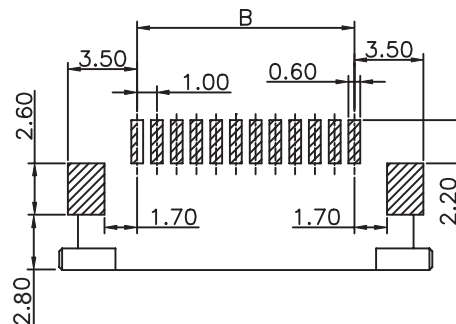


APPLICABLE FFC LAYOUT  
(THICKNESS: 0.29 to 0.34)



RECOMMENDED PCB LAYOUT - COMPONENT VIEW

MATERIAL:  
HOUSING MATERIAL: PPS  
COLOR: BEIGE  
ACTUATOR MATERIAL: PPS  
COLOR: BLACK  
CONTACT MATERIAL: PHOSPOR BRONZE  
CONTACT PLATING: 100μ" TIN OVER 50μ" NI  
QUALITY CLASS: 25 MATING CYCLES\*

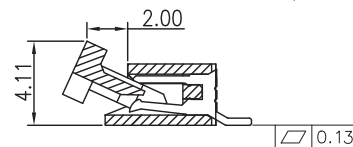
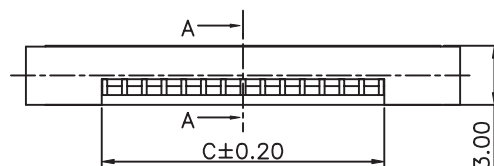
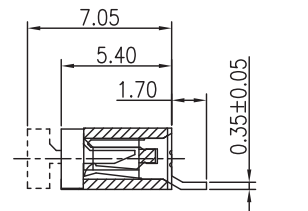
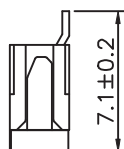
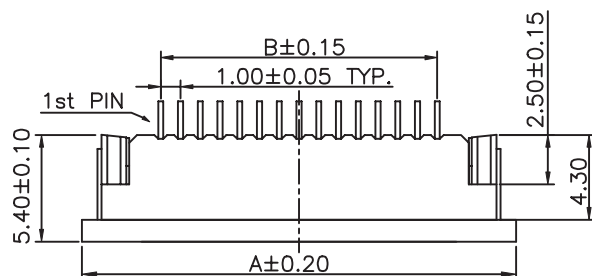
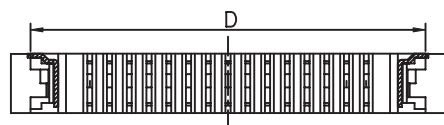
ENVIRONMENTAL:  
OPERATING TEMPERATURE: -25°C UP TO 85°C  
FLAMABILITY RATING: UL94-V0  
COMPLIANCE: LEAD FREE AND ROHS

ELECTRICAL:  
CURRENT RATING: 1A  
WORKING VOLTAGE: 125V  
INSULATION RESISTANCE: >100MOHM  
DIELECTRIC WITHSTANDING VOLT.: 500VAC/MN  
CONTACT RESISTANCE: 20mOHM MAX



STANDARD  
CERTIFIED: E323964 / MODEL NUMBER 686  
FOLLOWED BY 1, FOLLOWED BY 03 THRU 30, FOLLOWED  
BY 141 OR 144, FOLLOWED BY NUMERIC DIGITS

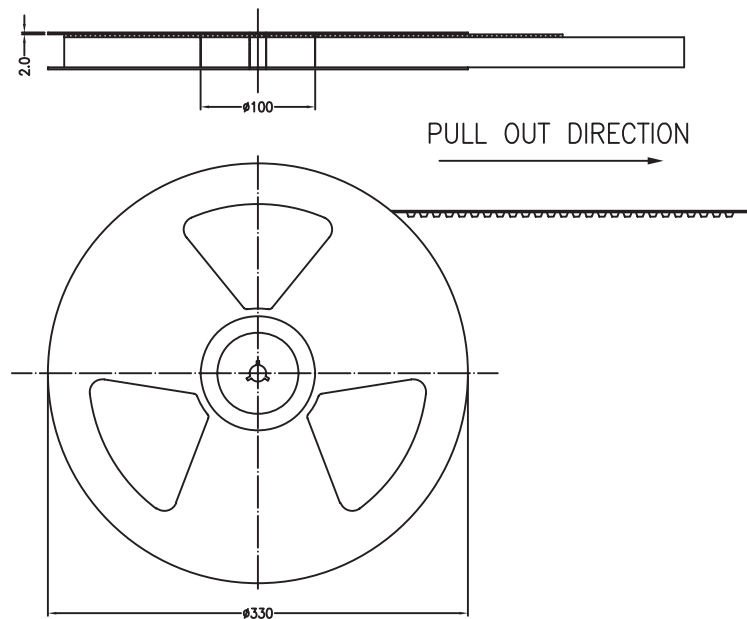
SOLDERING:  
REFLOW PROCESS ONLY

DIMENSION:  
A = B + 8.00  
B = 1.00 x (NB PINS - 1)  
C = B + 2.1  
D = B + 6.00

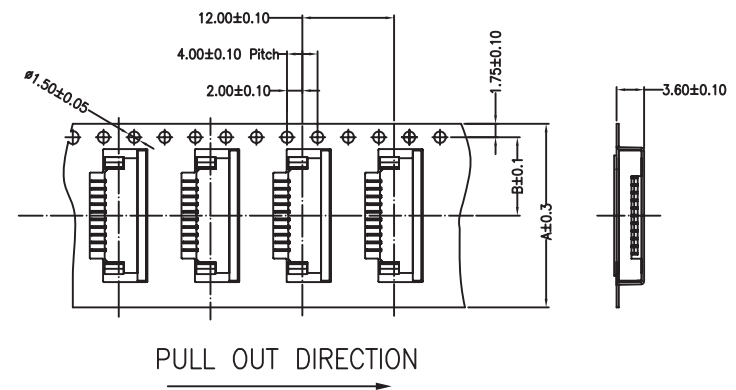
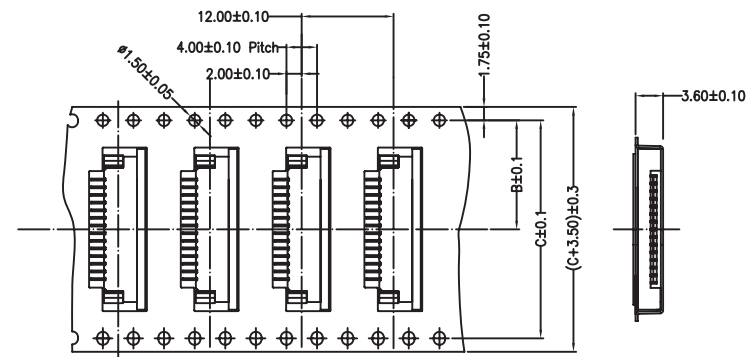


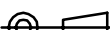

SECT. A-A

| RoHS Compliant |           | *NOTE: theoretical value related to the Tin plating; however, due to the sensitive actuator, we recommend not to make more than 1 or 2 cycles in order to maintain acceptable mechanical & electrical conditions |    |   |  |  |  |                   |
|----------------|-----------|--|----|---|--|--|--|-------------------|
|                |           |  |    | <div>PROJECTION:</div> <div></div> | <div>GENERAL TOLERANCE</div> <div>.X = <math>\pm</math> 0.2</div> <div>.XX = <math>\pm</math> 0.15</div> | <div></div> <div>WÜRTH ELEKTRONIK</div> |  |                   |
| M              | 13-DEC-13 | TPK UPDATE   | QL |   |  |  |  |                   |
| L              | 10-APR-13 | ACTUATOR   | AR |   |  |  |  |                   |
| K              | 23-JAN-13 | UNIT $\mu$ => $\mu$ "  | QL |   |  |  |  |                   |
| J              | 18-SEP-12 | MC NOTE  | GG | APPROVAL: RJ  | UNIT: MM   | DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING  |  | SIZE<br><b>A4</b> |
| I              | 28-JUN-12 | COLOR  | GG |   | SCALE:   |  |  |                   |
| H              | 26-JUN-12 | DIM  | GG |   | SHEET: 1/2   | WERI PART NO: 6861 xx 14422  |  |                   |
| REV            | DATE      | FILE   | BY |   | DRAW: PEARL  |  |  |                   |
|                |           |  |    |   |  |  |  |                   |

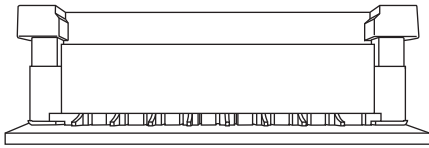


|             | 4-9 PIN | 10-14 PIN | 15-26 PIN | 27-30 PIN |
|-------------|---------|-----------|-----------|-----------|
| DIM.B       | 11.50   | 14.20     | 20.20     | 26.20     |
| DIM.C       | ---     | 28.40     | 40.40     | 52.40     |
| TAPE/CARTON | 8PCS    | 6PCS      | 5PCS      | 4PCS      |

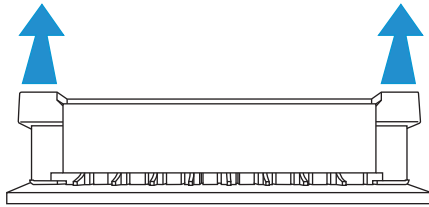


| RoHS Compliant |           |                 |    |   |  |  |  |                   |
|----------------|-----------|-----------------|----|---|--|--|--|-------------------|
| G              |           |                 |    | <div>PROJECTION:</div> <div></div> | <div>GENERAL TOLERANCE</div> <div>.X = <math>\pm</math> 0.2</div> <div>.XX = <math>\pm</math> 0.15</div> | <div></div> |  |                   |
| F              |           |                 |    |   |  |  |  |                   |
| E              |           |                 |    |   |  |  |  |                   |
| D              | 29-JUL-08 | INSERTION DEPTH | CH |   |  |  |  |                   |
| C              | 26-NOV-07 | MODIFICATIONS   | EC | APPROVAL: RJ  | UNIT: MM   | DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING                |  | SIZE<br><b>A4</b> |
| B              | 14-MAR-07 | CHARACTERISTIC  | EC |   | SCALE:   |  |  |                   |
| A              | 02-OCT-06 | PDF             | JP |   | SHEET: 2/2   | WERI PART NO: 6861 xx 14422  |  |                   |
| REV            | DATE      | FILE            | BY |   | DRAW: PEARL  |  |  |                   |

①



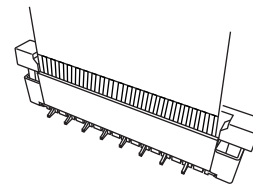
②



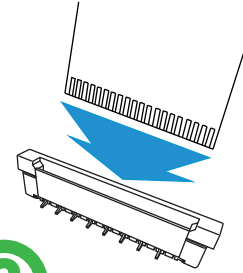
Pull the actuator upwards in the open position

Ⓐ

①



②



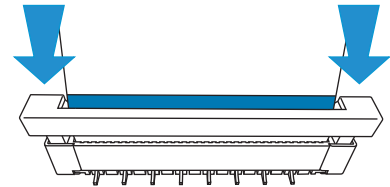
Insert the FFC cable vertically until the conductor almost disappears

Ⓑ

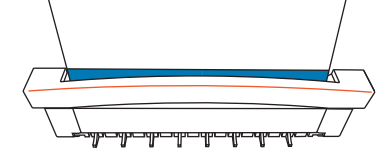


Press actuator in the middle to make there is no gap and the actuator is locked

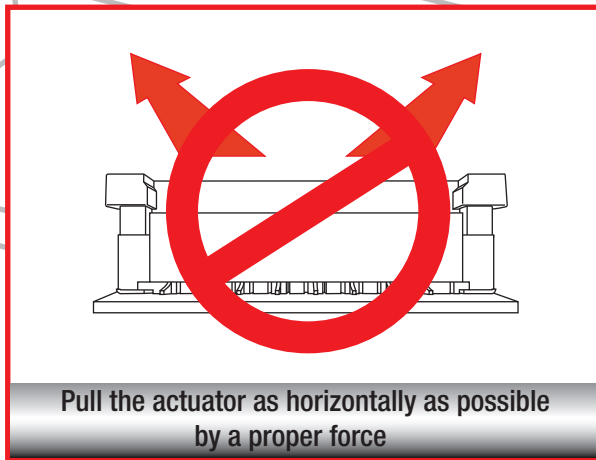
①



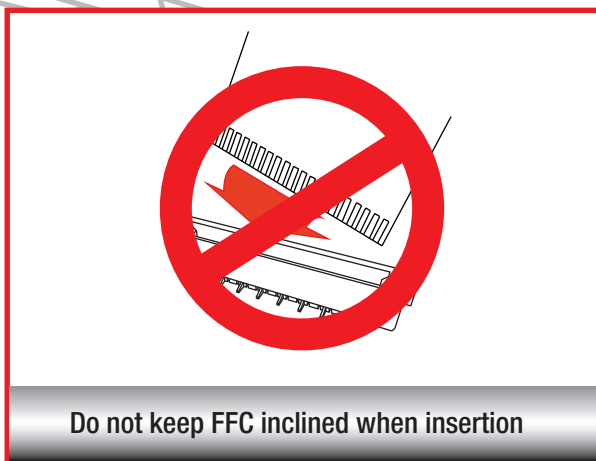
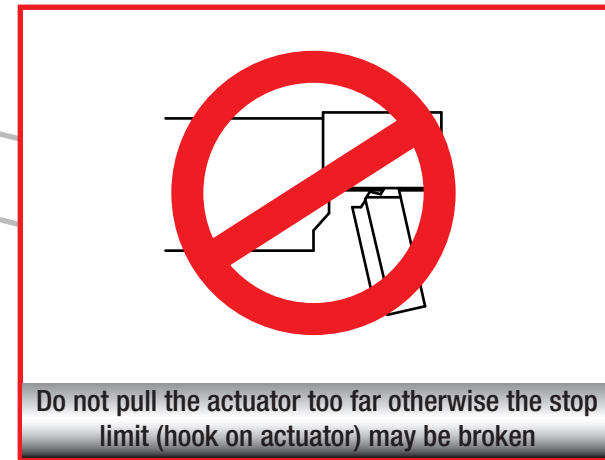
②



Press both ends of the actuator



A



B

