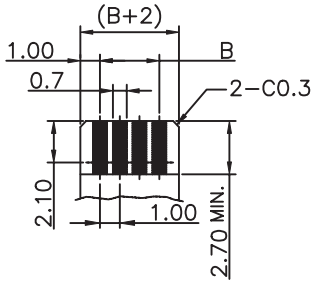
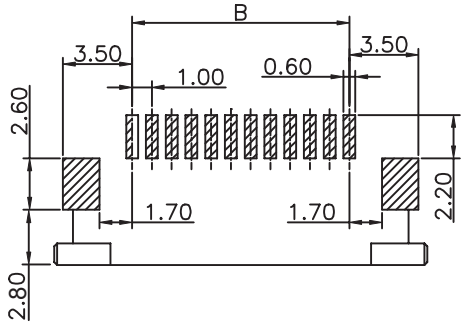
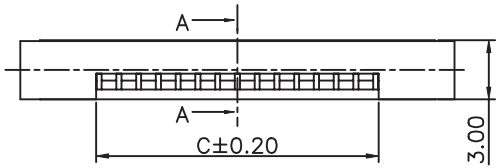
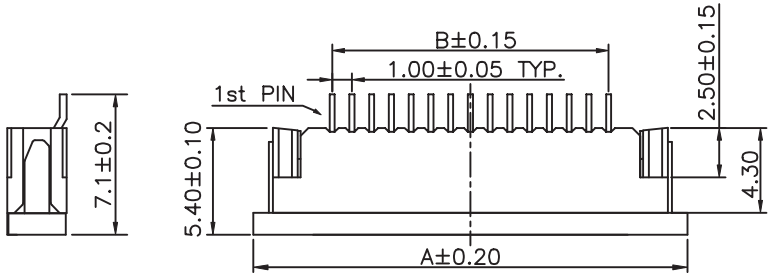


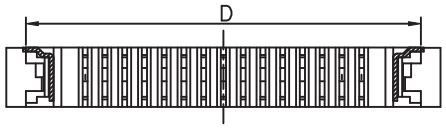
APPLICABLE FFC LAYOUT
(THICKNESS: 0.29 to 0.34)

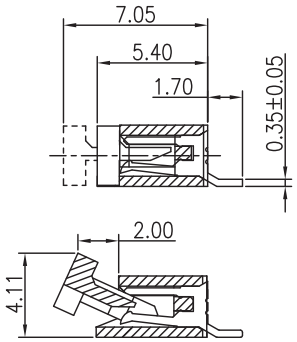


RECOMMENDED PCB LAYOUT - COMPONENT VIEW









SECT. A–A

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*

ENVIRONNEMENTAL:
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

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
N	05-JUN-15	TPK REVIEW	AK
M	13-DEC-13	TPK UPDATE	QL
L	10-APR-13	ACTUATOR	AR
K	23-JAN-13	UNIT µ => µ''	QL
J	18-SEP-12	MC NOTE	GG
I	28-JUN-12	COLOR	GG
H	26-JUN-12	DIM	GG

PROJECTION:

APPROVAL: GMo

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

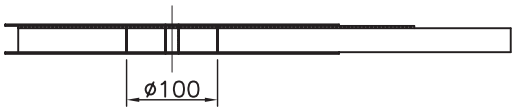
UNIT: MM
SCALE:
SHEET: 1/2
DRAW: PEARL

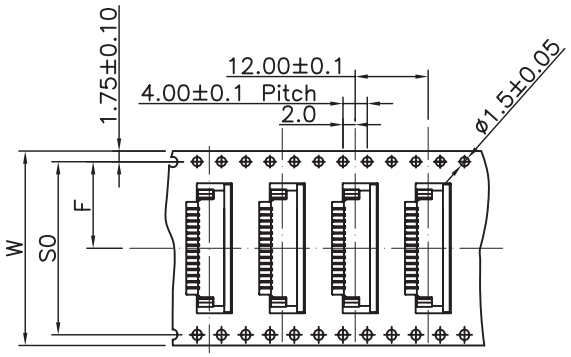
WÜRTH ELEKTRONIK

DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING

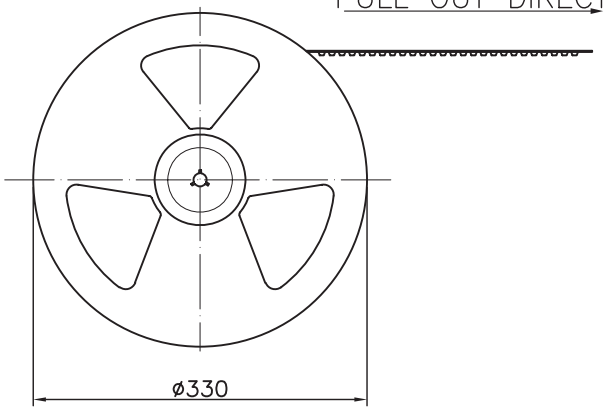
WERI PART NO: 686 1xx 144 22

SIZE
A4

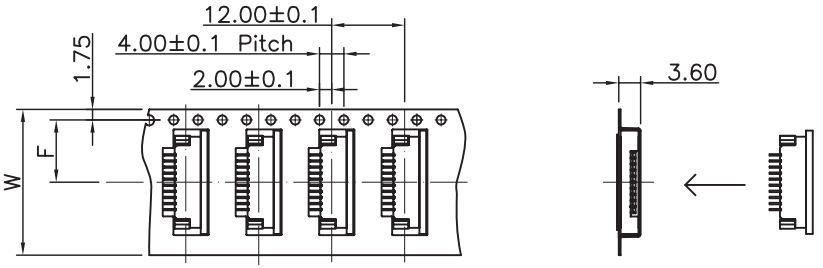




PULL OUT DIRECTION



PULL OUT DIRECTION



PULL OUT DIRECTION

PART–NO.	4–9PIN	10–14PIN	15–26PIN	27–30PIN
W	24.00	32.00	44.00	56.00
F	11.50	14.20	20.20	26.20
S0	— —	28.40	40.40	52.40

RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E			
D			
C			
B			
A			

PROJECTION:

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

WÜRTH ELEKTRONIK

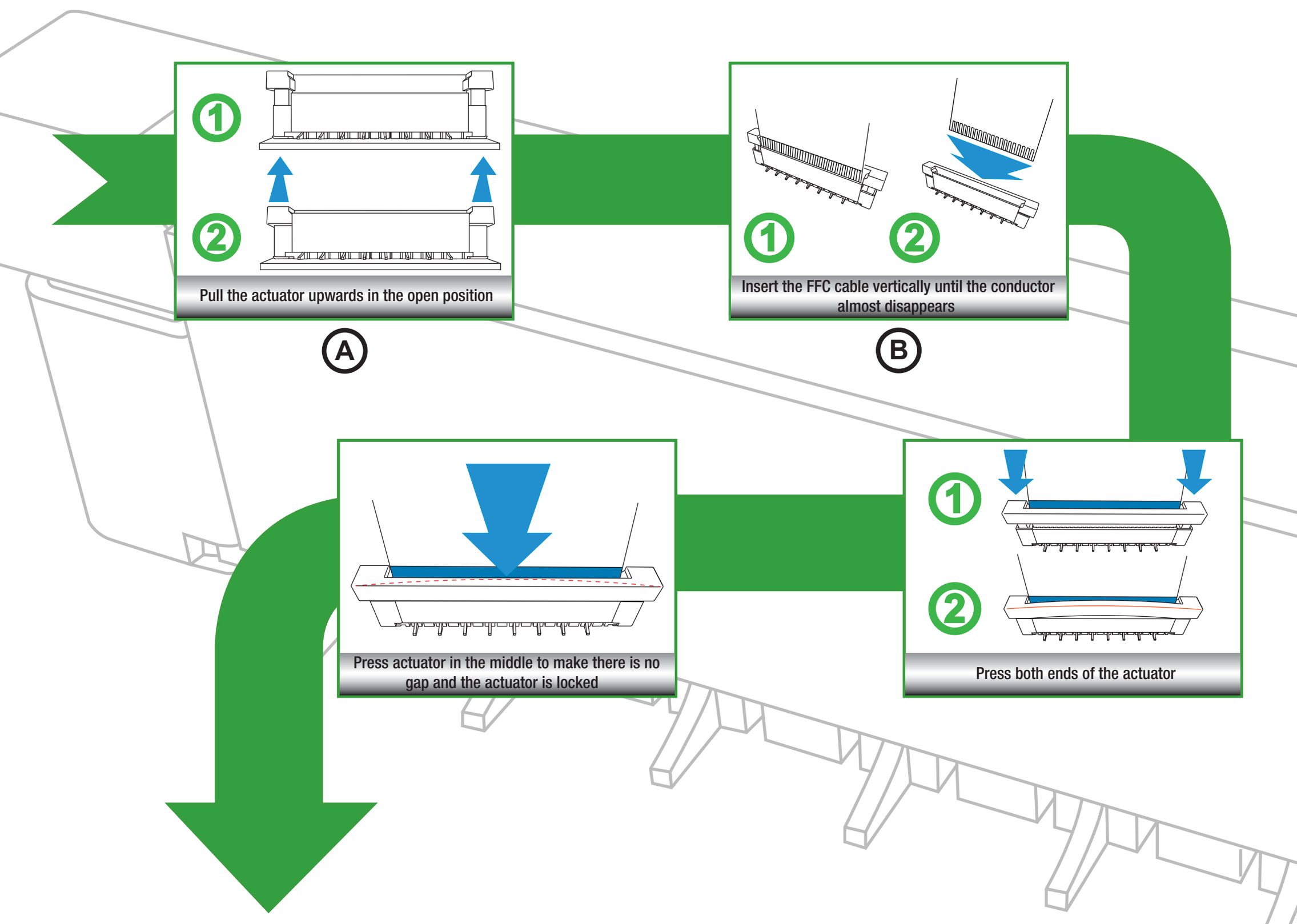
APPROVAL: GMo

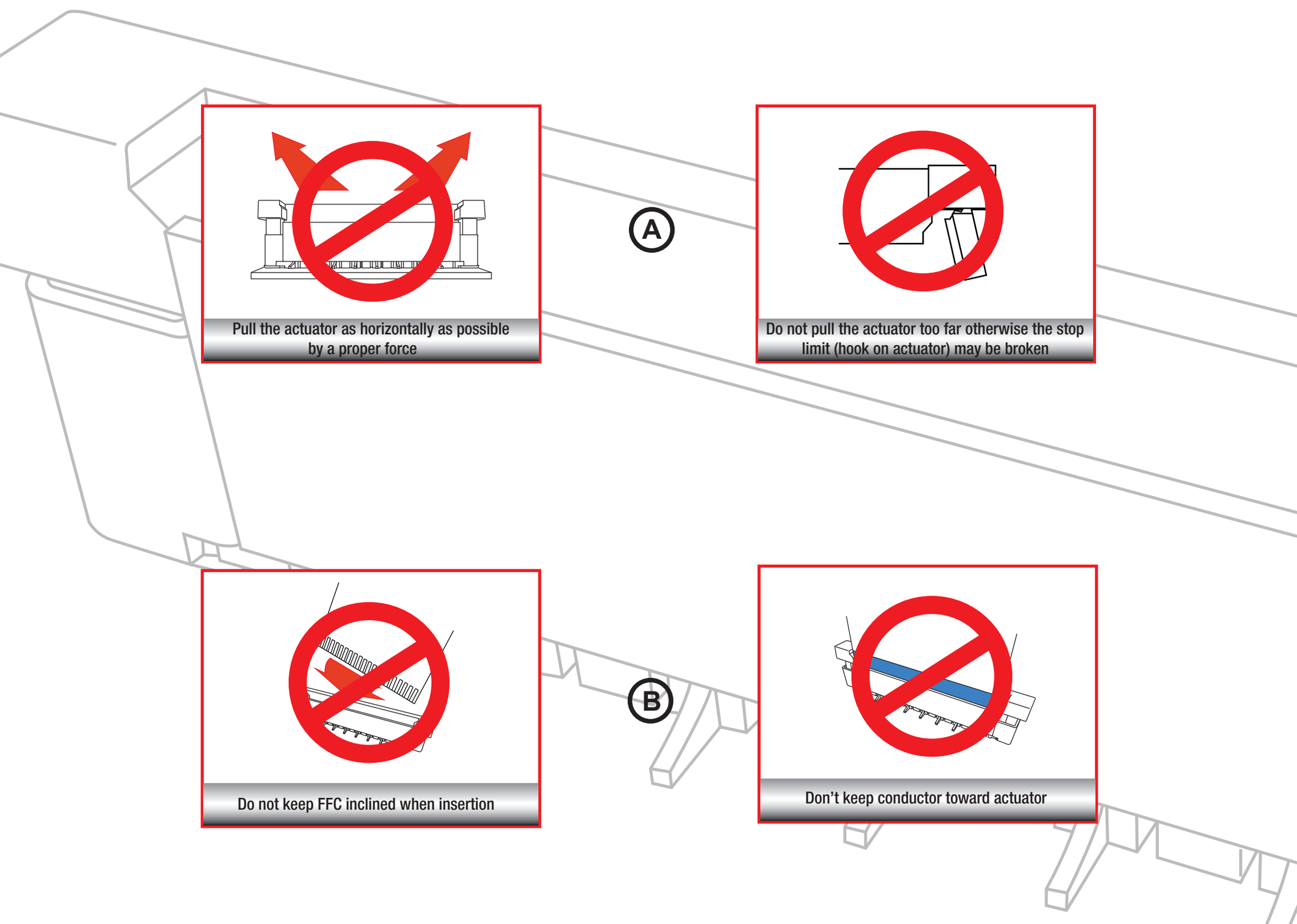
UNIT: MM
SCALE:
SHEET: 2/2
DRAW: AK

DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING

WERI PART NO: 686 1xx 144 22

SIZE **A4**


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