

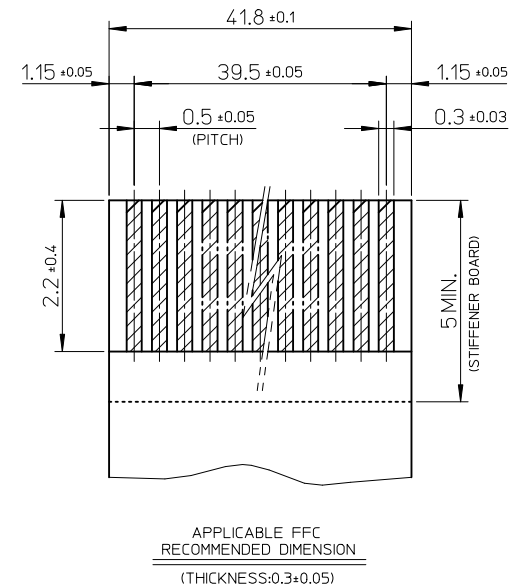
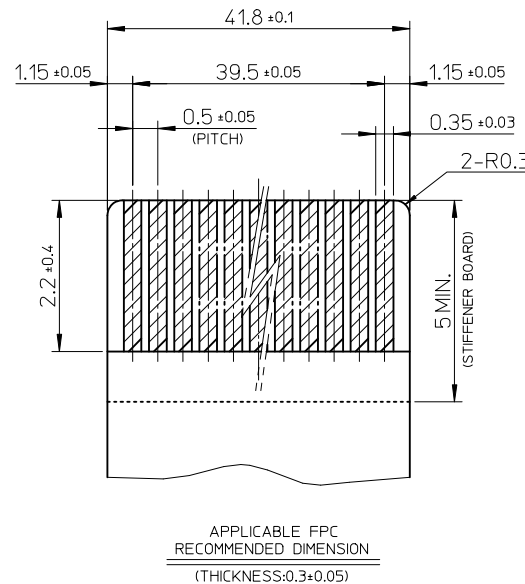
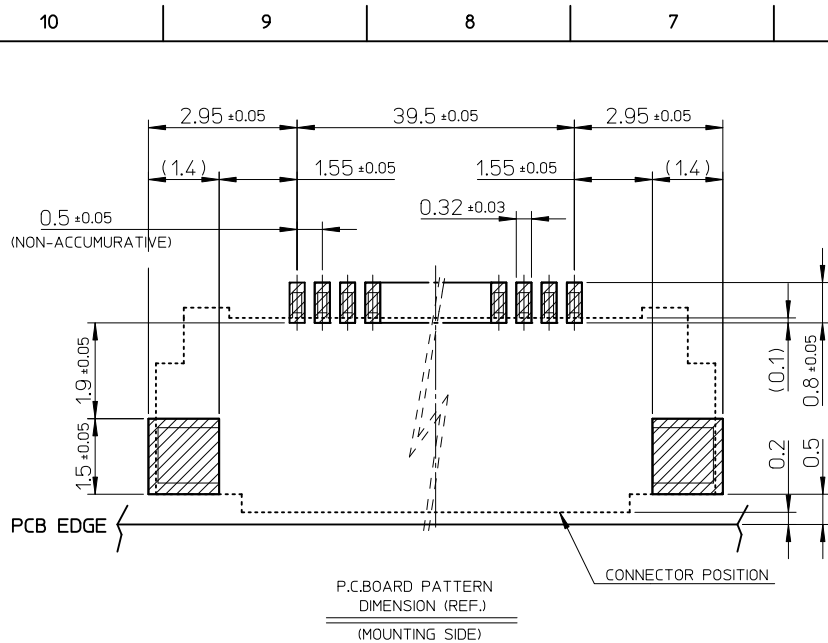
104114-8017 80  
ORDER NO. CKT

NEW RELEASED EC NO: KOR2012-0054 DRWN: JHLEE05 2011/12/06 CHKD: KSKIM 2011/12/06 APPR: YUNSIKKIM 2011/12/29	QUALITY SYMBOLS	DESCRIPTION
	$\nabla=0$	
	$\text{C}=0$	
	REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.20	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.3	± ---
ANGULAR ± 1°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE		SCALE	DESIGN UNITS
MM ONLY		5:1	METRIC
DRAWN BY	DATE	TITLE	
JHLEE05	2011/12/06	0.5MM FPC/FFC FRONTFLIP SLIM CNT 80P (H=1.5) HOUSING ASS'Y	
CHECKED BY	DATE	MOLEX INCORPORATED	
KSKIM	2011/12/06	MOLEX INCORPORATED	
APPROVED BY	DATE	DOCUMENT NO.	
YUNSIKKIM	2011/12/29	SD-104114-001	
MATERIAL NO.		SHEET NO.	
SEE TABLE		1 OF 3	

THIRD ANGLE PROJECTION	
SIZE	
A3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



**NOTES**

1. MATERIAL

HOUSING	LIQUID CRYSTAL POLYMER GLASS FILLED,UL94V-0(NATURAL)
ACTUATOR	POLYPHENYLENE SULFIDE GLASS FILLED,UL94V-0(BLACK)
TERMINAL	PHOSPHOR BRONZE
FITTING NAIL	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-104114-001
- PACKING SPECIFICATION : PK-104114-001
- 4. ACTUATOR IS CLOSED IN THE EMBOSSED PACKING

- △ FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.
- △ R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
- 7. COPLANARITY IS 0.08MAX.

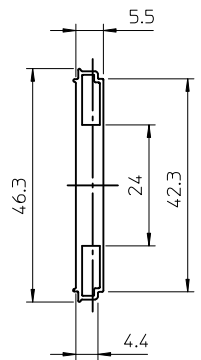
ABOUT FPC/FFC

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
RECOMMENDED CONDUCTOR THICKNESS OF SOFT COPPER FOIL : 35 μm OR 50 μm.

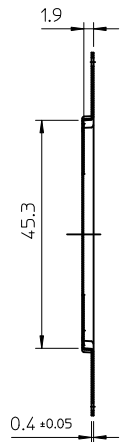
RECOMMENDED MATERIAL/THICKNESS.  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT  
BASE FILM THICKNESS : 25 μm

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY.

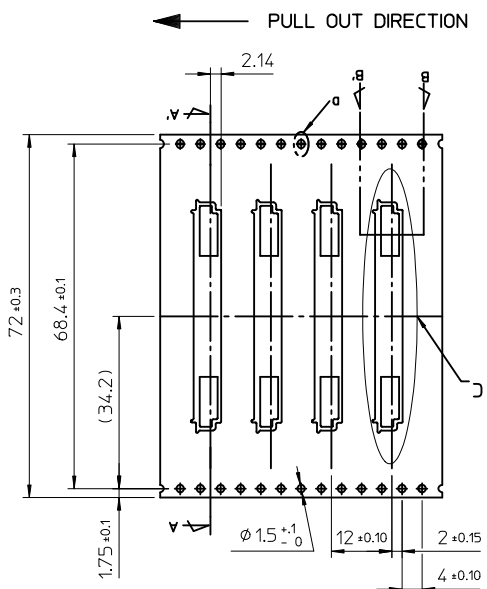
<b>NEW RELEASED</b> EC NO: KOR2012-0054 DRWN: JHLEE05 CHKD: KSKIM APPR: YUNSIKKIM	2011/12/06 2011/12/06 2011/12/29	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
			▽=0 ◻=0	mm INCH	MM ONLY	5:1	METRIC			
				4 PLACES ± --- ± --- 3 PLACES ± 0.20 ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.3 ± ---	DRAWN BY DATE JHLEE05 2011/12/06	CHECKED BY DATE KSKIM 2011/12/06	APPROVED BY DATE YUNSIKKIM 2011/12/29	TITLE 0.5MM FPC/FFC FRONTFLIP SLIM CNT 80P (H=1.5) HOUSING ASS'Y		
				ANGULAR ± 1 °	MATERIAL NO. 1041148017	MATERIAL NO. SD-104114-001	DOCUMENT NO. SD-104114-001		SHEET NO. 2 OF 3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



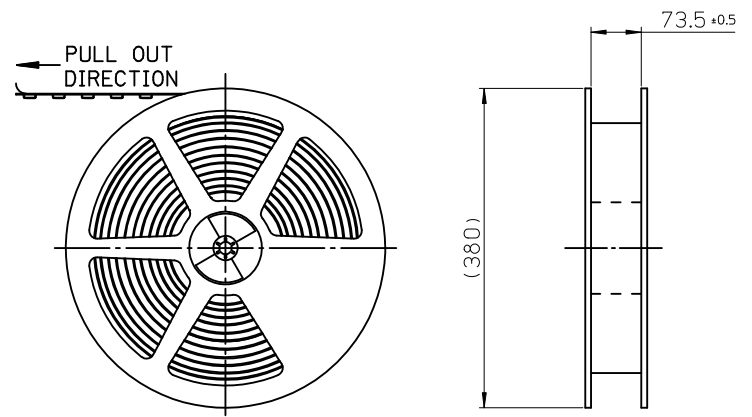
DETAIL C



SECTION A-A



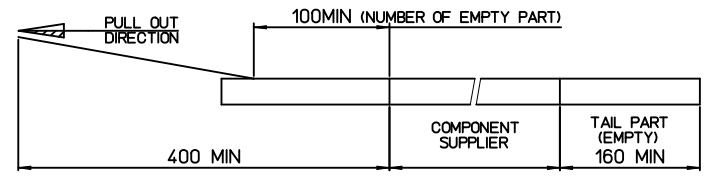
72MM WIDTH CARRIER TAPE



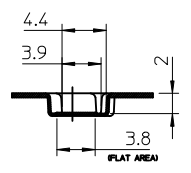
PLASTIC BOBBIN

NOTES

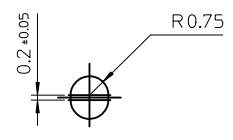
- 1. QUANTITY OF CONNECTORS : 3000PCS/REEL
- 2. LEAD LENGTH



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

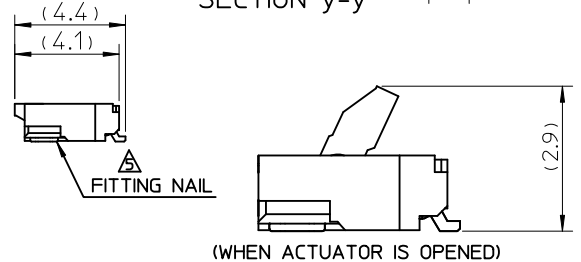
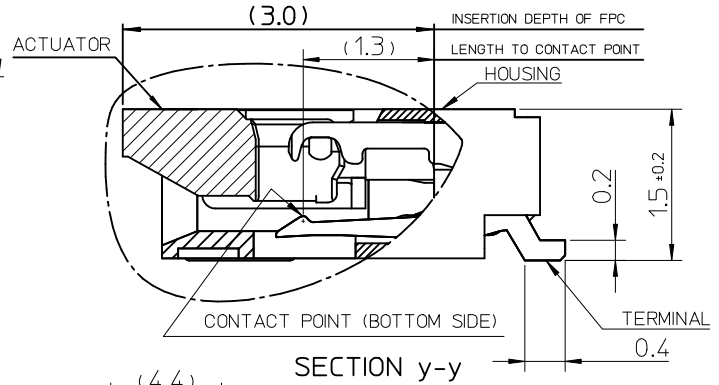
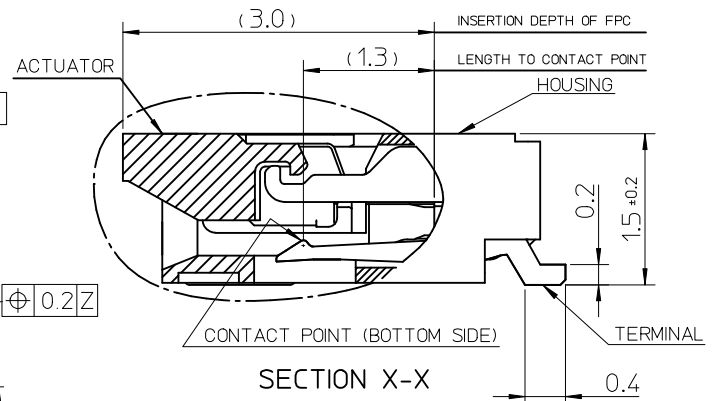
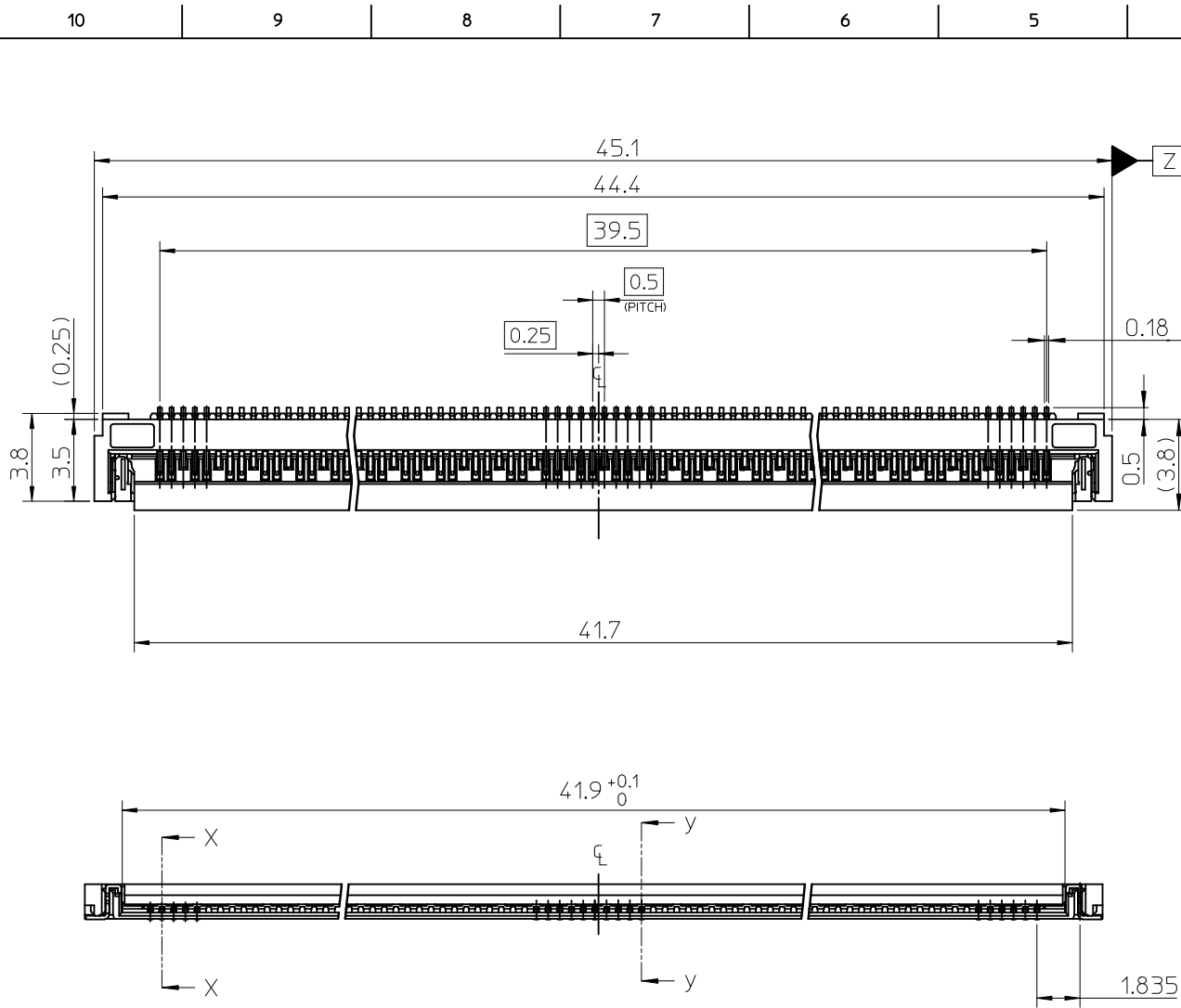


SECTION B-B



DETAIL D

NEW RELEASED EC NO: KOR2012-0054 DRWN: JHLEE05 CHKD: KSKIM APPR: YUNSIKKIM	2011/12/06 2011/12/06 2011/12/29	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.20 ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.3 ± --- ANGULAR ± 1 °	DIMENSION STYLE MM ONLY DRAWN BY DATE JHLEE05 2011/12/06 CHECKED BY DATE KSKIM 2011/12/06 APPROVED BY DATE YUNSIKKIM 2011/12/29 MATERIAL NO. 1041148017	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 0.5MM FPC/FFC FRONTFLIP SLIM CNT 80P (H=1.5) HOUSING ASS'Y MOLEX INCORPORATED	SHEET NO. 3 OF 3			
			▽=0 □=0						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



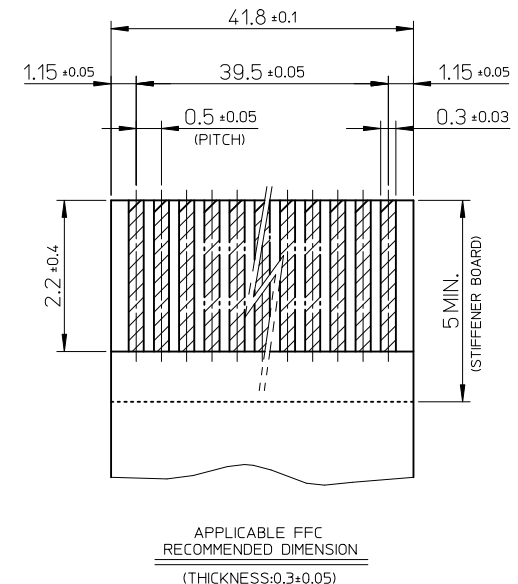
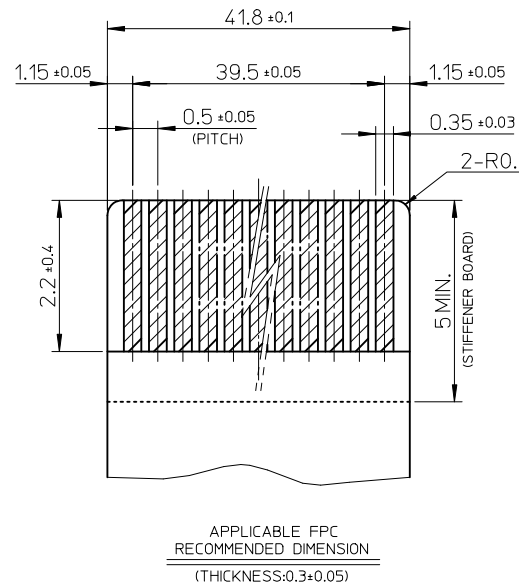
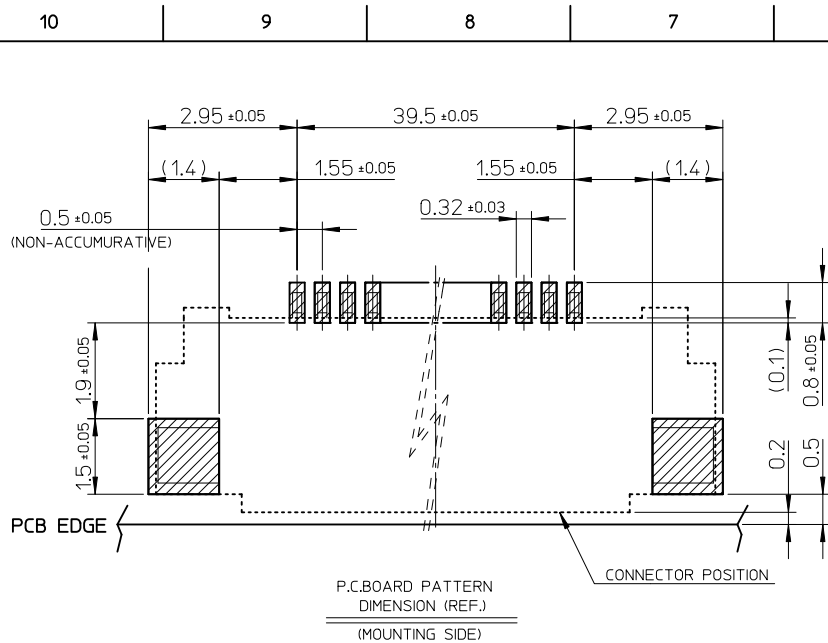
104114-8017 80  
ORDER NO. CKT

NEW RELEASED EC NO: KOR2012-0054 DRWN: JHLEE05 2011/12/06 CHKD: KSKIM 2011/12/06 APPR: YUNSIKKIM 2011/12/29	QUALITY SYMBOLS	DESCRIPTION
	▽=0	
	⊕=0	
	REV	
	A	

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.20	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.3	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE		SCALE	DESIGN UNITS
MM ONLY		5:1	METRIC
DRAWN BY	DATE	TITLE	
JHLEE05	2011/12/06	0.5MM FPC/FFC FRONTFLIP SLIM CNT 80P (H=1.5) HOUSING ASS'Y	
CHECKED BY	DATE	MOLEX INCORPORATED	
KSKIM	2011/12/06	DOCUMENT NO. SD-104114-001	
APPROVED BY	DATE	SHEET NO. 1 OF 3	
YUNSIKKIM	2011/12/29		
MATERIAL NO.		SEE TABLE	
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
A3			

THIRD ANGLE PROJECTION
MOLEX INCORPORATED
SD-104114-001
1 OF 3



**NOTES**

1. MATERIAL

HOUSING	LIQUID CRYSTAL POLYMER GLASS FILLED,UL94V-0(NATURAL)
ACTUATOR	POLYPHENYLENE SULFIDE GLASS FILLED,UL94V-0(BLACK)
TERMINAL	PHOSPHOR BRONZE
FITTING NAIL	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-104114-001

PACKING SPECIFICATION : PK-104114-001

4. ACTUATOR IS CLOSED IN THE EMBOSSED PACKING

- △ FITTING NAIL FOR PREVENTION OF PEELING OF PCB PATTERN.
- △ R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
- 7. COPLANARITY IS 0.08MAX.

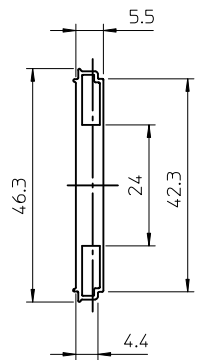
ABOUT FPC/FFC

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.  
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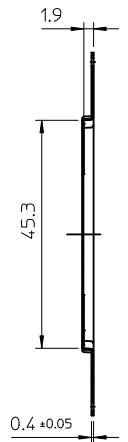
RECOMMENDED MATERIAL/THICKNESS.  
STIFFENER FILM : POLYIMIDE  
BONDING AGENT : THERMOSETTING BONDING AGENT  
BASE FILM THICKNESS : 25 μm

PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON THE CONTACT AREA BECAUSE THE EXTRA ADHESIVE MAY CAUSE THE DEFECT IN ELECTRICAL CONTINUITY.

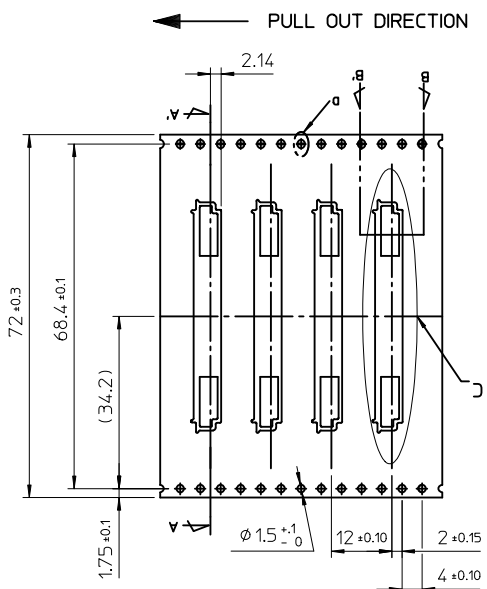
<b>NEW RELEASED</b> EC NO: KOR2012-0054 DRWN: JHLEE05 CHKD: KSKIM APPR: YUNSIKKIM	2011/12/06 2011/12/06 2011/12/29	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>5:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION			
					mm	INCH	DRAWN BY	DATE	TITLE				
				4 PLACES	± ---	± ---	JHLEE05	2011/12/06	<b>0.5MM FPC/FFC FRONTFLIP          SLIM CNT 80P (H=1.5)          HOUSING ASS'Y</b>				
				3 PLACES	± 0.20	± ---	CHECKED BY	DATE					
2 PLACES	± 0.25	± ---	KSKIM	2011/12/06	<b>MOLEX INCORPORATED</b>								
1 PLACE	± 0.3	± ---	APPROVED BY	DATE									
ANGULAR ± 1 °				MATERIAL NO.		1041148017		DOCUMENT NO.		SD-104114-001			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE		A3		SHEET NO.			2 OF 3		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													



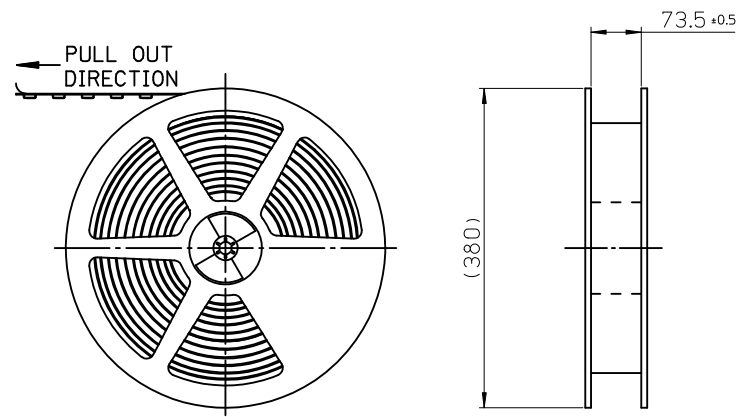
DETAIL C



SECTION A-A



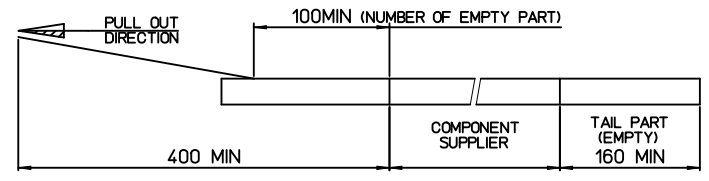
72MM WIDTH CARRIER TAPE



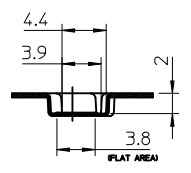
PLASTIC BOBBIN

NOTES

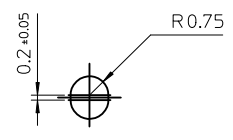
- 1. QUANTITY OF CONNECTORS : 3000PCS/REEL
- 2. LEAD LENGTH



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



SECTION B-B



DETAIL D

NEW RELEASED EC NO: KOR2012-0054 DRWN: JHLEE05 2011/12/06 CHKD: KSKIM 2011/12/06 APPR: YUNSIKKIM 2011/12/29	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▽=0 □=0	mm    INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.20 ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.3 ± --- ANGULAR ± 1 °	MM ONLY	1:1	METRIC		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: JHLEE05    DATE: 2011/12/06 CHECKED BY: KSKIM    DATE: 2011/12/06 APPROVED BY: YUNSIKKIM    DATE: 2011/12/29	TITLE	0.5MM FPC/FFC FRONTFLIP SLIM CNT 80P (H=1.5) HOUSING ASS'Y		
				MATERIAL NO.	DOCUMENT NO.	MOLEX INCORPORATED SD-104114-001		
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				A3	SHEET NO. 3 OF 3			