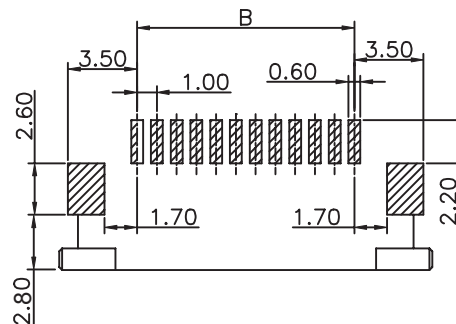


APPLICABLE FFC LAYOUT
(THICKNESS: 0.29 to 0.34)



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*

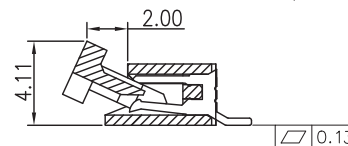
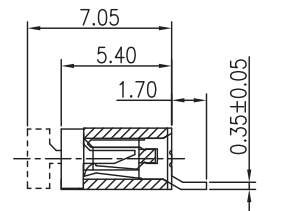
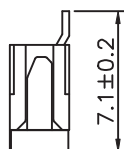
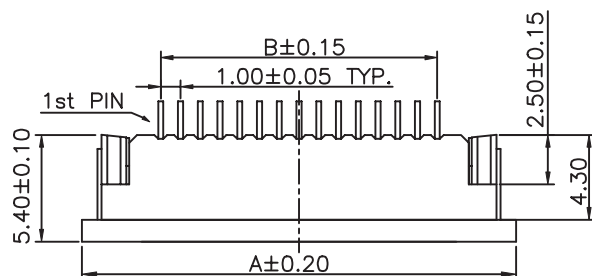
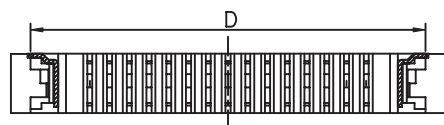
ENVIRONNEMENTAL:
OPERATING TEMPERATURE: -25°C UP TO 85°C
FLAMABILITY RATING: UL94-V0
COMPLIANCE: LEAD FREE AND ROHS

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

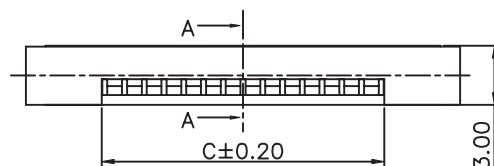
STANDARD
CERTIFIED: E323964 / MODEL NUMBER 686
FOLLOWED BY 1, FOLLOWED BY 03 THRU 30, FOLLOWED
BY 141 OR 144, FOLLOWED BY NUMERIC DIGITS

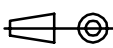
SOLDERING:
REFLOW PROCESS ONLY

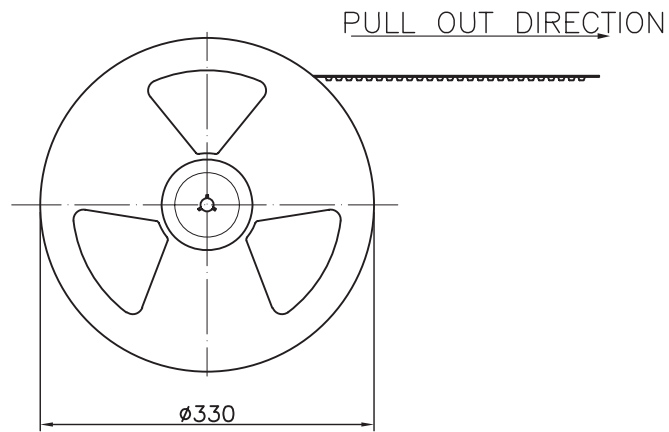
DIMENSION:
A = B + 8.00
B = 1.00 x (NB PINS - 1)
C = B + 2.1
D = B + 6.00



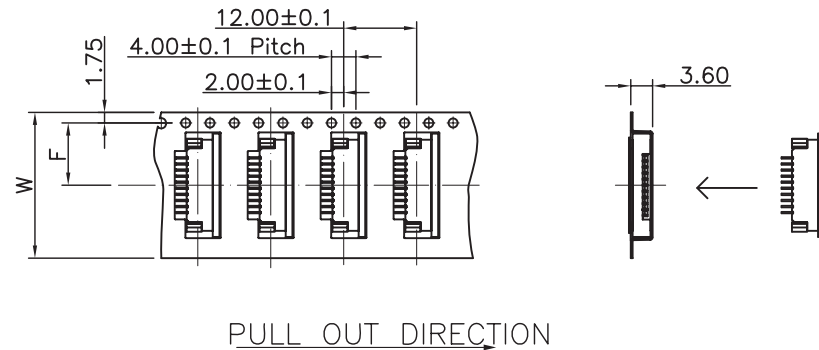
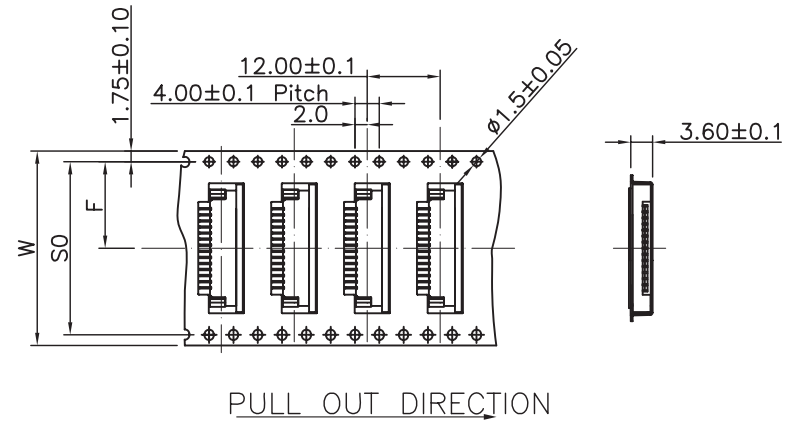
SECT. A-A



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			
N	05-JUN-15	TPK REVIEW	AK	PROJECTION: 	GENERAL TOLERANCE .X = +/_ 0.2 .XX = +/_ 0.15	 WÜRTH ELEKTRONIK	
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	APPROVAL: GMo	UNIT: MM	DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING	SIZE A4
I	28-JUN-12	COLOR	GG		SCALE:		
H	26-JUN-12	DIM	GG		SHEET: 1/2		
REV	DATE	FILE	BY		DRAW: PEARL		
					WERI PART NO: 686 1xx 144 22		



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			
G			
F			
E			
D			
C			
B			
A			
REV	DATE	FILE	BY

PROJECTION:



APPROVAL: GMo

GENERAL TOLERANCE

.X = ± 0.2

.XX = ± 0.15

UNIT: MM

SCALE:

SHEET: 2/2

DRAW: AK



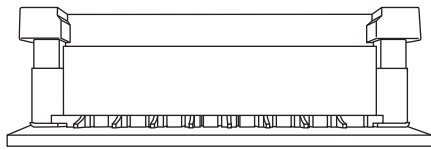
DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING

WERI PART NO: 686 1xx 144 22

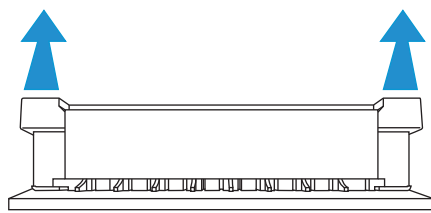
SIZE

A4

①



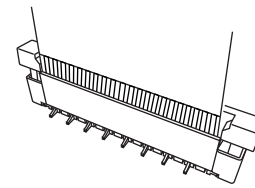
②



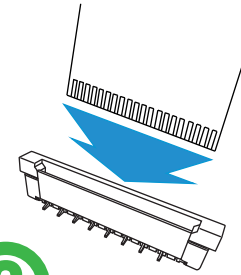
Pull the actuator upwards in the open position

Ⓐ

①



②



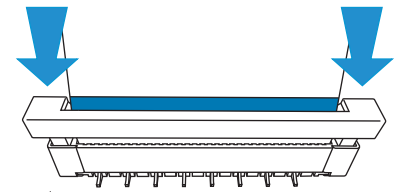
Insert the FFC cable vertically until the conductor almost disappears

Ⓑ

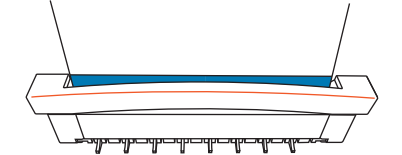


Press actuator in the middle to make there is no gap and the actuator is locked

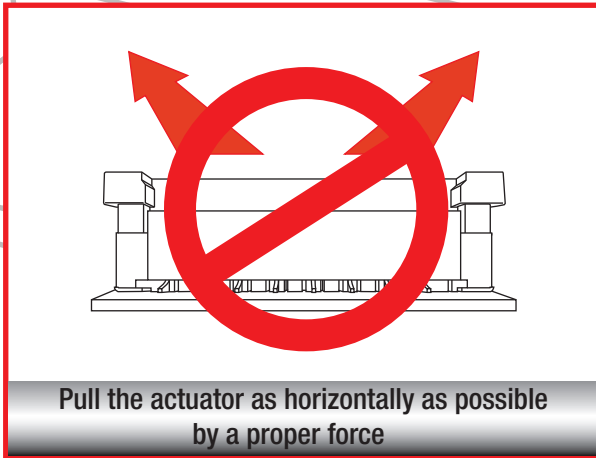
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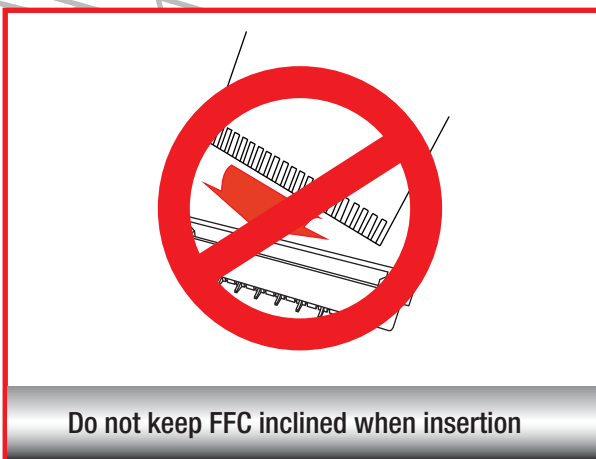
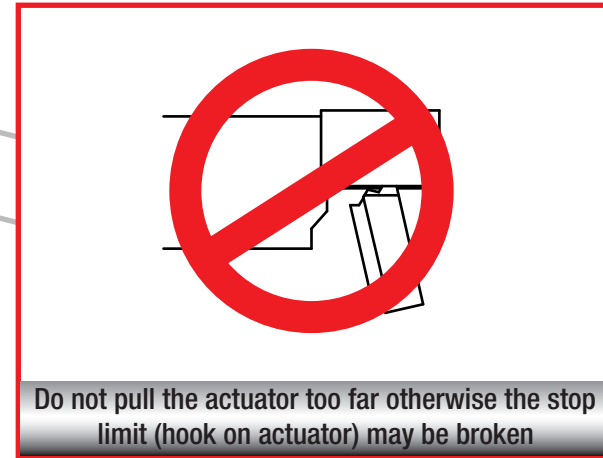
②



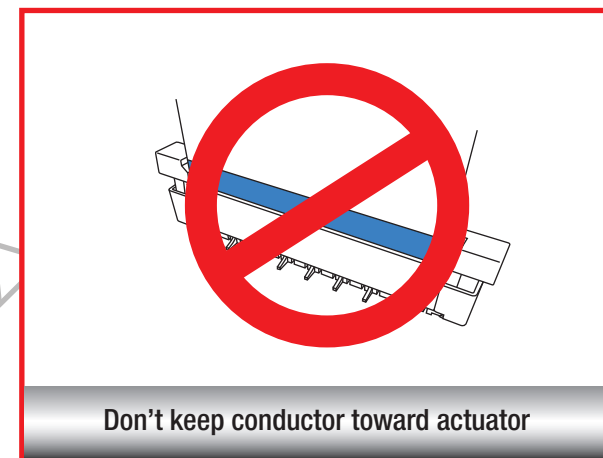
Press both ends of the actuator



A



B



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