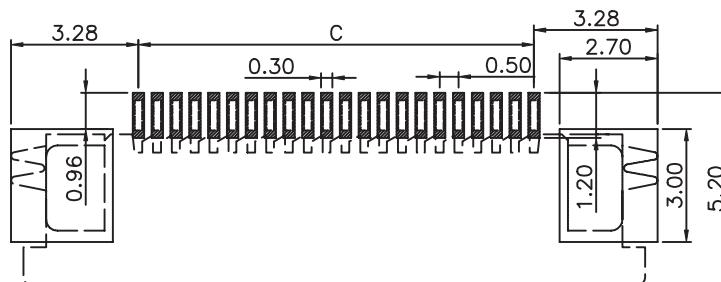
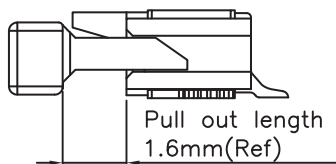
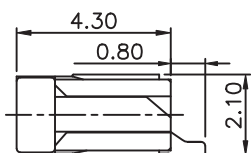
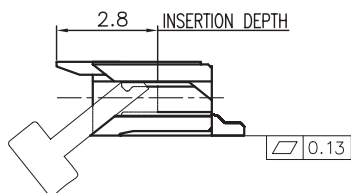
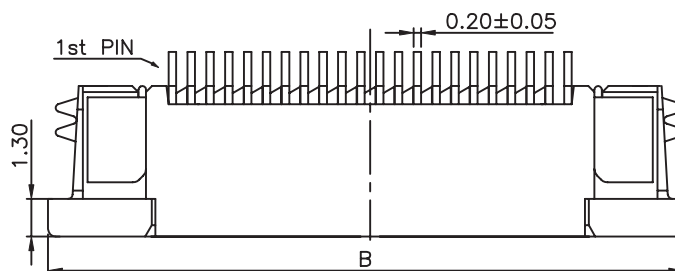
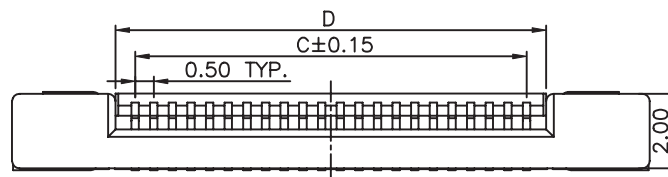


APPLICABLE FFC LAYOUT



RECOMMENDED PCB LAYOUT - COMPONENT VIEW



MATERIAL:
HOUSING MATERIAL: LCP
COLOR: IVORY
ACTUATOR MATERIAL: LCP
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

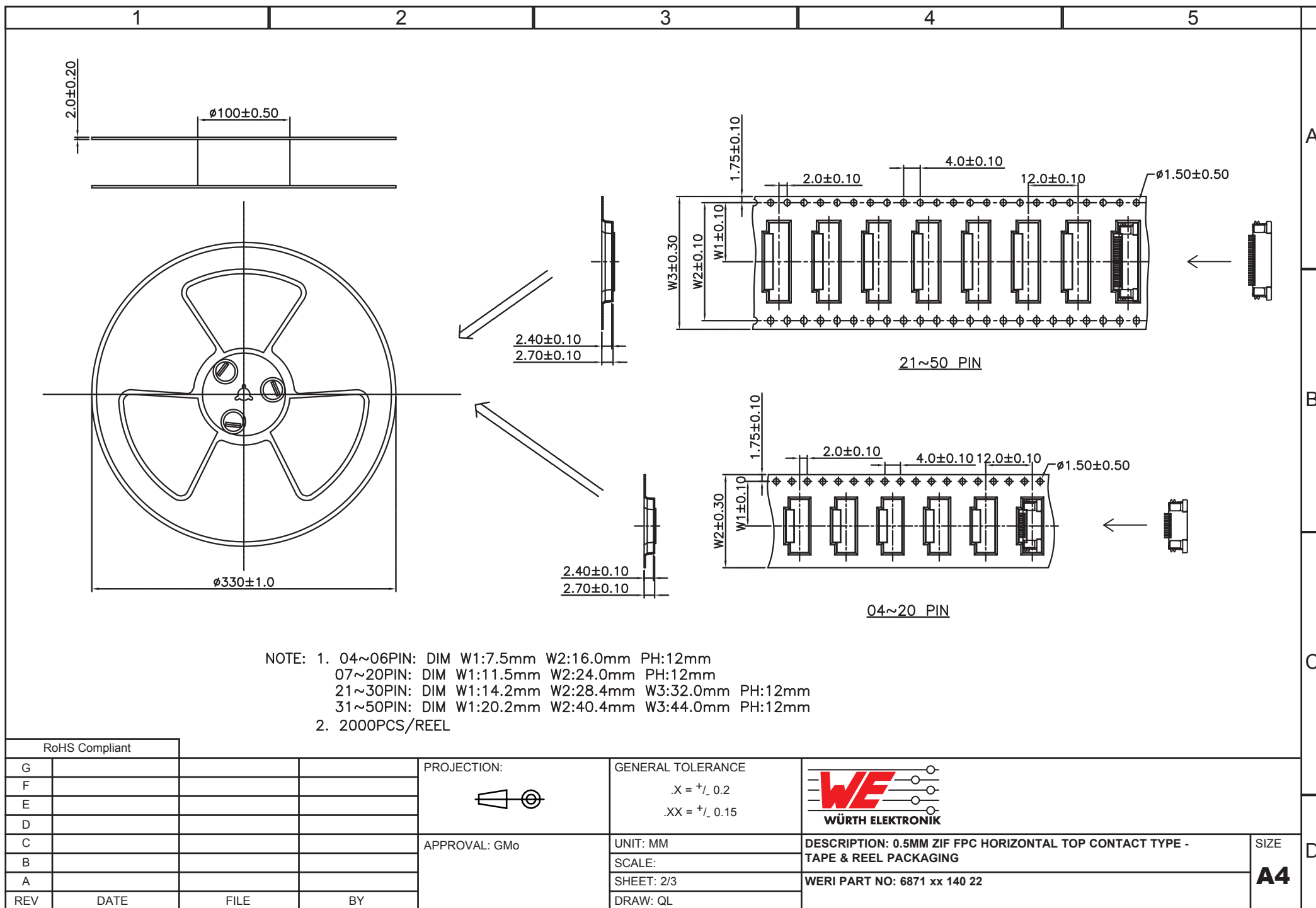
ELECTRICAL:
CURRENT RATING: 0.5 A
WORKING VOLTAGE: 50 V
INSULATION RESISTANCE: >100 MOHM
DIELECTRIC WITHSTANDING VOLT.: 250 VAC/MN
CONTACT RESISTANCE: 20 mOHM MAX

STANDARD
A CERTIFIED: E323964 / MODEL NUMBER 687
FOLLOWED BY 1, FOLLOWED BY 04 THRU 50, FOLLOWED
BY 140 OR 145, FOLLOWED BY NUMERIC DIGITS

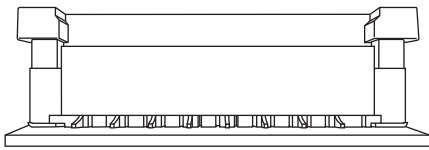
SOLDERING:
REFLOW PROCESS ONLY

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)

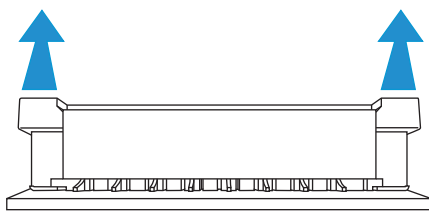
RoHS Compliant		*NOTE: theoretical value related to the Tin plating; however, due to the sensitive actuator, we recommend not to make more than 1 or 2 cycles in order to maintain acceptable mechanical & electrical conditions									
				<div>PROJECTION:</div> <div></div>	<div>GENERAL TOLERANCE</div> <div>.X = \pm 0.2</div> <div>.XX = \pm 0.15</div>	<div></div> <div>WÜRTH ELEKTRONIK</div>					
K	09-MAY-16	TPK UPDATE	AK								
J	07-JAN-16	DRAWING	AK	APPROVAL: GMo	UNIT: MM	DESCRIPTION: 0.5MM ZIF FPC HORIZONTAL TOP CONTACT TYPE - TAPE & REEL PACKAGING					SIZE A4
I	01-JUN-15	TPK UPDATE	QL		SCALE:						
H	13-DEC-13	TPK UPDATE	QL		SHEET: 1/3	WERI PART NO: 687 1xx 140 22					
REV	DATE	FILE	BY		DRAW: PEARL						



①



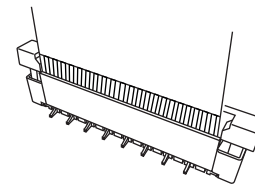
②



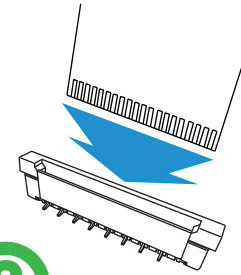
Pull the actuator upwards in the open position

Ⓐ

①



②



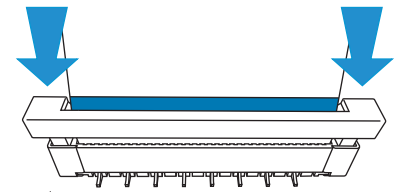
Insert the FFC cable vertically until the conductor almost disappears

Ⓑ

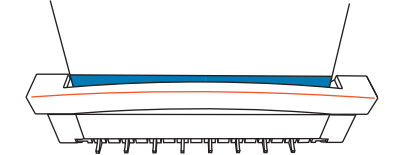


Press actuator in the middle to make there is no gap and the actuator is locked

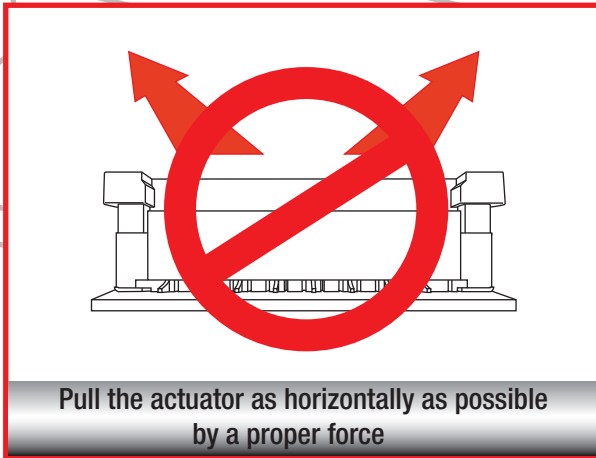
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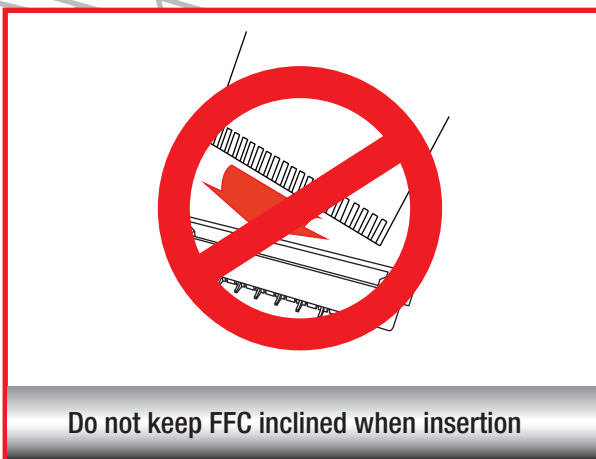
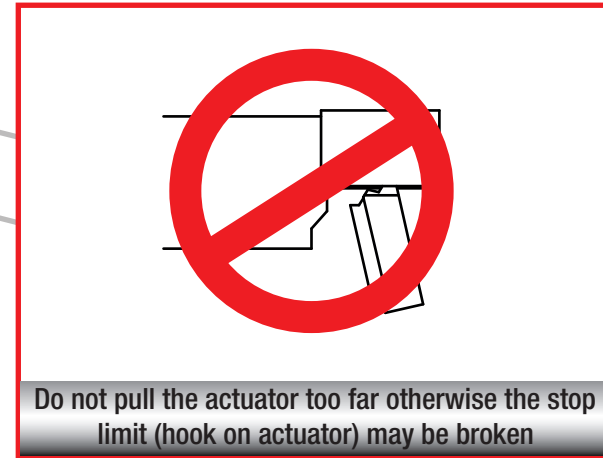
②



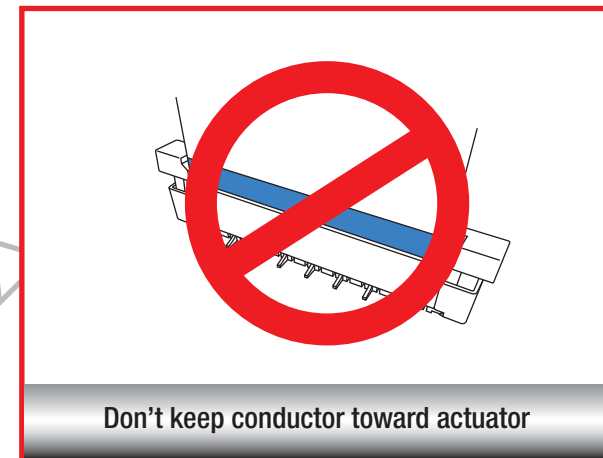
Press both ends of the actuator



A



B



Mouser Electronics

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