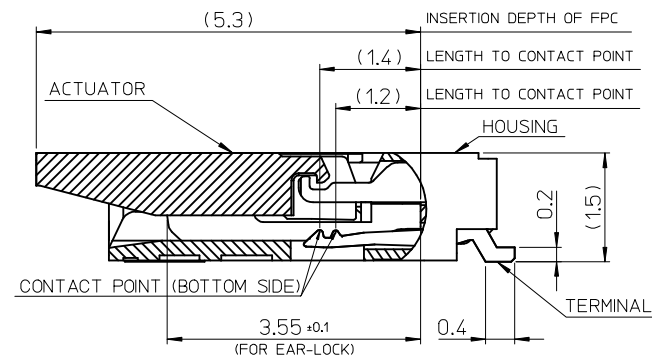
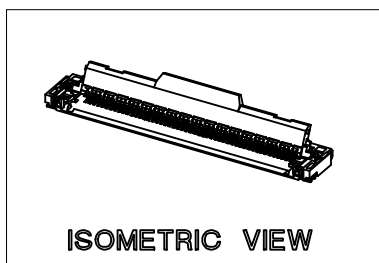
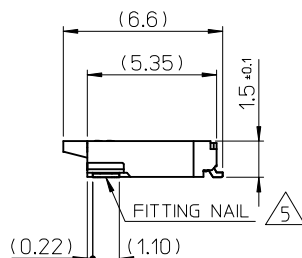
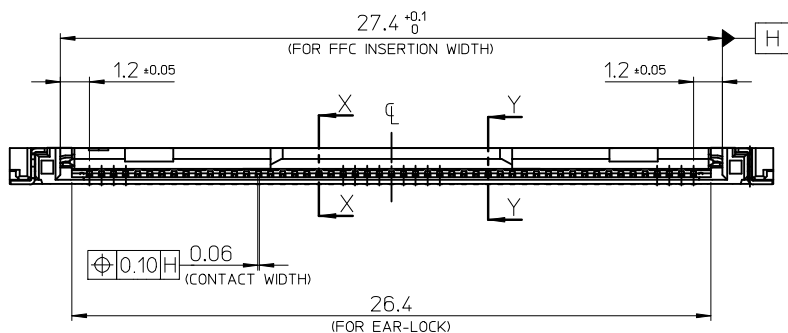
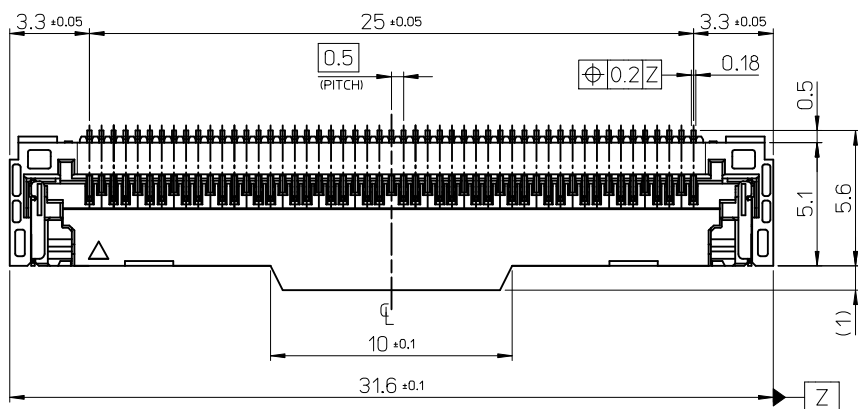
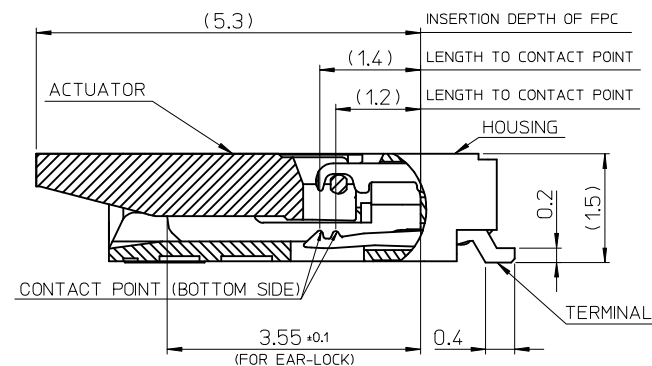
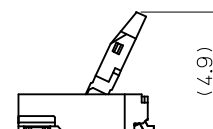




SECTION X-X



SECTION Y-Y



(WHEN ACTUATOR IS OPENED)

NEW RELEASED
 EEC NO: KOR2016-0015
 DRWN: YSK001 2015/07/15
 CHKD: KSKIM 2015/07/15
 APPR: YSKIM02 2015/07/15

QUALITY SYMBOLS
 ▽=0
 ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.1	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.2	± ---
ANGULAR ± 1 °		

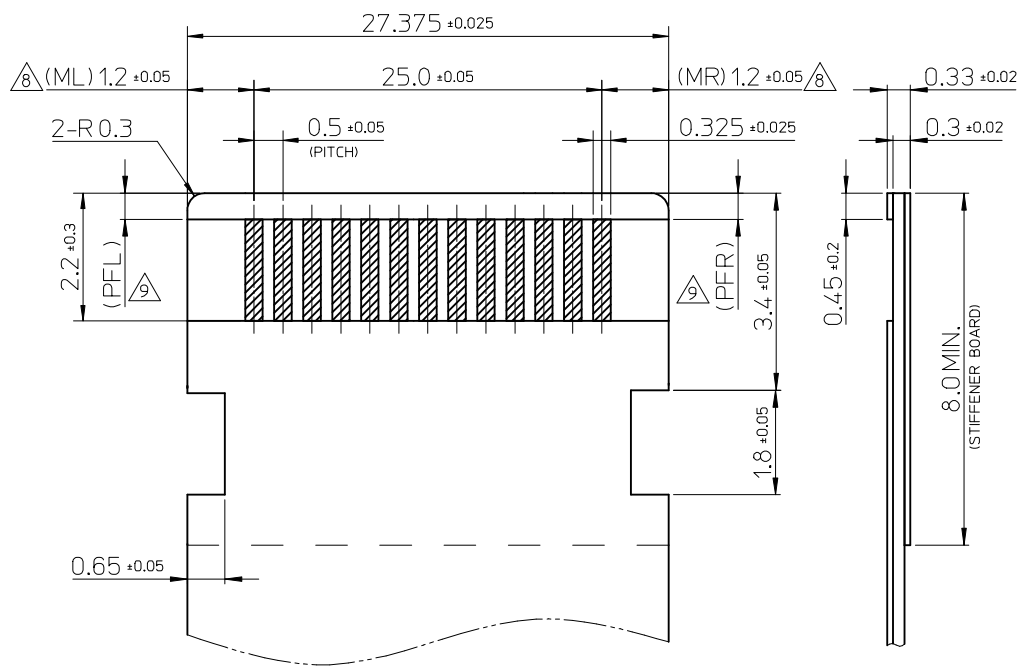
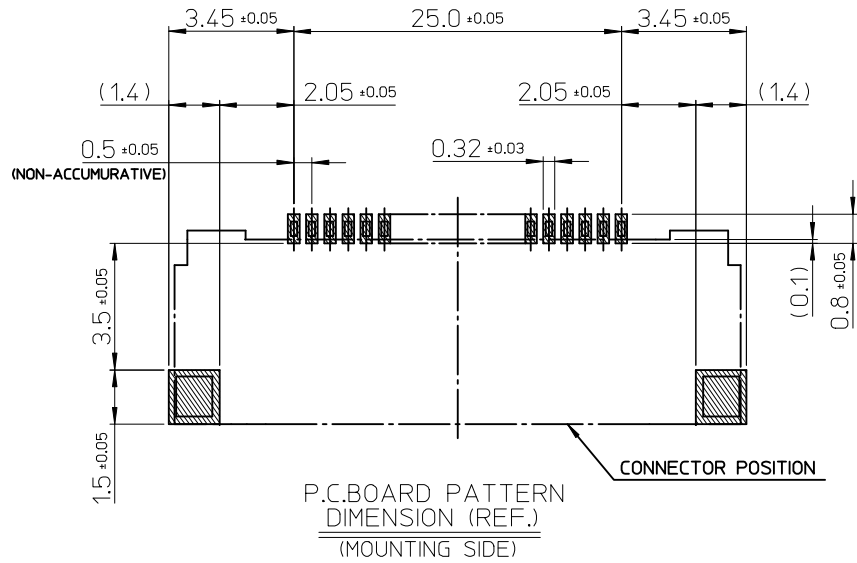
**DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS**

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
CHKD BY	DATE
APPROVED BY	DATE
MATERIAL NO.	DOCUMENT NO.
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE	DESIGN UNITS
5:1	METRIC
TITLE	
0.5MM FFC WIDE SLIM CONN 51P (H=1.5, FRONT FLIP) ASSY (2 POINTS CONTACT)	
SD-104234-001	
SHEET NO.	1 OF 3

1042345117	51
ORDER NO.	CKTS
THIRD ANGLE PROJECTION	

molex



NOTES

1. MATERIAL
HOUSING LCP
ACTUATOR GLASS FILLED,UL94V-0(NATURAL)
TERMINAL PPS
FITTING NAIL GLASS FILLED,UL94V-0(BLACK)
PHOSPHOR BRONZE
PHOSPHOR BRONZE
2. PLATING
TERMINAL : SELECTIVE GOLD[Au] OVER NICKEL[Ni] PLATING.
CONTACT AREA : GOLD[Au] 0.1 MICROMETER MIN. OVER NICKEL[Ni] 1.0 MICROMETER MIN.(UNDER PLATING)
SOLDER AREA : GOLD[Au] 0.05 MICROMETER MIN. OVER NICKEL[Ni] 1.0 MICROMETER MIN.(UNDER PLATING)
FITTING NAIL : TIN[Sn] OVER NICKEL[Ni] PLATING.
Tin[Sn] 1~3 MICROMETER.
NICKEL[Ni] 1~3 MICROMETER (UNDER PLATING)
3. PRODUCT SPECIFICATION : PS-104234-001
4. ACTUATOR IS CLOSED IN THE EMBOSSED PACKING

△ FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.

6. N : CIRCUIT.
7. COPLANARITY IS 0.1MAX.

△ I ML-MR I ≤0.05mm
△ I PFL-PFR I ≤0.2mm

ABOUT FPC/FFC
RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED CONDUCTOR THICKNESS OF SOFT COPPER FOIL : 35 μm OR 76 μm.

RECOMMENDED MATERIAL/THICKNESS.
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT
BASE FILM THICKNESS : 25 μm
PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY.

NEW RELEASED EC NO: KOR2016-0015 2015/07/15 DRAWN:SYK001 2015/07/15 CHKD:KSKIM 2015/07/15 APPR:YSKIM02 2015/07/15	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	ORDER NO. 1042345117 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY KTKIM01	DATE 2014/09/15	TITLE 0.5MM FFC WIDE SLIM CONN 51P (H=1.5, FRONT FLIP) ASSY (2 POINTS CONTACT)				
			4 PLACES ± ---	± ---	CHECKED BY	DATE					
			3 PLACES ± 0.1	± ---	KSKIM	2014/09/15					
			2 PLACES ± 0.15	± ---	APPROVED BY	DATE	molex				
			1 PLACE ± 0.2	± ---	YSKIM02	2014/09/16					
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-104234-001		2 OF 3		
REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

F

E

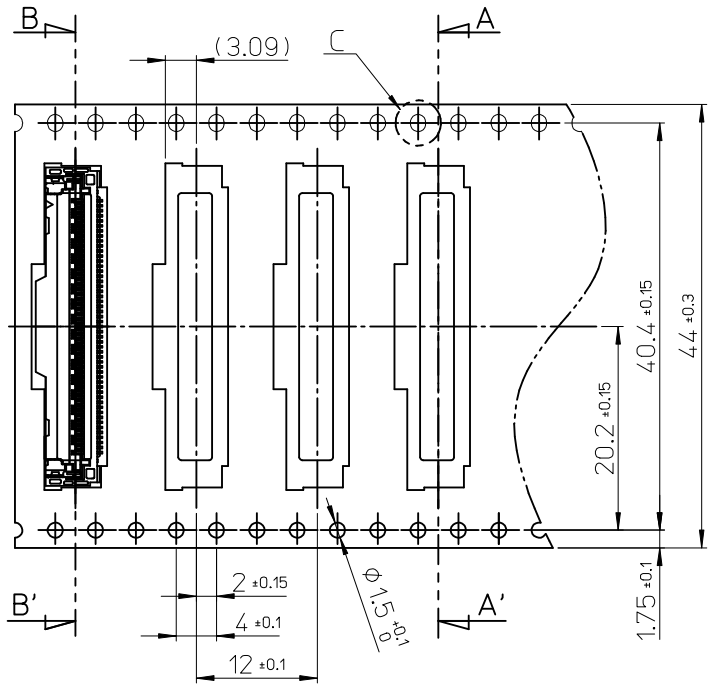
D

C

B

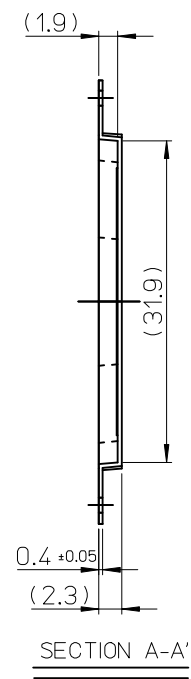
A

PULL OUT DIRECTION



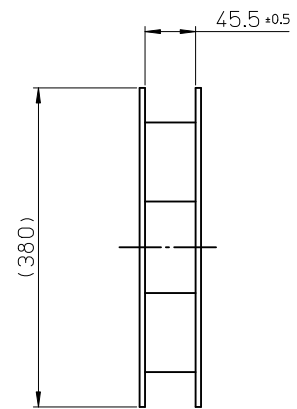
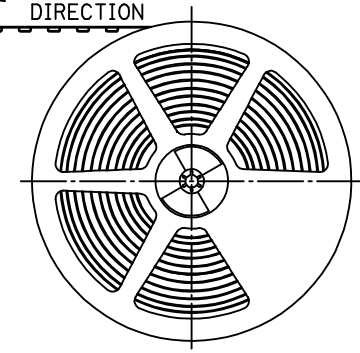
SECTION B-B'

44MM WIDTH CARRIER TAPE



SECTION A-A'

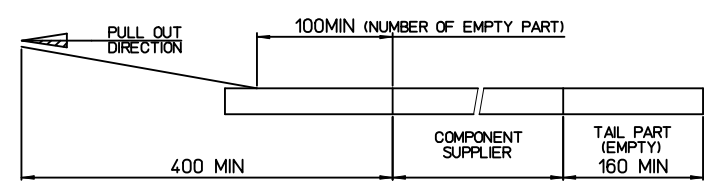
PULL OUT DIRECTION



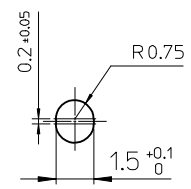
PLASTIC BOBBIN

NOTES

- 1. QUANTITY OF CONNECTORS : 3500PCS/REEL
- 2. LEAD LENGTH



3. THIS PRODUCT IS HALOGEN FREE (LV.2)



DETAIL C

NEW RELEASED EC NO: KOR2016-0015 DRWN:SYK001 CHKD:KSKIM APPR:YSKIM02 B	2015/07/15 2015/07/15 2015/07/15	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	ORDER NO. 1042345117 CKTS 51		
					mm	INCH	DRAWN BY KTKIM01	DATE 2014/09/15	TITLE 0.5MM FFC WIDE SLIM CONN 51P (H=1.5, FRONT FLIP) ASSY (2 POINTS CONTACT) molex	THIRD ANGLE PROJECTION		
				4 PLACES	± ---	± ---	CHECKED BY KSKIM	DATE 2014/09/15				
				3 PLACES	± 0.1	± ---	APPROVED BY YSKIM02	DATE 2014/09/16				
				2 PLACES	± 0.15	± ---	MATERIAL NO.				DOCUMENT NO.	SHEET NO.
				1 PLACE	± 0.2	± ---	SEE TABLE				SD-104234-001	3 OF 3
				ANGULAR ± 1 °		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												

9 8 7 6 5 4 3 2 1