MOLEX	PRODUCT SPEC	IFICATION	MOLEX KOREA
	2.36 CONNECTO	OR (A/B TYPE)	
,	,		
В	REVISED (ECN95-095)	W. Y. YANG	1995, 09, 14
A	NEW RELEASED (ECN94-004)	W. Y. YANG	1994. 06. 07
REV	REVISION RECORD	ВҮ	DATE
PRODUC	T SPECIFICATION:	SHEET NO.	REV.
2.	36 CONNECTOR (A/B TYPE)	1 OF 4	B B
	- 1/2/3/4/5/6P		
WRITTEN		APPROVED BY:	DATE:
	W. Y. YANG b. K. Cho; &	// dp.p.	1995, 09, 14

THIS PRODUCT SPECIFICATION CONTAINS INFORMATION PROPRIETARY TO MOLEX AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION.

[1. SCOPE]

This product specification covers general requirement for product performance and test condition of 2.36 connector (A/B type) series for the use of termination on p.c. board.

[2. PRODUCT DESCRIPTION]

2.1 PRODUCT NAME AND PART NUMBER

2.1.1 HOUSING

Product name	Part no.	Pitch	Material
2.36 Housing(A type)-1P 2.36 Housing(A type)-2P 2.36 Housing(A type)-3P 2.36 Housing(A type)-4P 2.36 Housing(A type)-5P 2.36 Housing(A type)-6p	35136-01*0 35136-02*0 35136-03*0 35136-04*0 35136-05*0 35136-06*0	10.0/8.0mm centerline pitch	*: 0 (Noryl UL94V-1) 1 (Nylon66 UL94V-0)
2.36 Housing(B type)-2P 2.36 Housing(B type)-4P 2.36 Housing(B type)-6p	35137-02*0 35137-04*0 35137-06*0	8.0/6.0mm centerline pitch	

2.1.2 TERMINAL

Product name	Part no.	Wire range	Insul, dia	Mat'l/Fin is h
2.36 Pin Receptacle	35716-0110	ANC #94 #90	1 5 9 7	Tin-plated brass
2.36 Pin Receptacle	35716-0111	AWG #24-#20	1,5"2,711111	Tin-plated phos.bronze
2.36 Pin Receptacle(L)	35716-0310	AWG #20-#18	2.0-2.8mm	Tin-plated brass

2.1.3 WAFER ASSEMBLY (STRAIGHT WAFER)

Product name	Part no.	Pitch	Material
2.36 Wafer ass'y (A)-1P 2.36 Wafer ass'y (A)-2P 2.36 Wafer ass'y (A)-3P 2.36 Wafer ass'y (A)-4P 2.36 Wafer ass'y (A)-5P 2.36 Wafer ass'y (A)-6p	35309-Ó110 35309-0210 35309-0310 35309-0410 35309-0510 35309-0610	10.0/8.0mm centerline pitch	-Wafer Base: Nylon66 UL94V-0 -Pin: Brass
2.36 Wafer ass'y (B)-2P 2.36 Wafer ass'y (B)-4P 2.36 Wafer ass'y (B)-6p	35310-0210 35310-0410 35310-0610	8.0/6.0mm centerline pitch	(Tin-plated)

[3. RATINGS]

3.1 Current rating: 10A AC/DC
3.2 Voltage rating: 250V AC/DC
3.3 Temperature range: -25°C ~ +85°C 3.4 Applicable P.C.B thickness: 1.6mm

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[4. PERFORMANCE SPECIFICATION]

4.1 ELECTRICAL PERFORMANCE

	ITEM	TEST CONDITION	REQUIREMENT
	Contact resistance	Mate connector with a maximum voltage of 20mV and a current of 10mA.	10 milliohms max.
	Insulation resistance	Mate connector with a voltage of 500V DC between adjacent terminals and between terminals to ground.	100 megohm min.
Dielectric strength Mate connector with a voltage of 1500V AC for 1 minute between adjacent terminals and between terminals and ground.		No breakdown	

4.2 MECHANICAL PERFORMANCE

ITEM	TEST CONDITION	REC	QUIREMENT	
Wire pullout force	Apply on axial pullout force on a wire at a rate of 25±6mm per minute.	Wire size	Pullout force (min.)	
(axial)	minute.	AWG #24 AWG #22 AWG #20 AWG #18	3.1 kgf 5.1 kgf 7.1 kgf 8.5 kgf	
Connector	Housing and wafer shall be steadily		(maximum) force (kgf) 0,35716-0310	
insertion and inserted and ext	inserted and extracted at a rate of 25±6mm per minute.	1P: 2.5 2P: 4.0 3P: 5.5	4P: 7.0 5P: 8.0 6P: 9.0	
		35716-0111		
	1P: 3.3 2P: 5.2 3P: 7.2	4P: 9.1 5P:10.4 6P:11.7		
			(minimum) on force (kgf)	
		1P: 0.6 2P: 1.2 3P: 2.0	4P: 3.0 5P: 3.5 6P: 4.0	
Terminal retention force in hou'	Axial pullout force on the terminal in the housing at a rate of 25±6mm per minute			
Durability	Mate connectors up to 30cycles repeatedly at a rate of 10cycles per minuts.		esistance: liohm max.	

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ITEM	TEST CONDITION	REQUIREMENT
Vibration	Sweep: 10-55-10 hertz in one minute Duration: 2 hours in each X-Y-Z axis	* Appearance : No damage * Contact resistance: 20 milliohm max. * Dielectric strength: No breakdown

4.3 ENVIRONMENTAL PERFORMANCE

ITEM	TEST CONDITION	REQUIREMENT
Humidity steady state		
rise contact temperature at the rated the term		Maximum temperature of the terminal over ambient of 30℃
Solderability	Solser time : 3±0.5seconds solder temperature : 230±5℃	90% of immersed area must show no voids, pin holes,etc.
Resistance to solder heats	1 -11	
Salt spray Put the connector into the chamber at 35±2°C and spray 5% solution of Nacl for 48hours.		* Appearance: No damage * Contact resistance: 20 milliohm max.

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