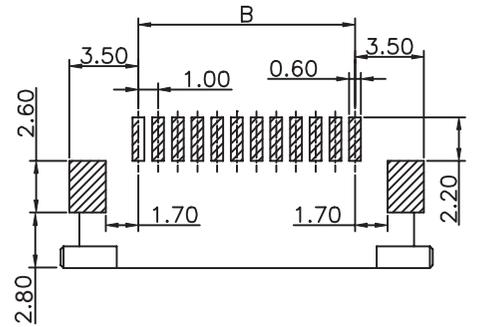


APPLICABLE FFC LAYOUT
(THICKNESS: 0.29 to 0.34)



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*

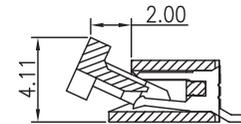
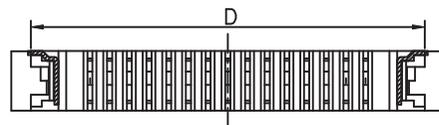
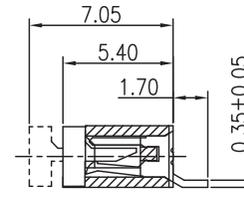
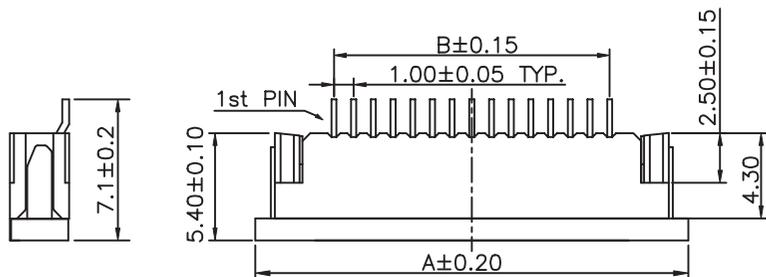
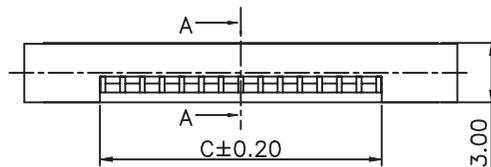
ENVIRONMENTAL:
OPERATING TEMPERATURE: -25°C UP TO 85°C
FLAMABILITY RATING: UL94-V0
COMPLIANCE: LEAD FREE AND ROHS

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

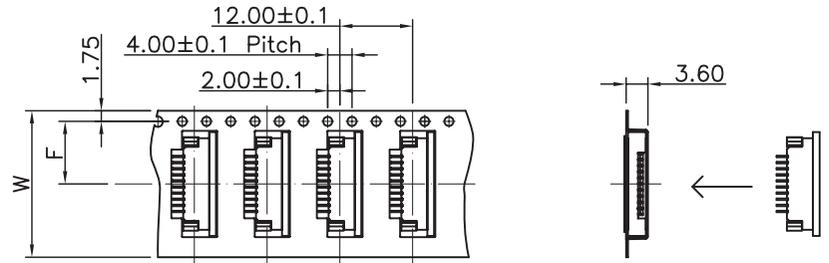
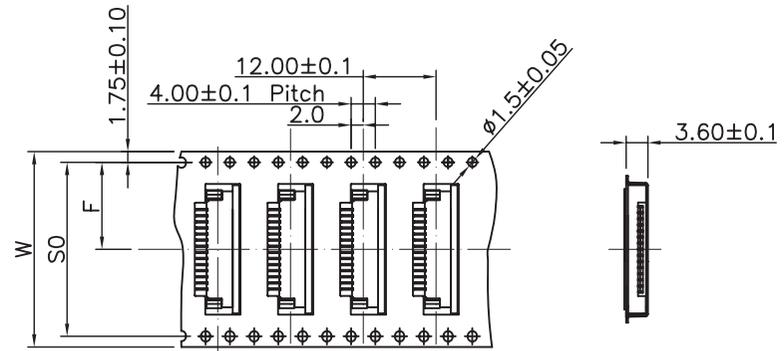
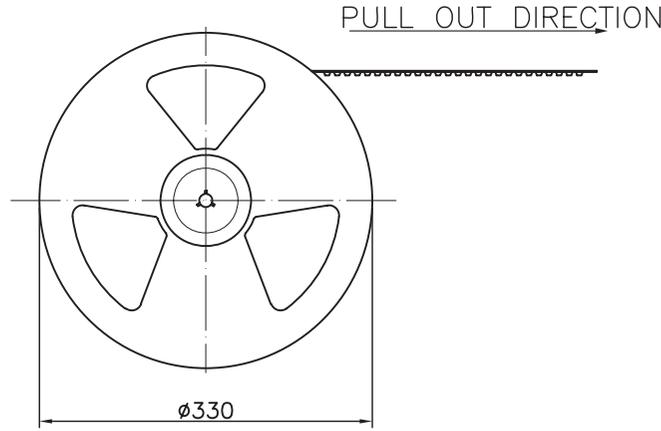
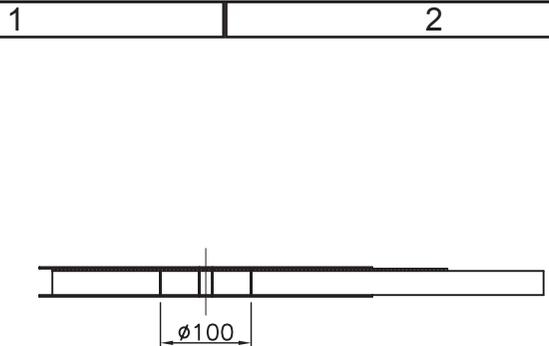
SOLDERING:
REFLOW PROCESS ONLY

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



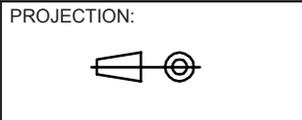
SECT. A-A

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				
N	05-JUN-15	TPK REVIEW	AK	PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15	
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 WERI PART NO: 686 1xx 144 22
I	28-JUN-12	COLOR	GG		SCALE:	
H	26-JUN-12	DIM	GG		SHEET: 1/2	
REV	DATE	FILE	BY		DRAW: PEARL	
						SIZE A4



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	



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

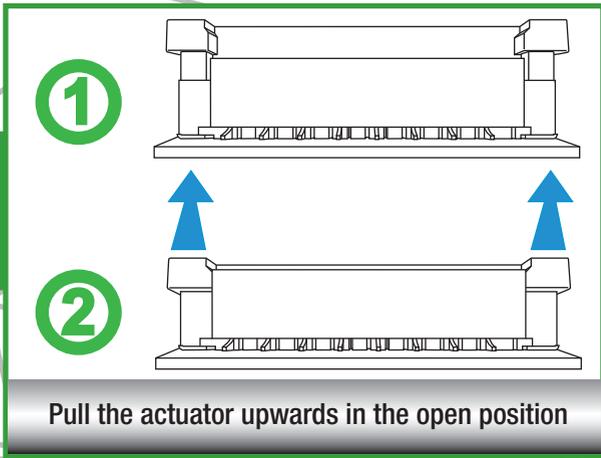


APPROVAL: GMo

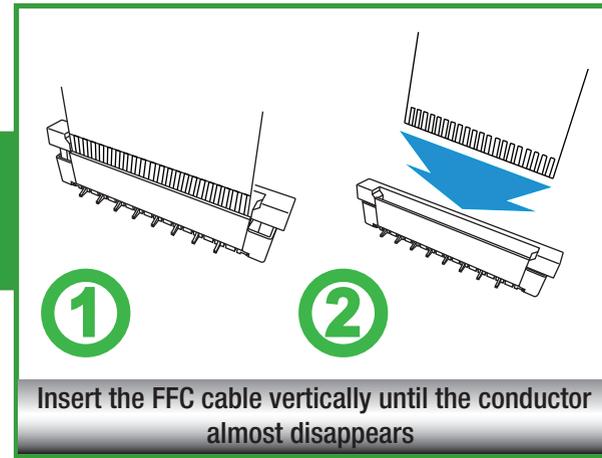
UNIT: MM
 SCALE:
 SHEET: 2/2
 DRAW: AK

DESCRIPTION: 1.0MM ZIF FPC HORIZONTAL BOTTOM CONTACT TYPE - TAPE & REEL PACKAGING
 WERI PART NO: 686 1xx 144 22

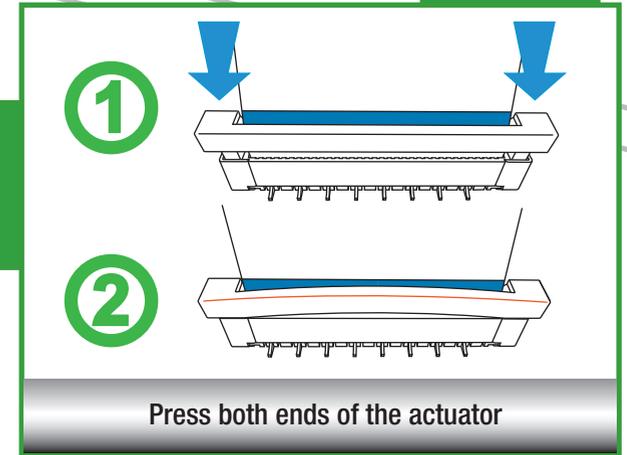
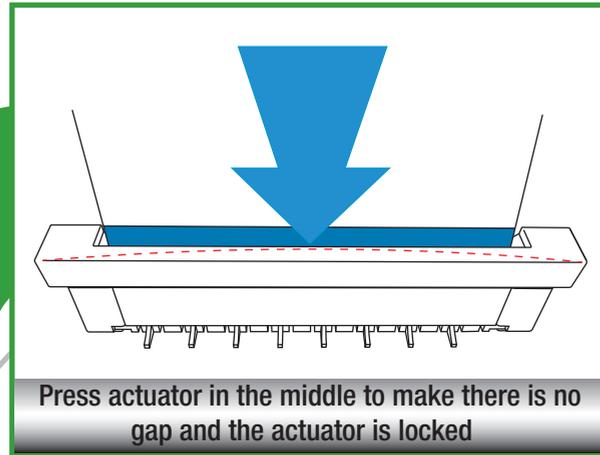
SIZE
A4



A



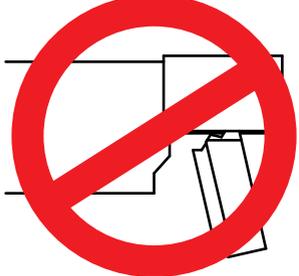
B





Pull the actuator as horizontally as possible by a proper force

A

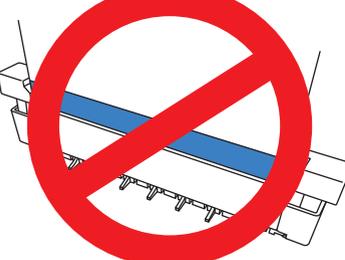


Do not pull the actuator too far otherwise the stop limit (hook on actuator) may be broken



Do not keep FFC inclined when insertion

B



Don't keep conductor toward actuator

Mouser Electronics

Authorized Distributor

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[68611214422](#) [68611614422](#)