounting type: S=SMT
- ④ No. of circuits
- ⑤ Option code:
T=Top contact style
B=Bottom contact style



F0503 SERIES

0.50mm pitch FFC/FPC connector



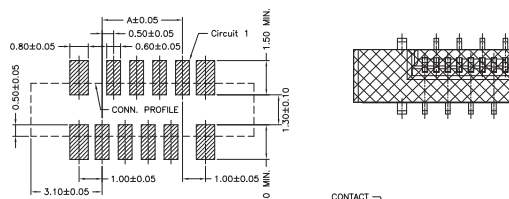
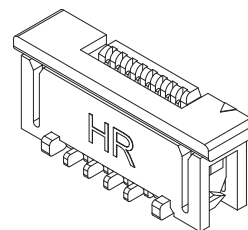
F0503WV-S

—0.50mm pitch FFC/FPC 180° Connector, ZIF, SMT TYPE—

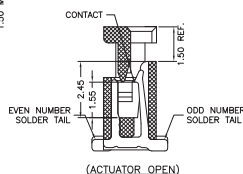
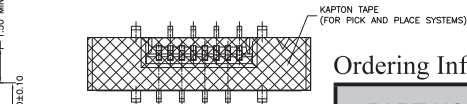
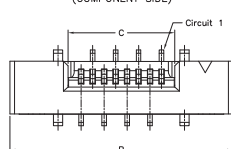
Reference Informations:

*Material: Pin: Phosphor Bronze/Tin-plated
Solder Tabs: Brass/Tin-plated
Housing: Nylon 46,UL94V-0
Actuator: Nylon 6T,UL94V-0

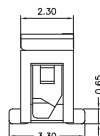
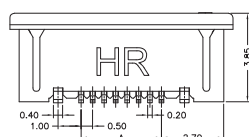
	F0503WV-S-30P						
	N	L	N	T1	T	00	L
①	N=Halogen Free	②	Material: L=LCP	③	Color: N=Natural(Beige)	④	Plating code: T1=Tin-plated
⑤	Plating code: T=Tin-plated	⑥	Option code: 00=Standard	⑦	Packing code: L=Tape & Reel(With Mylar)		



SUGGESTED PCB LAYOUT
(COMPONENT SIDE)



(ACTUATOR OPEN)



Ordering Information & Dimensions:

PART NO.	Dimensions			PART NO.	Dimensions		
	A	B	C		A	B	C
F0503WV-S-04P	1.50	7.70	2.65	F0503WV-S-23P	11.00	17.20	12.15
F0503WV-S-05P	2.00	8.20	3.15	F0503WV-S-24P	11.50	17.70	12.65
F0503WV-S-06P	2.50	8.70	3.65	F0503WV-S-25P	12.00	18.20	13.15
F0503WV-S-07P	3.00	9.20	4.15	F0503WV-S-26P	12.50	18.70	13.65
F0503WV-S-08P	3.50	9.70	4.65	F0503WV-S-27P	13.00	19.20	14.15
F0503WV-S-09P	4.00	10.20	5.15	F0503WV-S-28P	13.50	19.70	14.65
F0503WV-S-10P	4.50	10.70	5.65	F0503WV-S-29P	14.00	20.20	15.15
F0503WV-S-11P	5.00	11.20	6.15	F0503WV-S-30P	14.50	20.70	15.65
F0503WV-S-12P	5.50	11.70	6.65	F0503WV-S-31P	15.00	21.20	16.15
F0503WV-S-13P	6.00	12.20	7.15	F0503WV-S-32P	15.50	21.70	16.65
F0503WV-S-14P	6.50	12.70	7.65	F0503WV-S-33P	16.00	22.20	17.15
F0503WV-S-15P	7.00	13.20	8.15	F0503WV-S-34P	16.50	22.70	17.65
F0503WV-S-16P	7.50	13.70	8.65	F0503WV-S-35P	17.00	23.20	18.15
F0503WV-S-17P	8.00	14.20	9.15	F0503WV-S-36P	17.50	23.70	18.65
F0503WV-S-18P	8.50	14.70	9.65	F0503WV-S-37P	18.00	24.20	19.15
F0503WV-S-19P	9.00	15.20	10.15	F0503WV-S-38P	18.50	24.70	19.65
F0503WV-S-20P	9.50	15.70	10.65	F0503WV-S-39P	19.00	25.20	20.15
F0503WV-S-21P	10.00	16.20	11.15	F0503WV-S-40P	19.50	25.70	20.65
F0503WV-S-22P	10.50	16.70	11.65	F0503WV-S-45P	22.00	28.20	23.15

Unit:mm



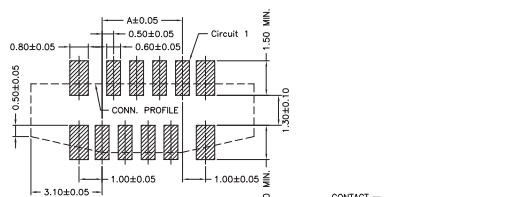
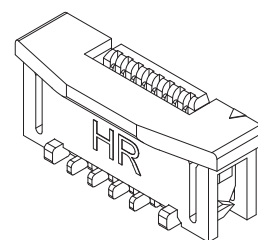
F0503WVA-S

—0.50mm pitch FFC/FPC 180° Connector, ZIF, SMT TYPE—

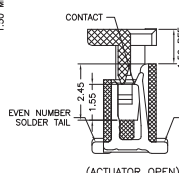
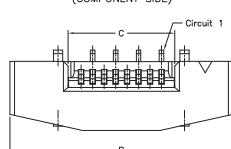
Reference Informations:

*Material: Pin: Phosphor Bronze/Tin-plated
Solder Tabs: Brass/Tin-plated
Housing: Nylon 46,UL94V-0
Actuator: Nylon 6T,UL94V-0

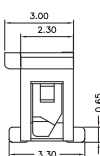
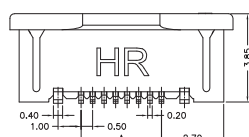
	F0503WVA-S-30P						
	N	L	N	T1	T	00	R
①	N=Halogen Free	②	Material: L=LCP	③	Color: N=Natural(Beige)	④	Plating code: T1=Tin-plated
⑤	Plating code: T=Tin-plated	⑥	Option code: 00=Standard	⑦	Packing code: R=Tape & Reel		



SUGGESTED PCB LAYOUT
(COMPONENT SIDE)



(ACTUATOR OPEN)



Ordering Information & Dimensions:

PART NO.	Dimensions			PART NO.	Dimensions		
	A	B	C		A	B	C
F0503WVA-S-04P	1.50	7.70	2.65	F0503WVA-S-23P	11.00	17.20	12.15
F0503WVA-S-05P	2.00	8.20	3.15	F0503WVA-S-24P	11.50	17.70	12.65
F0503WVA-S-06P	2.50	8.70	3.65	F0503WVA-S-25P	12.00	18.20	13.15
F0503WVA-S-07P	3.00	9.20	4.15	F0503WVA-S-26P	12.50	18.70	13.65
F0503WVA-S-08P	3.50	9.70	4.65	F0503WVA-S-27P	13.00	19.20	14.15
F0503WVA-S-09P	4.00	10.20	5.15	F0503WVA-S-28P	13.50	19.70	14.65
F0503WVA-S-10P	4.50	10.70	5.65	F0503WVA-S-29P	14.00	20.20	15.15
F0503WVA-S-11P	5.00	11.20	6.15	F0503WVA-S-30P	14.50	20.70	15.65
F0503WVA-S-12P	5.50	11.70	6.65	F0503WVA-S-31P	15.00	21.20	16.15
F0503WVA-S-13P	6.00	12.20	7.15	F0503WVA-S-32P	15.50	21.70	16.65
F0503WVA-S-14P	6.50	12.70	7.65	F0503WVA-S-33P	16.00	22.20	17.15
F0503WVA-S-15P	7.00	13.20	8.15	F0503WVA-S-34P	16.50	22.70	17.65
F0503WVA-S-16P	7.50	13.70	8.65	F0503WVA-S-35P	17.00	23.20	18.15
F0503WVA-S-17P	8.00	14.20	9.15	F0503WVA-S-36P	17.50	23.70	18.65
F0503WVA-S-18P	8.50	14.70	9.65	F0503WVA-S-37P	18.00	24.20	19.15
F0503WVA-S-19P	9.00	15.20	10.15	F0503WVA-S-38P	18.50	24.70	19.65
F0503WVA-S-20P	9.50	15.70	10.65	F0503WVA-S-39P	19.00	25.20	20.15
F0503WVA-S-21P	10.00	16.20	11.15	F0503WVA-S-40P	19.50	25.70	20.65
F0503WVA-S-22P	10.50	16.70	11.65	F0503WVA-S-45P	22.00	28.20	23.15

Unit:mm



F0503 SERIES

0.50mm pitch FFC/FPC connector



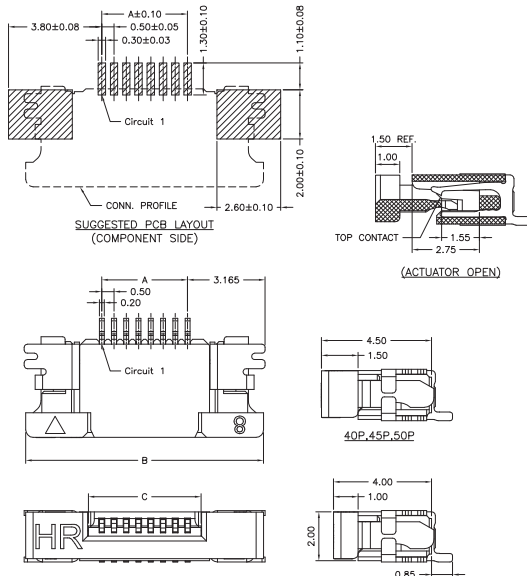
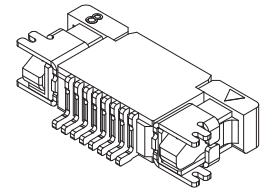
F0503WR-S

0.50mm pitch FFC/FPC 90° Connector, ZIF, SMT TYPE,
Top Contact Style

Reference Informations:

*Material: Pin: Phosphor Bronze/Gold-flash
Solder Tabs: Brass/Gold-flash
Housing: Nylon 6T,UL94V-0
Actuator: Nylon 6T,UL94V-0

	F0503WR-S-30P						
	N	L	N	G1	G	T0	R
	①	②	③	④	⑤	⑥	⑦
①	N=Halogen Free						
②	Material: L=LCP						
③	Color: N=Natural(Beige)						
④	Plating code: G1=Gold-flash						
⑤	Plating code: G=Gold-flash						
⑥	Option code: T0=Top contact						
⑦	Packing code: R=Tape & Reel						



Ordering Information & Dimensions:

PART NO.	Dimensions			PART NO.	Dimensions		
	A	B	C		A	B	C
F0503WR-S-04PT	1.50	7.70	2.60	F0503WR-S-24PT	11.50	17.70	12.60
F0503WR-S-05PT	2.00	8.20	3.10	F0503WR-S-25PT	12.00	18.20	13.10
F0503WR-S-06PT	2.50	8.70	3.60	F0503WR-S-26PT	12.50	18.70	13.60
F0503WR-S-07PT	3.00	9.20	4.10	F0503WR-S-27PT	13.00	19.20	14.10
F0503WR-S-08PT	3.50	9.70	4.60	F0503WR-S-28PT	13.50	19.70	14.60
F0503WR-S-09PT	4.00	10.20	5.10	F0503WR-S-29PT	14.00	20.20	15.10
F0503WR-S-10PT	4.50	10.70	5.60	F0503WR-S-30PT	14.50	20.70	15.60
F0503WR-S-11PT	5.00	11.20	6.10	F0503WR-S-31PT	15.00	21.20	16.10
F0503WR-S-12PT	5.50	11.70	6.60	F0503WR-S-32PT	15.50	21.70	16.60
F0503WR-S-13PT	6.00	12.20	7.10	F0503WR-S-33PT	16.00	22.20	17.10
F0503WR-S-14PT	6.50	12.70	7.60	F0503WR-S-34PT	16.50	22.70	17.60
F0503WR-S-15PT	7.00	13.20	8.10	F0503WR-S-35PT	17.00	23.20	18.10
F0503WR-S-16PT	7.50	13.70	8.60	F0503WR-S-36PT	17.50	23.70	18.60
F0503WR-S-17PT	8.00	14.20	9.10	F0503WR-S-37PT	18.00	24.20	19.10
F0503WR-S-18PT	8.50	14.70	9.60	F0503WR-S-38PT	18.50	24.70	19.60
F0503WR-S-19PT	9.00	15.20	10.10	F0503WR-S-39PT	19.00	25.20	20.10
F0503WR-S-20PT	9.50	15.70	10.60	F0503WR-S-40PT	19.50	25.70	20.60
F0503WR-S-21PT	10.00	16.20	11.10	F0503WR-S-45PT	22.00	28.20	23.10
F0503WR-S-22PT	10.50	16.70	11.60	F0503WR-S-50PT	24.50	30.70	25.60
F0503WR-S-23PT	11.00	17.20	12.10				

Unit:mm



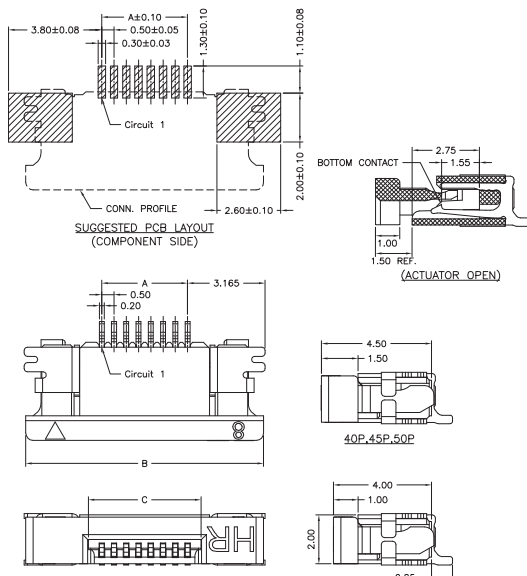
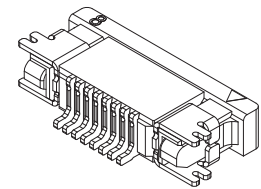
F0503WR-S

0.50mm pitch FFC/FPC 90° Connector, ZIF, SMT TYPE,
Bottom Contact Style

Reference Informations:

*Material: Pin: Phosphor Bronze/Gold-flash
Solder Tabs: Brass/Gold-flash
Housing: Nylon 6T,UL94V-0
Actuator: Nylon 6T,UL94V-0

	F0503WR-S-30P						
	N	L	N	G1	G	B0	R
	①	②	③	④	⑤	⑥	⑦
①	N=Halogen Free						
②	Material: L=LCP						
③	Color: N=Natural(Beige)						
④	Plating code: G1=Gold-flash						
⑤	Plating code: G=Gold-flash						
⑥	Option code: B0=Bottom contact						
⑦	Packing code: R=Tape & Reel						



Ordering Information & Dimensions:

PART NO.	Dimensions			PART NO.	Dimensions		
	A	B	C		A	B	C
F0503WR-S-04PB	1.50	7.70	2.60	F0503WR-S-24PB	11.50	17.70	12.60
F0503WR-S-05PB	2.00	8.20	3.10	F0503WR-S-25PB	12.00	18.20	13.10
F0503WR-S-06PB	2.50	8.70	3.60	F0503WR-S-26PB	12.50	18.70	13.60
F0503WR-S-07PB	3.00	9.20	4.10	F0503WR-S-27PB	13.00	19.20	14.10
F0503WR-S-08PB	3.50	9.70	4.60	F0503WR-S-28PB	13.50	19.70	14.60
F0503WR-S-09PB	4.00	10.20	5.10	F0503WR-S-29PB	14.00	20.20	15.10
F0503WR-S-10PB	4.50	10.70	5.60	F0503WR-S-30PB	14.50	20.70	15.60
F0503WR-S-11PB	5.00	11.20	6.10	F0503WR-S-31PB	15.00	21.20	16.10
F0503WR-S-12PB	5.50	11.70	6.60	F0503WR-S-32PB	15.50	21.70	16.60
F0503WR-S-13PB	6.00	12.20	7.10	F0503WR-S-33PB	16.00	22.20	17.10
F0503WR-S-14PB	6.50	12.70	7.60	F0503WR-S-34PB	16.50	22.70	17.60
F0503WR-S-15PB	7.00	13.20	8.10	F0503WR-S-35PB	17.00	23.20	18.10
F0503WR-S-16PB	7.50	13.70	8.60	F0503WR-S-36PB	17.50	23.70	18.60
F0503WR-S-17PB	8.00	14.20	9.10	F0503WR-S-37PB	18.00	24.20	19.10
F0503WR-S-18PB	8.50	14.70	9.60	F0503WR-S-38PB	18.50	24.70	19.60
F0503WR-S-19PB	9.00	15.20	10.10	F0503WR-S-39PB	19.00	25.20	20.10
F0503WR-S-20PB	9.50	15.70	10.60	F0503WR-S-40PB	19.50	25.70	20.60
F0503WR-S-21PB	10.00	16.20	11.10	F0503WR-S-45PB	22.00	28.20	23.10
F0503WR-S-22PB	10.50	16.70	11.60	F0503WR-S-50PB	24.50	30.70	25.60
F0503WR-S-23PB	11.00	17.20	12.10				

Unit:mm