

## 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  
F0501 WR-S-30P DT1

① Series No.

② Connector type: WR=Right angle

③ Mounting type: S=SMT

④ No. of circuits

⑤ Option code:

DT1=Top contact style, Gold-plated, Taping reel

DB1=Bottom contact style, Gold-plated, Taping reel



# F0501 SERIES

0.50mm pitch FFC/FPC connector



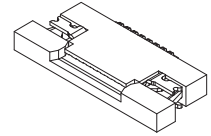
## F0501WR-S

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

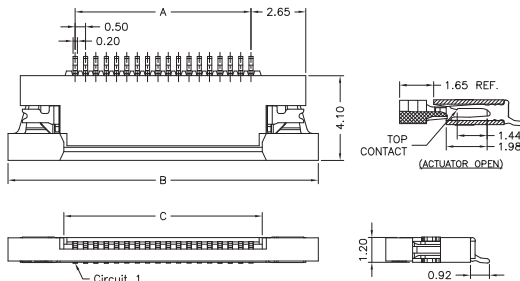
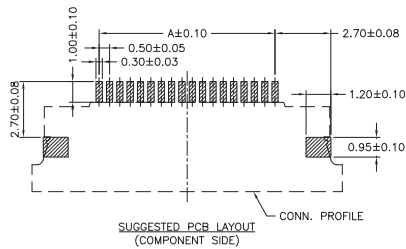
### Reference Informations:

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

|   |                                  |   |   |   |    |   |    |   |
|---|----------------------------------|---|---|---|----|---|----|---|
|   | F0501WR-S-30P                    | N | L | N | G2 | 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: G2=Gold-plated 3u" |   |   |   |    |   |    |   |
| ⑤ | Plating code: G=Gold-flash       |   |   |   |    |   |    |   |
| ⑥ | Option code: T0=Top contact      |   |   |   |    |   |    |   |
| ⑦ | Packing code: R=Tape & Reel      |   |   |   |    |   |    |   |



### Ordering Information & Dimensions:



| PART NO.         | Dimensions |       |       |
|------------------|------------|-------|-------|
|                  | A          | B     | C     |
| F0501WR-S-04PDT1 | 1.50       | 8.00  | 2.60  |
| F0501WR-S-05PDT1 | 2.00       | 8.50  | 3.10  |
| F0501WR-S-06PDT1 | 2.50       | 9.00  | 3.60  |
| F0501WR-S-07PDT1 | 3.00       | 9.50  | 4.10  |
| F0501WR-S-08PDT1 | 3.50       | 10.00 | 4.60  |
| F0501WR-S-09PDT1 | 4.00       | 10.50 | 5.10  |
| F0501WR-S-10PDT1 | 4.50       | 11.00 | 5.60  |
| F0501WR-S-11PDT1 | 5.00       | 11.50 | 6.10  |
| F0501WR-S-12PDT1 | 5.50       | 12.00 | 6.60  |
| F0501WR-S-13PDT1 | 6.00       | 12.50 | 7.10  |
| F0501WR-S-14PDT1 | 6.50       | 13.00 | 7.60  |
| F0501WR-S-15PDT1 | 7.00       | 13.50 | 8.10  |
| F0501WR-S-16PDT1 | 7.50       | 14.00 | 8.60  |
| F0501WR-S-17PDT1 | 8.00       | 14.50 | 9.10  |
| F0501WR-S-18PDT1 | 8.50       | 15.00 | 9.60  |
| F0501WR-S-19PDT1 | 9.00       | 15.50 | 10.10 |
| F0501WR-S-20PDT1 | 9.50       | 16.00 | 10.60 |
| F0501WR-S-21PDT1 | 10.00      | 16.50 | 11.10 |
| F0501WR-S-22PDT1 | 10.50      | 17.00 | 11.60 |
| F0501WR-S-23PDT1 | 11.00      | 17.50 | 12.10 |
| F0501WR-S-24PDT1 | 11.50      | 18.00 | 12.60 |
| F0501WR-S-25PDT1 | 12.00      | 18.50 | 13.10 |
| F0501WR-S-26PDT1 | 12.50      | 19.00 | 13.60 |
| F0501WR-S-27PDT1 | 13.00      | 19.50 | 14.10 |

| PART NO.         | Dimensions |       |       |
|------------------|------------|-------|-------|
|                  | A          | B     | C     |
| F0501WR-S-28PDT1 | 13.50      | 20.00 | 14.60 |
| F0501WR-S-29PDT1 | 14.00      | 20.50 | 15.10 |
| F0501WR-S-30PDT1 | 14.50      | 21.00 | 15.60 |
| F0501WR-S-31PDT1 | 15.00      | 21.50 | 16.10 |
| F0501WR-S-32PDT1 | 15.50      | 22.00 | 16.60 |
| F0501WR-S-33PDT1 | 16.00      | 22.50 | 17.10 |
| F0501WR-S-34PDT1 | 16.50      | 23.00 | 17.60 |
| F0501WR-S-35PDT1 | 17.00      | 23.50 | 18.10 |
| F0501WR-S-36PDT1 | 17.50      | 24.00 | 18.60 |
| F0501WR-S-37PDT1 | 18.00      | 24.50 | 19.10 |
| F0501WR-S-38PDT1 | 18.50      | 25.00 | 19.60 |
| F0501WR-S-39PDT1 | 19.00      | 25.50 | 20.10 |
| F0501WR-S-40PDT1 | 19.50      | 26.00 | 20.60 |
| F0501WR-S-41PDT1 | 20.00      | 26.50 | 21.10 |
| F0501WR-S-42PDT1 | 20.50      | 27.00 | 21.60 |
| F0501WR-S-43PDT1 | 21.00      | 27.50 | 22.10 |
| F0501WR-S-44PDT1 | 21.50      | 28.00 | 22.60 |
| F0501WR-S-45PDT1 | 22.00      | 28.50 | 23.10 |
| F0501WR-S-46PDT1 | 22.50      | 29.00 | 23.60 |
| F0501WR-S-47PDT1 | 23.00      | 29.50 | 24.10 |
| F0501WR-S-48PDT1 | 23.50      | 30.00 | 24.60 |
| F0501WR-S-49PDT1 | 24.00      | 30.50 | 25.10 |
| F0501WR-S-50PDT1 | 24.50      | 31.00 | 25.60 |

Unit:mm



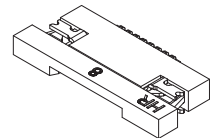
## F0501WR-S

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

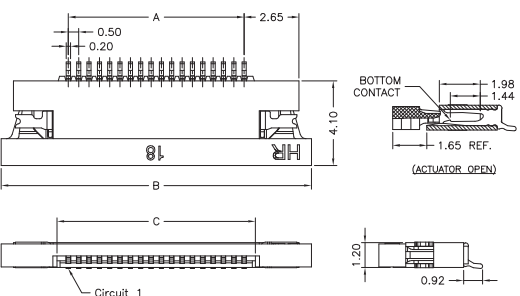
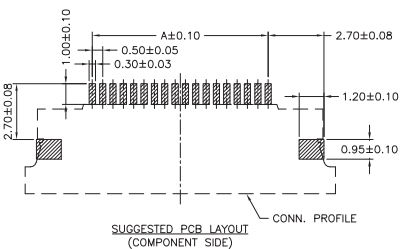
### Reference Informations:

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

|   |                                  |   |   |   |    |   |    |   |
|---|----------------------------------|---|---|---|----|---|----|---|
|   | F0501WR-S-30P                    | N | L | N | G2 | 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: G2=Gold-plated 3u" |   |   |   |    |   |    |   |
| ⑤ | Plating code: G=Gold-flash       |   |   |   |    |   |    |   |
| ⑥ | Option code: B0=Bottom contact   |   |   |   |    |   |    |   |
| ⑦ | Packing code: R=Tape & Reel      |   |   |   |    |   |    |   |



### Ordering Information & Dimensions:



| PART NO.         | Dimensions |       |       |
|------------------|------------|-------|-------|
|                  | A          | B     | C     |
| F0501WR-S-04PDB1 | 1.50       | 8.00  | 2.60  |
| F0501WR-S-05PDB1 | 2.00       | 8.50  | 3.10  |
| F0501WR-S-06PDB1 | 2.50       | 9.00  | 3.60  |
| F0501WR-S-07PDB1 | 3.00       | 9.50  | 4.10  |
| F0501WR-S-08PDB1 | 3.50       | 10.00 | 4.60  |
| F0501WR-S-09PDB1 | 4.00       | 10.50 | 5.10  |
| F0501WR-S-10PDB1 | 4.50       | 11.00 | 5.60  |
| F0501WR-S-11PDB1 | 5.00       | 11.50 | 6.10  |
| F0501WR-S-12PDB1 | 5.50       | 12.00 | 6.60  |
| F0501WR-S-13PDB1 | 6.00       | 12.50 | 7.10  |
| F0501WR-S-14PDB1 | 6.50       | 13.00 | 7.60  |
| F0501WR-S-15PDB1 | 7.00       | 13.50 | 8.10  |
| F0501WR-S-16PDB1 | 7.50       | 14.00 | 8.60  |
| F0501WR-S-17PDB1 | 8.00       | 14.50 | 9.10  |
| F0501WR-S-18PDB1 | 8.50       | 15.00 | 9.60  |
| F0501WR-S-19PDB1 | 9.00       | 15.50 | 10.10 |
| F0501WR-S-20PDB1 | 9.50       | 16.00 | 10.60 |
| F0501WR-S-21PDB1 | 10.00      | 16.50 | 11.10 |
| F0501WR-S-22PDB1 | 10.50      | 17.00 | 11.60 |
| F0501WR-S-23PDB1 | 11.00      | 17.50 | 12.10 |
| F0501WR-S-24PDB1 | 11.50      | 18.00 | 12.60 |
| F0501WR-S-25PDB1 | 12.00      | 18.50 | 13.10 |
| F0501WR-S-26PDB1 | 12.50      | 19.00 | 13.60 |
| F0501WR-S-27PDB1 | 13.00      | 19.50 | 14.10 |

| PART NO.         | Dimensions |       |       |
|------------------|------------|-------|-------|
|                  | A          | B     | C     |
| F0501WR-S-28PDB1 | 13.50      | 20.00 | 14.60 |
| F0501WR-S-29PDB1 | 14.00      | 20.50 | 15.10 |
| F0501WR-S-30PDB1 | 14.50      | 21.00 | 15.60 |
| F0501WR-S-31PDB1 | 15.00      | 21.50 | 16.10 |
| F0501WR-S-32PDB1 | 15.50      | 22.00 | 16.60 |
| F0501WR-S-33PDB1 | 16.00      | 22.50 | 17.10 |
| F0501WR-S-34PDB1 | 16.50      | 23.00 | 17.60 |
| F0501WR-S-35PDB1 | 17.00      | 23.50 | 18.10 |
| F0501WR-S-36PDB1 | 17.50      | 24.00 | 18.60 |
| F0501WR-S-37PDB1 | 18.00      | 24.50 | 19.10 |
| F0501WR-S-38PDB1 | 18.50      | 25.00 | 19.60 |
| F0501WR-S-39PDB1 | 19.00      | 25.50 | 20.10 |
| F0501WR-S-40PDB1 | 19.50      | 26.00 | 20.60 |
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| F0501WR-S-42PDB1 | 20.50      | 27.00 | 21.60 |
| F0501WR-S-43PDB1 | 21.00      | 27.50 | 22.10 |
| F0501WR-S-44PDB1 | 21.50      | 28.00 | 22.60 |
| F0501WR-S-45PDB1 | 22.00      | 28.50 | 23.10 |
| F0501WR-S-46PDB1 | 22.50      | 29.00 | 23.60 |
| F0501WR-S-47PDB1 | 23.00      | 29.50 | 24.10 |
| F0501WR-S-48PDB1 | 23.50      | 30.00 | 24.60 |
| F0501WR-S-49PDB1 | 24.00      | 30.50 | 25.10 |
| F0501WR-S-50PDB1 | 24.50      | 31.00 | 25.60 |

Unit:mm