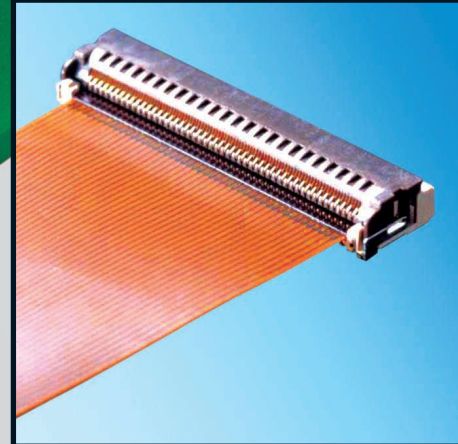
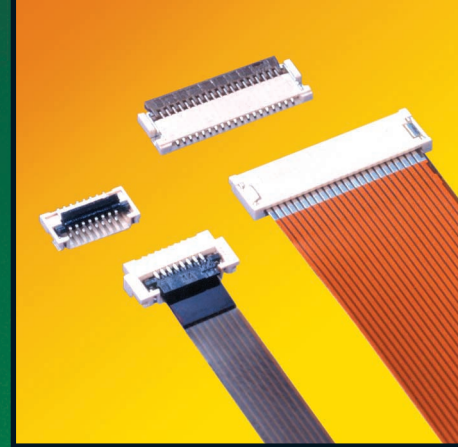
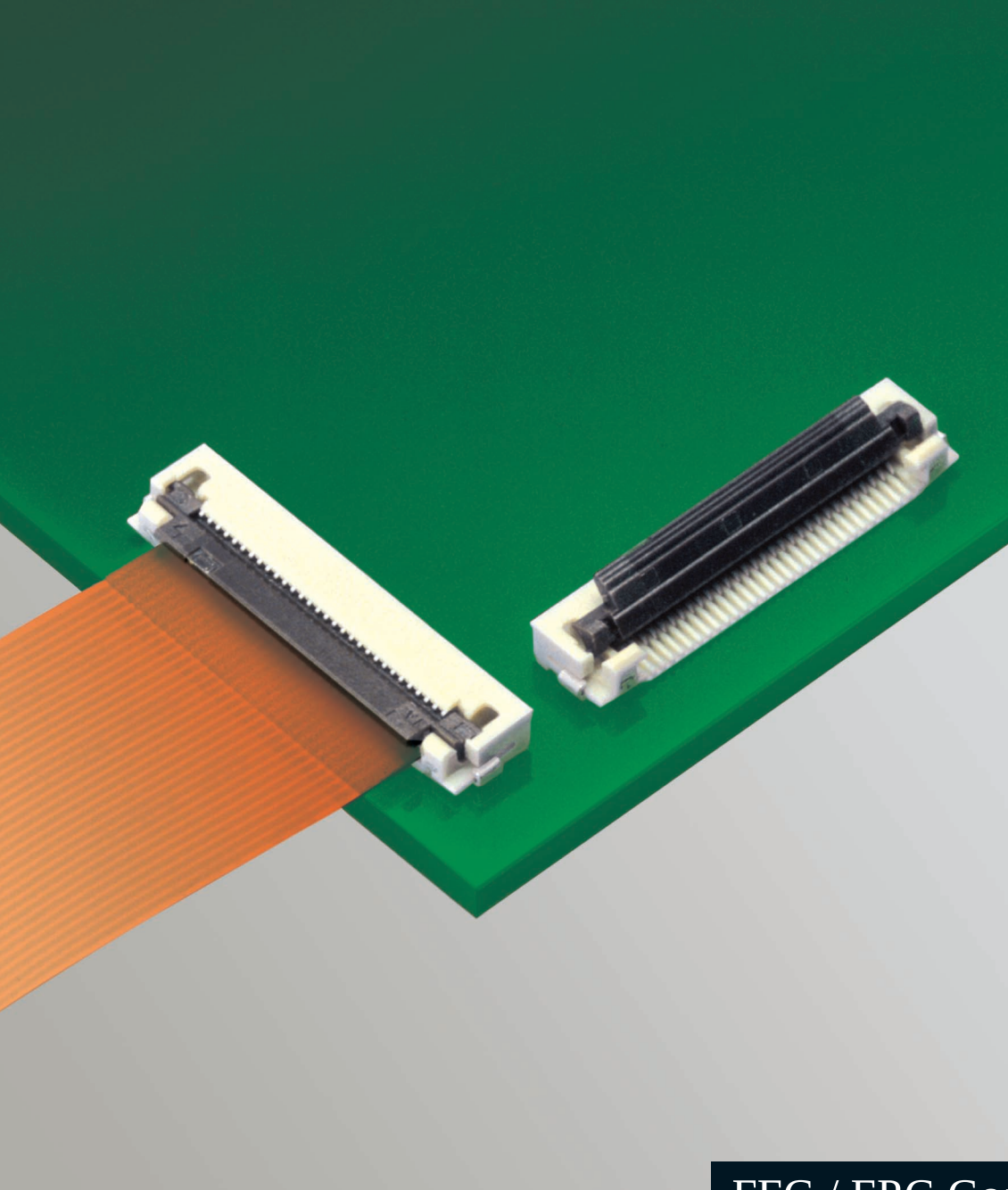




FFC / FPC Connectors

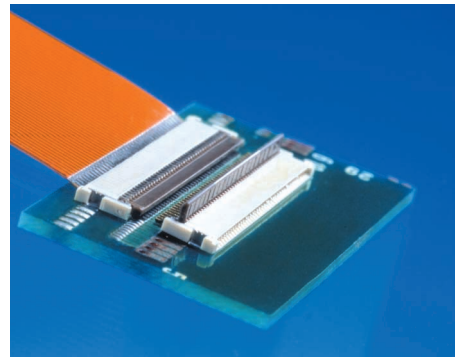


몰렉스는 다양한 FFC(Flat Flexible Cable)와 FPC(Flexible Printed Circuitry)용 커넥터를 제공합니다. 피치는 0.30부터 1.25mm가 있으며, 높이가 0.80mm인 커넥터도 있습니다. 또한, 다양한 Actuator 타입은 케이블 삽입을 용이하게 도와줍니다.

몰렉스는 최근 Flat Panel Displays(FPD)용 초정밀 FFC/FPC 커넥터도 제공하고 있습니다. FPD용 커넥터는 120회로까지 가능하며, 다양한 PDP/LCD 제품의 공간 절약을 가능하게 해줍니다.

Molex offers a wide variety of connectors for flat flexible cable and flexible printed circuitry. Included are connectors in pitch sizes from 0.30 to 1.25mm and profile heights as low as 0.80mm. Various actuation styles are also offered to facilitate cable insertion.

Molex also has recently introduced a range of high density FFC/FPC connectors for Flat Panel Displays (FPD). These robust connectors are available in up to 120 circuits and offer secure space saving connections for a variety of PDP/LCD applications.

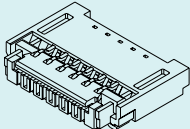
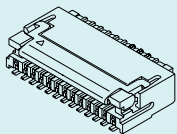
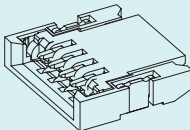
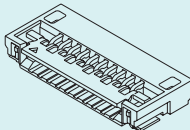
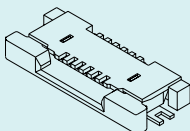
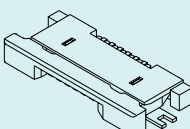
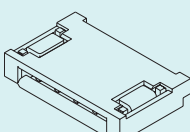
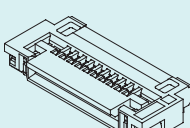
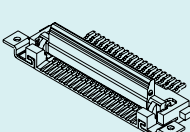
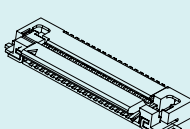


SELECTION MATRIX

	Pitch	Height(mm)	ZIF	Non-ZIF	Page
SMT	0.30	1.05	500797	-	3
		1.30	54809		
		1.95	54393		
	0.50	0.80	501461	-	
		1.10	51441		
		1.20	54550, 54548	51281	
		1.30	51296	-	
		1.50	35868, 35854		
		1.55	35863		
		2.00	52892, 52893, 52745, 52435 54104, 52746, 52437, 54132	52689	4
		2.42	-	52975, 52976	
		Vertical	52559, 51374	-	
	0.80	2.00	-	52557	5
	1.00	2.70	52207, 52103	-	
		3.00	52271		
		3.10	-	52793, 52852	
		Vertical	52610	52808	
SMT for FPD	0.30	4.28	501006	-	6
	0.40	5.60	51335	-	
	0.50	1.80	501025	-	
		2.00	49022		
		4.05	500617		
		4.25	501595, 501070, 500518		
		5.60	500072		
		Vertical	500484, 501102		
Through Hole	1.00	3.00	52089	-	7
		3.60	-	52807	
		4.20	52043	-	
		Vertical	52030	35857, 35802, 52806	
	1.25	5.00	-	52044	
		5.40	5597-NAPB	-	
		5.90	-	52492	
		Vertical	5597-NCPB	52045	

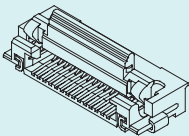
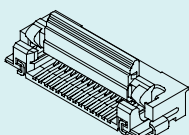
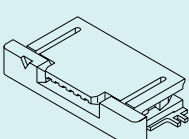
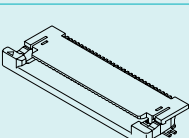
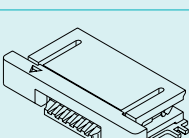
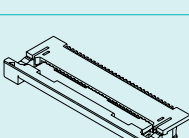
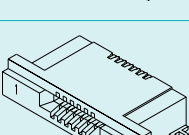
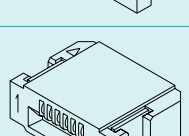


0.30 and 0.50mm Pitch SMT FFC/FPC Connectors

Pitch	Image	Description		Series	Height (mm)	Circuits	Current/Voltage	Housing/Actuator Material	Cable Thickness (mm)	
0.30		ZIF Easy-On™ Right Angle Bottom Contact		500797	1.05	11~51	0.2A/50V	LCP/Polyamide	0.20	
	54809			1.30	0.3A/50V		LCP/PPS			
				54393	1.95	17~51		0.2A/50V		
0.50		ZIF BackFlip™ Right Angle Bottom Contact		501461	0.80	4~8	0.3A/50V	LCP/LCP	0.12	
		ZIF Easy-On™ Right Angle Bottom Contact		51441	1.10	6~24	0.5A/50V	LCP/PPS	0.30	
		ZIF Right Angle Top Contact		54550	1.20	5~26			0.4A/50V	0.30 (25, 26Circuit =0.28)
		ZIF Right Angle Bottom Contact		54548			0.5A/50V			LCP/No Actuator
		Non-ZIF Right Angle Dual Contact		51281				1.30	8~50	
		ZIF Easy-On™ Right Angle Bottom Contact		51296						
		ZIF Easy-On™ Right Angle Bottom Contact Offset Type	Above PCB 35868 Below PCB 35854	1.50	20	0.5A/50V	LCP/PPS			0.14
		ZIF Easy-On™ Right Angle Bottom Contact						35863	1.55	

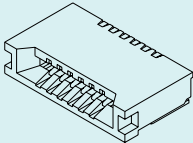
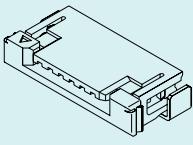
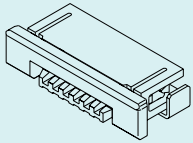
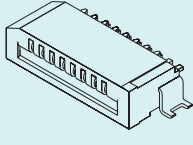
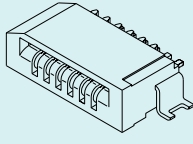
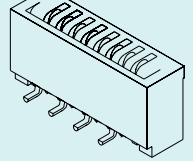
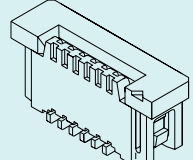


0.50mm Pitch SMT FFC/FPC Connectors

Pitch	Image	Description		Series	Height (mm)	Circuits	Current/Voltage	Housing/Actuator Material	Cable Thickness (mm)
0.50		ZIF Easy-On™ Right Angle Bottom Contact	With FPC Guide	52892	2.00	10~30	0.5A/50V	Polyamide/PPS	0.30
	-		52893	8~30					
		ZIF Right Angle Top Contact		52745		4~20			
	52435			21~30					
	54104			30~50					
		ZIF Right Angle Bottom Contact		52746		4~20			
	52437			21~30					
	54132			30~50					
		Non-ZIF Right Angle Dual Contact		52689	2.42	5~30	0.4A/50V	Polyamide/No Actuator	
		Non-ZIF Right Angle Top Contact		52975		6~24			
		Non-ZIF Right Angle Bottom Contact		52976		6~30			
		ZIF Vertical		52559	3.90	6~40	0.5A/50V	Polyamide/PPS	
		ZIF Easy-On™ Vertical		51374	4.05	10~60	0.4A/50V	LCP/PPS	



0.80 and 1.00mm Pitch SMT FFC/FPC Connectors

Pitch	Image	Description	Series	Height (mm)	Circuits	Current/Voltage	Housing/Actuator Material	Cable Thickness (mm)
0.80		Non-ZIF Right Angle Dual Contact	52557	2.00	4～18	0.5A/50V	PPS/No Actuator	0.30
1.00		ZIF Right Angle Top Contact	52207	2.70	3～30	1.0A/125V	Polyamide/PPS	0.30
	52103		4～30					
		ZIF Right Angle Bottom Contact	52271	3.00	6～30	0.5A/50V		
		Non-ZIF Right Angle Top Contact	52793	3.10	4～30		0.5A/125V	
		Non-ZIF Right Angle Bottom Contact	52852					
		Non-ZIF Vertical	52808	5.05	6～30	1.0A/125V	Polyamide/PPS	
		ZIF Vertical	52610	5.75				



SMT FFC/FPC Connectors for Flat Panel Displays (FPD)

Pitch	Image	Description		Series	Height (mm)	Circuits	Current/Voltage	Housing/Actuator Material	Cable Thickness (mm)
0.30		ZIF Easy-On™, BackFlip™ Right Angle Bottom Contact		501006	4.28	90	0.2A/50V	LCP/LCP	0.12
0.40		ZIF Easy-On™, BackFlip™ Right Angle Dual Contact		51335	5.60	80, 114 120	0.3A/100V	LCP/PPS	0.30
0.50		ZIF Easy-On™ Right Angle Bottom Contact		49022	2.00	50	0.5A/50V	Polyamide/PPS	0.12
		ZIF Easy-On™, BackFlip™ Right Angle Bottom Contact		500617	4.05			LCP/Polyamide	0.30
		ZIF Right Angle Bottom Contact	Easy-On™ BackFlip™	501595	4.25		0.3A/100V	LCP/LCP	
		With Dust Cover	-	501070					
		ZIF Easy-On™, BackFlip™ Right Angle Bottom Contact With Dust Cover		500518	68	LCP/LCP		0.10	
		ZIF Easy-On™, BackFlip™ Right Angle Top Contact		500072	5.60	98		LCP/Polyphenylene	0.12
	ZIF Easy-On™ Vertical		500484	6.45	40	LCP/Polyamide		0.30	
0.50 for LVDS		ZIF Right Angle Bottom Contact		501025	1.80	33, 50	0.5A/50V	LCP/Polyphenylene	0.30
		ZIF Easy-On™ Vertical		501102	6.05	50		LCP/Polyamide	

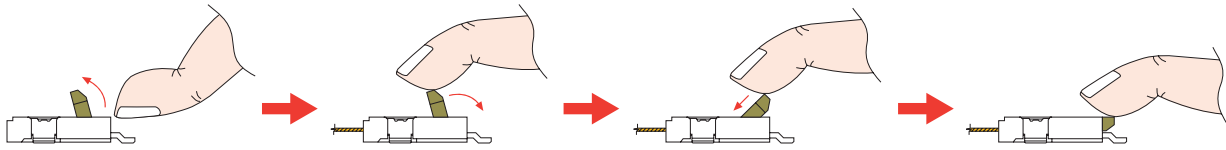


1.00 and 1.25mm Pitch Through Hole FFC/FPC Connectors

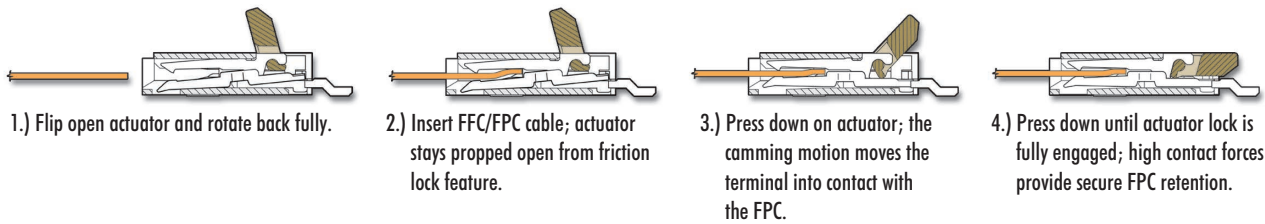
Pitch	Image	Description	Series	Height (mm)	Circuits	Current/Voltage	Housing/Actuator Material	Cable Thickness (mm)
1.00		ZIF Right Angle Top Contact	52089	3.00	4~30	0.5A/50V	Polyamide/PBTP	0.30
		Non-ZIF Right Angle Top Contact	52807	3.60	3~30		PPS/No Actuator	
		ZIF Right Angle Bottom Contact	52043	4.20	4~20		Polyamide/PBTP	
		ZIF Vertical	52030	5.20	4~30	1.0A/50V	Polyamide/PBTP	
		Non-ZIF Vertical	35857		3~30	0.5A/50V	Polyamide/No Actuator	
			35802					
			52806				5.40	
1.25		ZIF Right Angle Top Contact	5597-NAPB	5.40	3~30	1.0A/200V	PBTP/PBTP	0.30
		ZIF Vertical	5597-NCPB	7.50				
		Non-ZIF Right Angle Top Contact	52044	5.00	3~40		PBTP/No Actuator	
		Non-ZIF Vertical	52045	8.00				
		Non-ZIF Bottom Entry	52492	5.90	4~36			

■ How to use the BackFlip™ Connector

(External View: Locking Feature)



(Internal View: Actuator on Contact)



1.) Flip open actuator and rotate back fully.

2.) Insert FFC/FPC cable; actuator stays propped open from friction lock feature.

3.) Press down on actuator; the camming motion moves the terminal into contact with the FPC.

4.) Press down until actuator lock is fully engaged; high contact forces provide secure FPC retention.



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