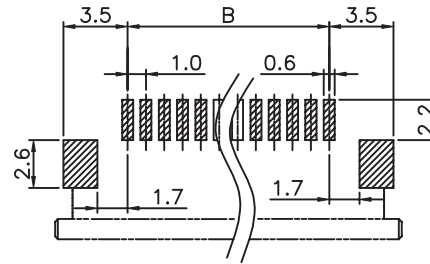
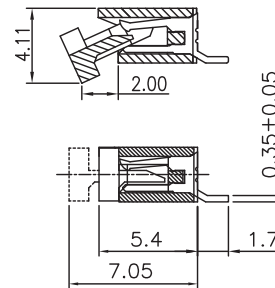
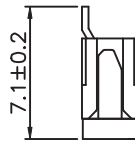
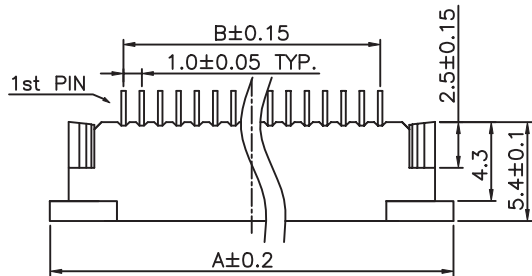
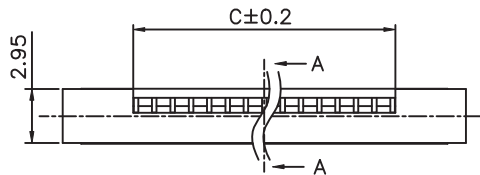


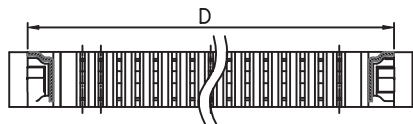
APPLICABLE FFC LAYOUT  
(THICKNESS: 0.29 to 0.34)



PCB LAYOUT - COMPONENT VIEW



SECT. A-A



MATERIAL:  
HOUSING MATERIAL: PPS  
COLOR: BEIGE  
ACTUATOR MATERIAL: PPS  
COLOR: BROWN  
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

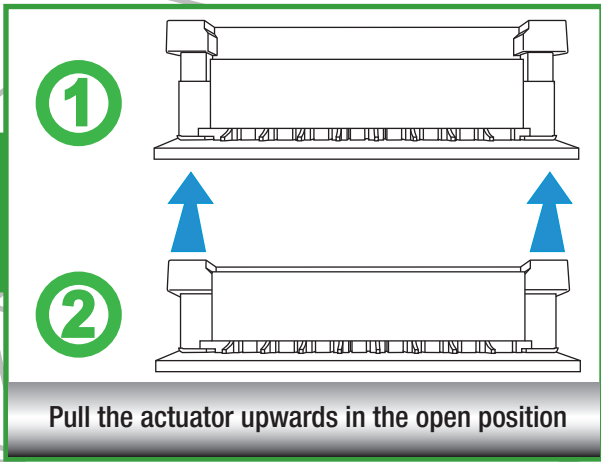
STANDARD  
CERTIFIED: E323964 / MODEL NUMBER 686  
FOLLOWED BY 1, FOLLOWED BY 03 THRU 30, FOLLOWED  
BY 141 OR 144, FOLLOWED BY NUMERIC DIGITS

SOLDERING:  
REFLOW PROCESS ONLY

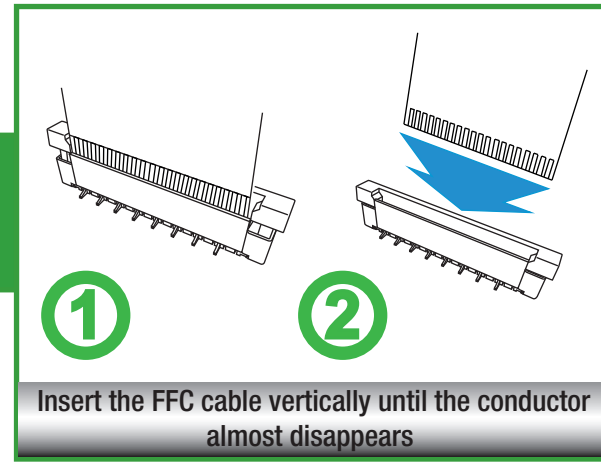
DIMENSION:  
A = B + 8.00  
B = 1.00 x (NB PINS - 1)  
C = B + 2.15  
D = B + 6.00

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				
N	08-JUL-16	DRAWING	AK	PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15	
M	05-JUN-15	TPK REVIEW	AK			
L	13-DEC-13	TPK UPDATE	QL			
K	10-APR-13	ACTUATOR	AR			
J	23-JAN-13	UNIT μ => μ"	QL	APPROVAL: Gmo	UNIT: MM	DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL TOP CONTACT TYPE - TAPE & REEL PACKAGING WERI PART NO: 686 1xx 141 22
I	18-SEP-12	MC NOTE	GG		SCALE:	
H	13-DEC-10	COPLANARITY	GG		SHEET: 1/2	
REV	DATE	FILE	BY		DRAW: AK	
						SIZE <b>A4</b>

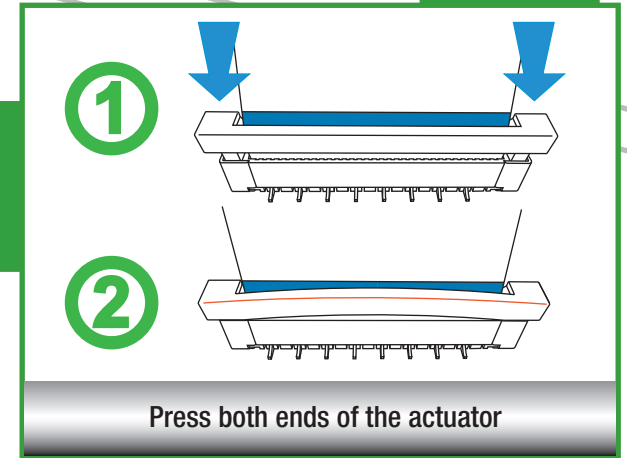
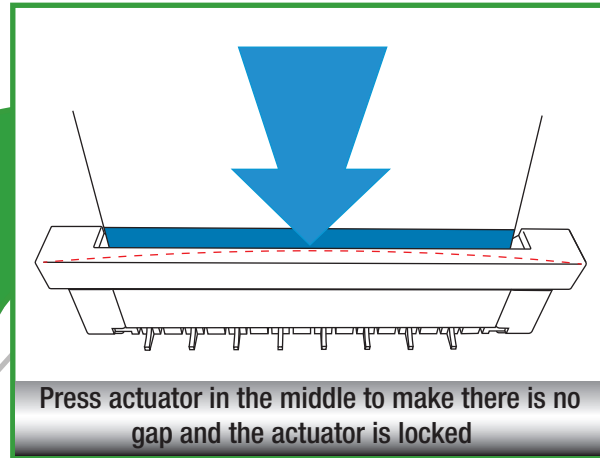


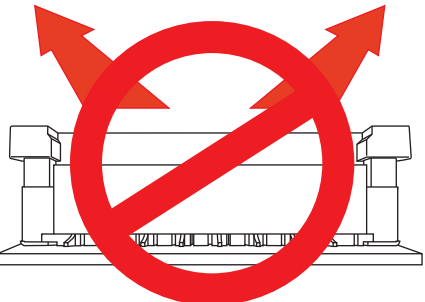


A



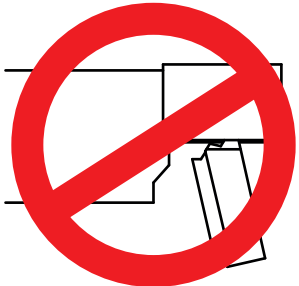
B



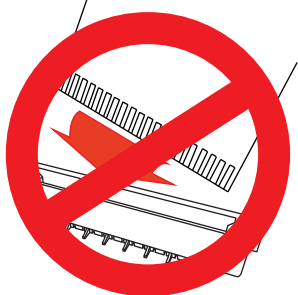


**Pull the actuator as horizontally as possible by a proper force**

**A**

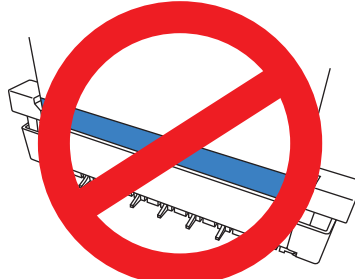


**Do not pull the actuator too far otherwise the stop limit (hook on actuator) may be broken**



**Do not keep FFC inclined when insertion**

**B**



**Don't keep conductor toward actuator**