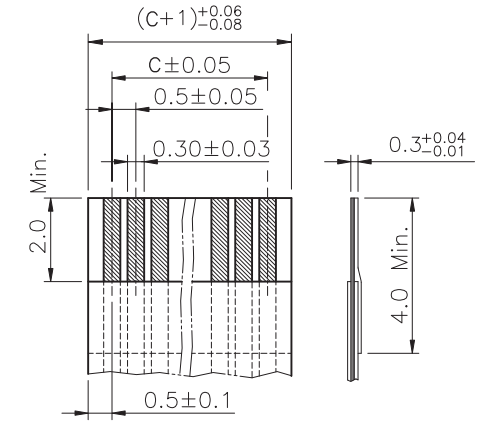
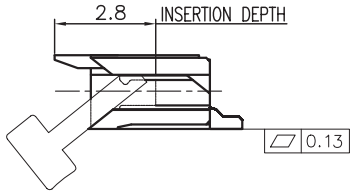
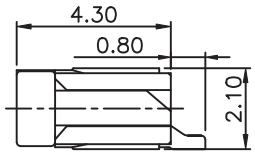
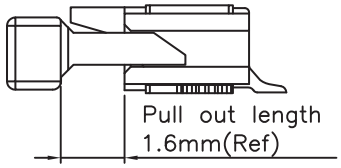
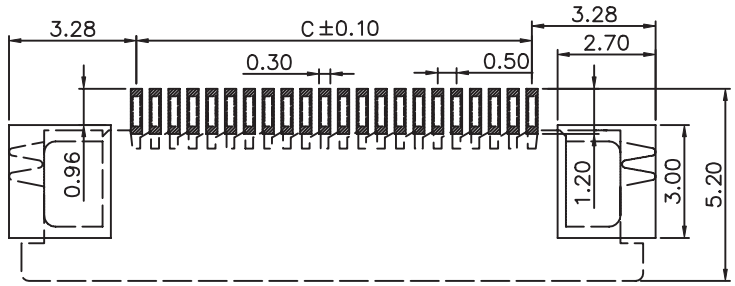


Accommodated FFC/FPC

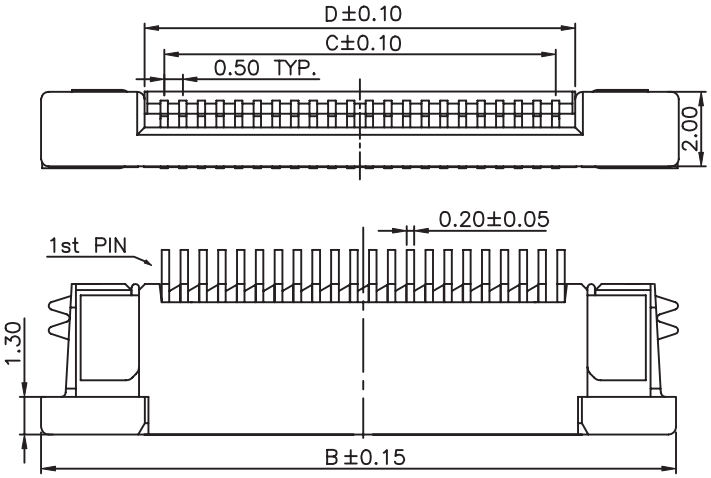








RECOMMENDED PCB LAYOUT - COMPONENT VIEW



MATERIAL:
HOUSING MATERIAL: LCP
COLOR: IVORY
ACTUATOR MATERIAL: PA9T
COLOR: BLACK
CONTACT MATERIAL: PHOSPOR BRONZE
CONTACT PLATING: 100µ" TIN OVER 50µ" NI
QUALITY CLASS: 25 MATING CYCLES*

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

ELECTRICAL:
CURRENT RATING: 0.5 A
WORKING VOLTAGE: 50 V
INSULATION RESISTANCE: >100 MOHM
DIELECTRIC WITHSTANDING VOLT.: 250 VAC/MN
CONTACT RESISTANCE: 20 mOHM MAX

STANDARD
CERTIFIED: E323964

FOLLOWED BY 1, FOLLOWED BY 04 THRU 50, FOLLOWED BY 140 OR 145, FOLLOWED BY NUMERIC DIGITS

SOLDERING:
JEDEC LEAD FREE REFLOW SOLDERING

DIMENSION:
B = 0.50 x NB PINS + 6.50
C = 0.50 x (NB PINS - 1)
D = 0.50 x (NB PINS + 1) + 0.10
E = 0.50 x (NB PINS + 1)

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

REV	DATE	FILE	BY
M	22-JUN-17	RECOMMEND. FFC	AK
L	25-APR-17	ACTUATOR MAT.	AK
K	09-MAY-16	TPK UPDATE	AK
J	07-JAN-16	DRAWING	AK
I	01-JUN-15	TPK UPDATE	QL
H	13-DEC-13	TPK UPDATE	QL

PROJECTION:

APPROVAL: GMo

GENERAL TOLERANCE
.X = +/- 0.2
.XX = +/- 0.15

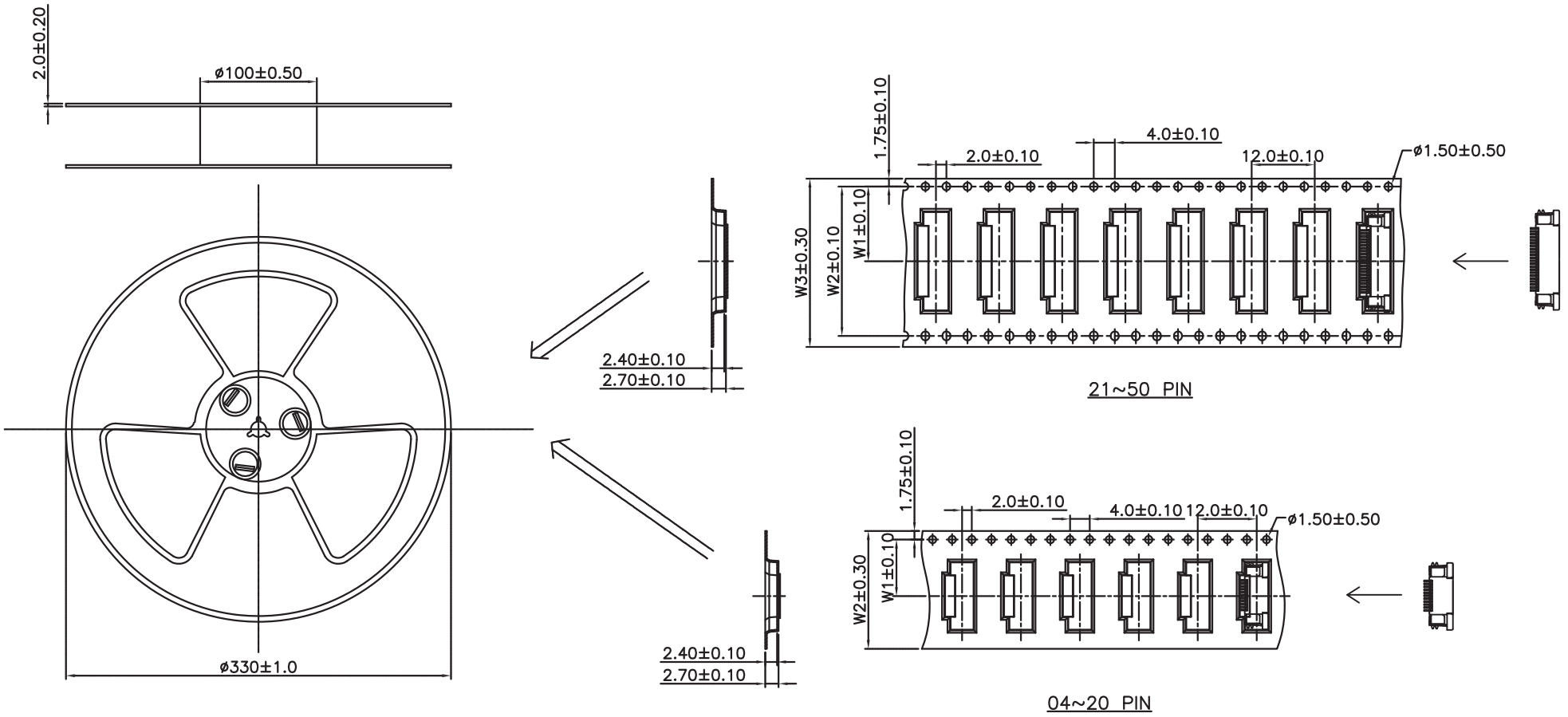
UNIT: MM
SCALE:
SHEET: 1/3
DRAW: PEARL

WÜRTH ELEKTRONIK

DESCRIPTION: 0.5MM ZIF FPC HORIZONTAL TOP CONTACT TYPE - TAPE & REEL PACKAGING

WERI PART NO: 687 1xx 140 22

SIZE **A4**



NOTE: 1. 04~06PIN: DIM W1:7.5mm W2:16.0mm PH:12mm
07~20PIN: DIM W1:11.5mm W2:24.0mm PH:12mm
21~30PIN: DIM W1:14.2mm W2:28.4mm W3:32.0mm PH:12mm
31~50PIN: DIM W1:20.2mm W2:40.4mm W3:44.0mm PH:12mm
2. 2000PCS/REEL

RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E			
D			
C			
B			
A			

PROJECTION:

GENERAL TOLERANCE
.X = +/_ 0.2
.XX = +/_ 0.15

APPROVAL: GMo

UNIT: MM
SCALE:
SHEET: 2/3
DRAW: QL

WÜRTH ELEKTRONIK

DESCRIPTION: 0.5MM ZIF FPC HORIZONTAL TOP CONTACT TYPE - TAPE & REEL PACKAGING

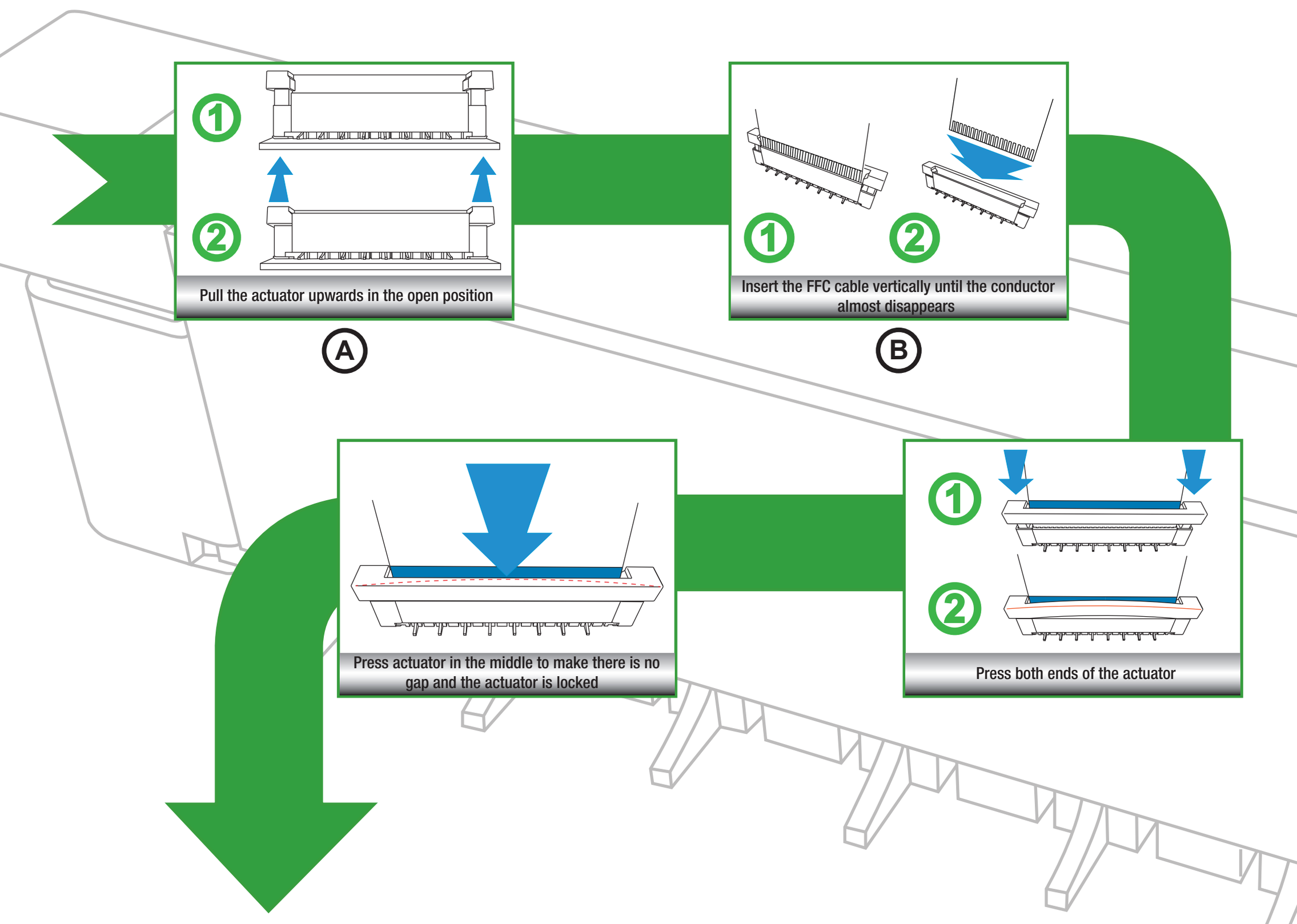
WERI PART NO: 6871 xx 140 22

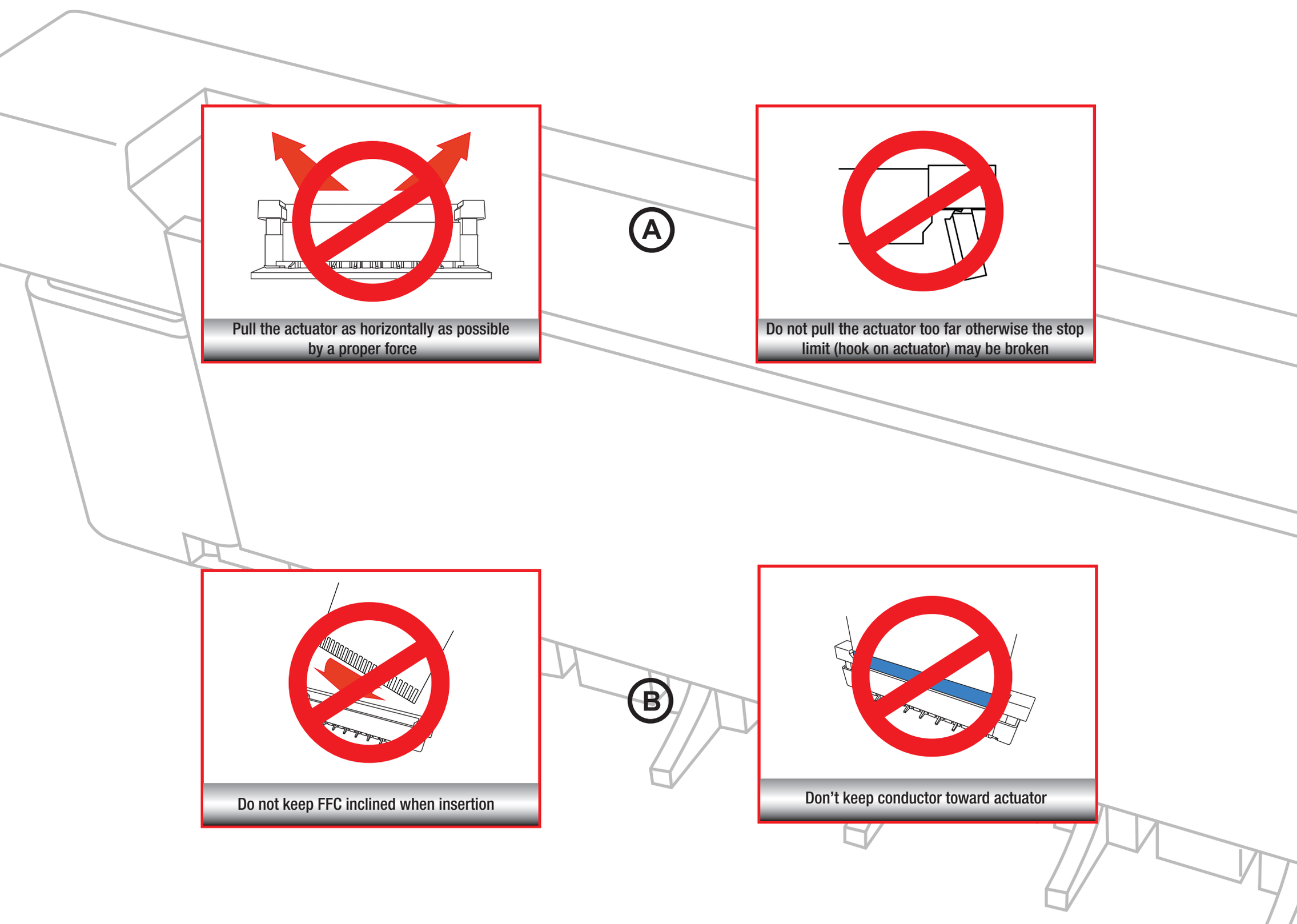
SIZE **A4**

Cautions and Warnings:

This electronic component is designed and developed with the intention for use
in general electronics equipments.
Before incorporating the components into any equipments in the field such as aerospace, aviation,
nuclear control, submarine, transportation, (automotive control, train control, ship control),
transportation signal, disaster prevention, medical, public information network etc. where higher safety
and reliability are especially required or if there is possibility of direct damage or injury to human body,
Wurth Elektronik must be asked for a written approval.
In addition, even electronic component in general electronic equipments, when used in electrical circuits
that require high safety, reliability functions or performance, the sufficient reliability evaluation-check
for the safety must be performed before by the user before usage.

RoHS Compliant							
G				PROJECTION:	GENERAL TOLERANCE	WÜRTH ELEKTRONIK	
F					.X = +/- 0.2		
E					.XX = +/- 0.15		
D							
C				APPROVAL: JC	UNIT: MM	DESCRIPTION: DISCLAIMER	SIZE
B					SCALE:		A4
A	10-SEP-14	PDF	QL		SHEET: 3/3	WERI PART NO: DISCLAIMER	
REV	DATE	FILE	BY		DRAW: QL		


1
2
Pull the actuator upwards in the open position
A
1
2
Insert the FFC cable vertically until the conductor almost disappears
B
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
Pull the actuator as horizontally as possible by a proper force
Do not pull the actuator too far otherwise the stop limit (hook on actuator) may be broken
B
Do not keep FFC inclined when insertion
Don’t keep conductor toward actuator