

JAPANESE ENGLISH

【1. 適用範囲 SCOPE】

本仕様書は、

<u>殿</u> に納入する。

<u>1. 25mm ピッチFFC/FPC用コネクタ</u>について規定する。 This specification covers the 1.25mm PITCH FFC/FPC CONNECTOR series.

【2.製品名称及び型番 PRODUCT NAME AND PART NUMBER】

製 品 名 称 Product Name		製 品 型 番 Material Number
ハウジングアッセンブリ Housing Assembly	無鉛 LEAD FREE	5597 — NAPB7F
ハウジングアッセンブリ Housing Assembly	無鉛 LEAD FREE	5597 — NCPB7F
5597ーNCPB7F スティック梱包 Stick Package for 5597-NCPB7F	無鉛 LEAD FREE	5597-NCPB7F-ST

N: 図面参照 Refer to the drawings.

【3. 定格 RATINGS】

			項 Item	E									ŧ	見 Sta	andar	格 d				
		量 Rated V	侵大許容 ′oltage (I	電圧 MAXI	MUM)					20	0 V					中六山	古 roo	a) /D	01
		日 Rated C	曼大許容 Current (N	電流 MAXI	MUM)					1	А			l	AC (;	天※川		S) /D	0]
		ڑ) Ambient	使用温度 Tempera	範囲 ature	Rang	je							-2	°C ∙	~ +8	30°C*	1			
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【4. 性 能 PERFORMANCE】

<u>4-1. 電気的性能 Electrical Performance</u>

	項目	条件	規格
	Item	Test Condition	Requirement
4-1-1	接 触 抵 抗 Contact Resistance	適合FFC/FPCを嵌合させ、開放電圧 20mV 以下、 短絡電流 10mA にて測定する。 (JIS C5402 5.4) Mate applicable FFC/FPC, measure by dry circuit, 20mV MAXIMUM, 10mA. (JIS C5402 5.4)	20 milliohm MAXIMUM
4-1-2	絶 縁 抵 抗 Insulation Resistance	適合FFC/FPCを嵌合させ,隣接するターミナル間, ターミナル、アース間に,DC 500Vを印加し測定す る。(JIS C5402 5.2/MIL-STD-202 試験法 302) Mate applicable FFC/FPC and apply 500V DC between adjacent terminal or ground. (JIS C5402 5.2/MIL-STD-202 Method 302)	500 megohm MINIMUM
4-1-3	耐 電 圧 Dielectric Strength	適合FFC/FPCを嵌合させ、隣接するターミナル間及 びターミナル、アース間に、AC 500V(実効値)を 1分間印加する。 (JIS C5402 5.1/MIL-STD-202 試験法 301) Mate applicable FFC/FPC, apply 500V AC (rms) for 1 minute between adjacent terminal or ground. (JIS C5402 5.1/MIL-STD-202 Method 301)	異状なきこと No Breakdown

<u>4-2. 機械的性能 Mechanical Performance</u>

	項目 Item	条件 Test Condition	規格 Requirement
4-2-1	アクチュエータ 挿抜力 Actuator Insertion/ Withdrawal Force	適合FFC/FPCを嵌合させ、アクチュエータを 毎分 25±3 mmの速さで挿入、抜去を行う。 Mate applicable FFC/FPC and Insert and withdraw actuator at the speed rate of 25±3 mm per minute.	第 6 項 参 照 Refer to paragraph 6
4-2-2	FFC/FPC保持力 FFC/FPC Retention Force	アクチュエータ挿入状態にて、毎分 25±3 mm の速さでFFC/FPCを引き抜く。 Insert the actuator, pull the FFC/FPC at the speed rate of 25±3 mm per minute.	第 7 項 参 照 Refer to paragraph 7
4-2-3	端子保持力 Terminal/Housing Retention Force	各端子を、毎分 25±3 mm の速さで引き抜く。 Apply axial pull out force at the speed rate of 25 ±3 mm per minute on the terminal assembled in the housing.	5.9 N {0.6kgf} MINIMUM
4-2-4	端子強度 Terminal Strength	全ての方向に1分間 4.9N(500gf)の力を加える。 Apply 4.9N(500gf) in each X.Y.Z. axes for 1 minute.	割れ、折れのないこと No Damage

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				CONNECTOR				
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<u>4-3. その他 Environmental Performance ar</u>	nd Others
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	項目 Item	条件 Test Condition	規 Requir	格 rement
4-	アクチュエータ 繰り返し動作 ₃₋₁ Repeated	無通電状態にて、1分間に10回以下の速さで挿入、 抜去を30回繰り返す。 Insert and withdraw actuator up to 30 cycles at the speed rate of less than 10 cycles per minute.	接触抵抗 Contact Resistance	40 milliohm MAXIMUM
-	Actuator Insertion / Withdrawal	4-3-2 項から4-3-13 項までのテスト後、 アクチュエータを1回動作させる。 After completion of item 4-3-2~4-3-13 test, Insert and extract actuator up to 1 cycle.	外 観 Appearance	異状なきこと No Damage
4-	温度上昇 3-2 Temperature Rise	適合FFC/FPCを嵌合させ、最大許容電流を通電 し、コネクタの温度上昇分を測定する。 (UL 498) Mate applicable FFC/FPC, measure the temperature rise of contact when the maximum AC rated current is passed. (UL 498)	温度上昇 Temperature Rise	30 °C MAXIMUM
		DC 1mA通電状態にて、嵌合軸を含む互いに垂直 な3方向に掃引割合10~55~10Hz/分、全振幅 1.5mmの振動を各2時間加える。	外 観 Appearance	異状なきこと No Damage
4-	4-3-3 耐 振 動 性 Vibration	Mate applicable FFC/FPC and subject to the following vibration conditions, for a period of 2 hours in each of 3 mutually perpendicular axes, passing DC 1 mA during the test.	接触抵抗 Contact Resistance	40 milliohm MAXIMUM
		Amplitude : 1.5 mm P-P Frequency : 10-55-10 Hz Shall be traversed in 1 minute. (JIS C60068-2-6/MIL-STD-202, Method 201)	瞬 断 Discontinuity	1.0 microsecond MAXIMUM
		DC 1mA通電状態にて、嵌合軸を含む互いに垂直 な6方向に490m/s ² {50G}の衝撃を各3回加える。 (JIS C60068-2-27/MIL-STD-202試験法 213)	外 観 Appearance	異状なきこと No Damage
4-	-3-4 耐衝撃性 Shock	Mate applicable FFC/FPC and subject to the following shock conditions. 3 times of shocks shall be applied for each 6 directions along 3 mutually perpendicular axes, passing DC 1 mA	接触抵抗 Contact Resistance	40 milliohm MAXIMUM
		current during the test. (Total of 18 shocks) Peak value : 490 m/s ² {50 G} (JIS C60068-2-27/MIL-STD-202 Method 213)	瞬 断 Discontinuity	1.0 microsecond MAXIMUM
_	REVISE ON PC	ONLY TITLE: 1.25mm PITCH FFC	FPC CONNE	CTOR ZIF

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	項目 Item	1	Т	条件 est Condition		Re	規格 quirement	
4-3	而	扩熱 性 Heat	適合FFC/FPCを嵌 96時間放置後取り る。 (JIS C60068-2-2/M Mate applicable FF	合させ、85±2℃の雰囲気中に 出し、1~2時間室温に放置す IIL-STD-202 試験法 108) で/FPC and expose to	外 Appeara	観 ance	異状なる No Dar	きこと nage
	Resistance		exposure period, conditioned at amb hours, after which shall be performed (JIS C60068-2-2/M	接触抵 Conta Resista	抗 ct ance	40 mill MAXIN	iohm ⁄IUM	
	。 一 而	打寒 性	適合FFC/FPCを嵌 96時間放置後取り る。 (JIS C60068-2-1) Mate applicable FF	合させ、-40±2℃の雰囲気中に 出し、1~2時間室温に放置す C/FPC and expose to	外 Appeara	観 ance	異状なる No Dar	きこと mage
4-	S-0 Re	cold esistance	-40±2°C for 96 exposure period, th conditioned at amb hours, after which t shall be performed (JIS C60068-2-1)	nours. Upon completion of the e test specimens shall be ient room conditions for 1 to 2 he specified measurements	接触抵 Conta Resista	抗 ct ance	40 mill MAXIN	iohm ⁄IUM
			適合FFC/FPCを嵌 ~95%の雰囲気中(合させ、40±2℃ 相対湿度 90 こ 96時間放置後取り出し、1~	外 Appeara	観 ance	異状なる No Dar	きこと mage
4-3	3-7	, 耐湿性	2时间至温に放直9 (JIS C60068-2-3/M Mate applicable FF	接触抵 Conta Resista	抗 ct ance	40 mill MAXIN	iohm ⁄IUM	
	Н	umidity	Upon completion o specimens shall be	耐 電 Dielect Streng	圧 tric th	4-1-3項 満 Must mee	足のこと et 4-1-3	
			specified measurer (JIS C60068-2-3/M	nents shall be performed. IL-STD-202 Method 103)	絶縁抵 Insulat Resista	抗 ion nce	50 meç MININ	gohm MUM
	F	REVISE ON	N PC ONLY	TITLE: 1.25mm PITCH F	FFC / FP	ссо	NNECTOR	ZIF
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		項目 Item		条件 Test Condition		R格 rement	t
4	-3-8	温度サイクル Temperature	適合FFC/FPC ±2°Cに30分、 繰り返す。但 試験後1~2時 Mate applicab following cond completion of specimens sha	を嵌合させ、-30±3°Cに30分、+85 これを1サイクルとし、5サイクル し、温度移行時間は3分以内とする。 間室温に放置する。 (JIS C0025) le FFC/FPC and subject to the litions for 5 cycles. Upon the exposure period, the test all be conditioned at ambient room	外 租 Appearance	異状 No I	なきこと Damage
		Cycling	conditions for specified mea 1 cycle -30±3 +85±2 (Transit time (JIS C0025)	1 to 2 hours, after which the surements shall be performed. °C 30minutes °C 30minutes shall be within 3 minutes)	接触抵抗 Contact Resistance	40 r MA	nilliohm XIMUM
4	I-3-9	塩 水 噴 霧 Salt Spray	適合FFC/FPC ±1%の塩水を 水洗いした後、 (JIS C60068-2 Mate applicab following salt r the exposure p removed by a	を嵌合させ、35±2℃にて重量比 5 : 48±4時間噴霧し、試験後常温で 、室温で乾燥させる。 2-11/MIL-STD-202 試験方法101) le FFC/FPC and expose to the mist condition. Upon completion of period, salt deposits shall be gentle wash or dip in running	外 観 Appearance	異状 No l	なきこと Damage
		Gui Opiay	water, after wh shall be perfor NaCl solution Concentration Spray time Ambient ten (JIS C60068-2	hich the specified measurements med. on : 5 \pm 1% : 48 \pm 4 hours nperature : 35 \pm 2°C 2-11/MIL-STD-202 Method 101)	接触抵抗 Contact Resistance	40 r MA	nilliohm XIMUM
4	-3-10	亜硫酸ガス	適合FFC/FPC 50±5ppmの団 Mate applicab the following S	外 観 Appearance	異状 No I	なきこと Damage	
		SO ₂ Gas	Temperature Gas Density Duration	40±2℃ 50±5ppm 24 hours	接触抵抗 Contact Resistance	40 r MA	milliohm XIMUM
4.	-3-11	耐アンモニア性	適合FFC/FPC 水を入れた容 (1Lに対して)	を嵌合させ、濃度28%のアンモニア 器中に40分間放置する。 25mLの割合)	外 観 Appearance	異状 No I	なきこと Damage
		1113 043	exposure to N Ammonia solu	H ₃ gas evaporating from 28% lition.	在相包的 Contact Resistance	40 r MA	nilliohm XIMUM
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				1.25mm PITCH FFC /	FPC CONNE	CTOR	ZIF
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	項目		条件				
	Item		Test Condition		Requ	irement	t
		端子をフラッ	クスに浸し、本体の取付け基準面			浸润	責面積
		より1.2mmま	で、245±3℃の半田に3±0.5秒	海	الحل مل	75%	%以上
1212	半田付け性	浸す。		満	れ 作王 Ndor	7	'5% of
4-3-12	Solder Ability	Soldering time	$\Rightarrow: 3\pm 0.5$ seconds	50 Wa	older	Immer	rsed area
		Solder temper	ature : 245±3°C		Jung	void	ds pin
						h	oles.
4-3-13	半田耐熱性 Resistance to Soldering Heat	(ディップの5 Soldering bath 端子を本体の〕 260±5℃の半 Soldering time Solder temper (手半田時) Soldering iron 370~400℃の 最大5秒加熱 ないこと。 Solder Time Solder Tempe	場合) <u>n method</u> 取付け基準面より1.2mmまで、 田に5±0.5秒浸す。 e :5±0.5 seconds ature:260±5°C <u>n method</u> 半田ゴテにて する。但し、端ピンに異常な加圧の : 5 sec MAX. rature: 370~400°C	øኑ Appe	観 earance	端子 料 No D	ガタ、 れ等 !無き事 Damage
【5. 外観形 図面参	∜状、寸法及び材質 ≽照 Refer to the d	PRODUCT SH	(): 参考封 { }: 参考封	現格 単位 ALS】	Refere	nce Si	tandard nit
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6. アクチュエータ保持力(FFC) ACTUATOR INSERTION/WITHDRAWAL FORCE(FFC)】									
挿.	入力 (最大値	i)	拔	去力(最大値)					
	n ⊦orce (MAX		Withdra	wal ⊦orce (MAXI					
≁则回 1st	6回日 6th	30回目 30th	利回 1st	6回目 6th	30回目 30th				
27.4 {2.8}	26.4 {2.7}	26.4 {2.7}	28.4 {2.9}	27.4 {2.8}	27.4 {2.8}				
29.4 {3.0}	28.4 {2.9}	28.4 {2.9}	30.3 {3.1}	29.4 {3.0}	29.4 {3.0}				
30.3 {3.1}	29.4 {3.0}	29.4 {3.0}	31.3 {3.2}	30.3 {3.1}	30.3 {3.1}				
32.3 {3.3}	30.3 {3.1}	30.3 {3.1}	33.3 {3.4}	31.3 {3.2}	31.3 {3.2}				
33.3 {3.4}	31.3 {3.2}	31.3 {3.2}	34.3 {3.5}	32.3 {3.3}	32.3 {3.3}				
35.2 {3.6}	33.3 {3.4}	33.3 {3.4}	36.2 {3.7}	34.3 {3.5}	34.3 {3.5}				
36.2 {3.7}	34.3 {3.5}	34.3 {3.5}	37.2 {3.8}	35.2 {3.6}	35.2 {3.6}				
38.2 {3.9}	36.2 {3.7}	36.2 {3.7}	39.2 {4.0}	37.2 {3.8}	37.2 {3.8}				
39.2 {4.0}	37.2	37.2 {3.8}	40.1	38.2	38.2 {3.9}				
41.1 {4 2}	39.2 {4 0}	39.2 {4 0}	42.1	40.1	40.1 {4 1}				
42.1 {4.3}	40.1	40.1 {4 1}	43.1 {4 4}	41.1	41.1 {4 2}				
43.1 {4.4}	41.1	41.1	44.1	42.1	42.1				
45.0 {4.6}	42.1	42.1 {4.3}	46.0 {4.7}	43.1	43.1				
46.0 {4.7}	43.1	43.1 {4.4}	47.0 {4.8}	44.1	44.1 {4.5}				
48.0 {4.9}	45.0 {4.6}	45.0 {4.6}	49.0 {5.0}	46.0 {4.7}	46.0 {4.7}				
49.0 {5.0}	46.0 {4.7}	46.0 {4.7}	49.9 {5.1}	47.0 {4.8}	47.0 {4.8}				
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	ACTOAT 通 1nsertic 初回 1st 27.4 {2.8} 29.4 {3.0} 30.3 {3.1} 32.3 {3.3} 33.3 {3.4} 35.2 {3.6} 36.2 {3.7} 38.2 {3.9} 39.2 {4.0} 41.1 {4.2} 42.1 {4.3} 43.1 {4.4.4} 45.0 {46.0 {4.7} 48.0 49.0 {5.0}	挿入力 (最大値 Insertion Force (MAX) 初回 6回目 1st 6th 27.4 26.4 {2.8} {2.7} 29.4 28.4 {3.0} {2.9} 30.3 29.4 {3.1} {3.0} 32.3 30.3 {3.3} 31.3 {3.4} {3.2} 35.2 33.3 {3.6} {3.4} 35.2 33.3 {3.6} {3.4} 36.2 34.3 {3.7} {3.5} 38.2 36.2 {3.9} {3.7} 39.2 37.2 {4.0} {3.8} 41.1 39.2 {4.2} 40.1 {4.3} {4.1} 43.1 41.1 {4.3} 44.1 44.2 44.0 45.0 42.1 (4.6) 44.3 46.0 43.1 (4.4) 44.6 49.0 46.0 (4.0) 44.7	ACTORTOR INSERTION/WITHDR/ 挿入力 (最大値) Insertion Force (MAXIMUM) 初回 6回目 300目 1st 6th 30th 27.4 26.4 26.4 (2.8) (2.7) (2.7) 29.4 28.4 28.4 (3.0) (2.9) (2.9) 30.3 29.4 29.4 (3.1) (3.0) (3.0) 32.3 30.3 30.3 (3.3) (3.1) (3.1) 33.3 31.3 31.3 (3.4) (3.2) (3.2) 35.2 33.3 33.3 (3.7) (3.5) (3.5) 38.2 36.2 36.2 (3.7) (3.7) (3.7) 39.2 37.2 37.2 (4.0) (4.0) (4.0) 41.1 39.2 39.2 (4.2) (4.1) 40.1 (4.2) (4.2) (4.2) (4.2) (4.2) (4.2) (4.2) (4.1) 41.1 (4.3) (4.3) (4.3)	INSERTION/WITHEDRAWAL FORCE $i h > J (i h > J) ($	ACTOATOR INSERTION/WITHDRAWAL PORCE(FPC)] Istat (GA/CME) Istat (GA/CME) Insertion Force (MAXIMUM) Withdrawal Force (MAXIMUM) Withdrawal Force (MAXIMUM) Jat 60E 30DE June 60E 1st 61h 30DE June 60E 27.4 26.4 26.4 28.4 27.4 (2.8) (2.7) (2.9) (3.1) (3.0) 30.3 29.4 29.4 31.3 30.3 30.3 29.4 29.4 31.3 30.3 31.1 (3.0) (3.0) (3.2) (3.1) 32.3 30.3 30.3 33.3 31.3 33.3 (3.1) (3.4) (3.4) (3.4) (3.4) (3.4) (3.4) (3.7) (3.5) (3.6) (3.4) (3.4) (3.7) (4.0) (3.8) 36.2 36.2 36.2 39.2 37.2 (3.7) (3.7) (3.5) (3.8) (4.1) (3.8) <t< td=""></t<>				

LANGUAGE molex molex **PRODUCT SPECIFICATION** JAPANESE ENGLISH 挿入力 (最大値) 抜去力 (最大値) 極数 単位 Insertion Force (MAXIMUM) Withdrawal Force (MAXIMUM) Number of UNIT 初回 6回目 30回目 初回 6回目 30回目 Circuit 6th 6th 30th 1st 30th 1st Ν 50.9 47.0 47.0 51.9 48.0 48.0 19 {kgf} {5.2} {4.8} {4.8} {5.3} {4.9} {4.9} Ν 51.9 48.0 48.0 52.9 49.0 49.0 20 {kgf} {4.9} {5.3} {4.9} {5.4} {5.0} {5.0} Ν 53.9 49.9 49.9 54.8 50.9 50.9 21 {kgf} {5.5} {5.1} {5.1} {5.6} {5.2} {5.2} Ν 54.8 50.9 50.9 55.8 51.9 51.9 22 {kgf} {5.6} {5.2} {5.2} {5.7} {5.3} {5.3} Ν 56.8 51.9 51.9 57.8 52.9 52.9 23 {kgf} {5.8} {5.3} {5.3} {5.9} {5.4} {5.4} Ν 57.8 52.9 52.9 58.8 53.9 53.9 24 {kgf} {5.9} {5.4} {5.4} {6.0} {5.5} {5.5} Ν 59.7 54.8 54.8 60.7 55.8 55.8 25 {kgf} {6.1} {5.6} {5.6} {6.2} {5.7} {5.7} Ν 56.8 60.7 55.8 55.8 61.7 56.8 26 {kgf} {5.8} {6.2} {5.7} {5.7} {6.3} {5.8} Ν 62.7 56.8 63.7 57.8 57.8 56.8 27 {kgf} {6.4} {5.8} {5.8} {6.5} {5.9} {5.9} Ν 63.7 57.8 57.8 64.6 58.8 58.8 28 {kgf} {6.5} {5.9} {5.9} {6.6} {6.0} {6.0} Ν 65.6 59.7 59.7 66.6 60.7 60.7 29 {kgf} {6.7} {6.1} {6.1} {6.8} {6.2} {6.2} Ν 66.6 60.7 60.7 67.6 61.7 61.7 30 {kgf} {6.8} {6.2} {6.2} {6.9} {6.3} {6.3} Ν 68.6 62.7 62.7 69.5 63.7 63.7 31 {kgf} {7.0} {6.4} {6.4} {7.1} {6.5} {6.5} Ν 69.5 63.7 63.7 70.5 64.6 64.6 32 {kgf} {6.5} {6.6} {7.1} {6.5} {7.2} {6.6} Ν 71.5 65.6 65.6 72.5 65.6 65.6 33 {kgf} {7.3} {6.7} {6.7} {7.4} {6.7} {6.7} Ν 72.5 66.6 66.6 73.5 66.6 66.6 34 {kgf} {7.4} {6.8} {6.8} {7.5} {6.8} {6.8} Ν 73.5 67.6 67.6 74.4 67.6 67.6 35 {6.9} {kgf} {7.5} {6.9} {7.6} {6.9} {6.9} TITLE: **REVISE ON PC ONLY** 1.25mm PITCH FFC / FPC CONNECTOR ZIF B SEE SHEET 1 OF 12 -LEAD FREE-製品仕様書 THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION REV. DESCRIPTION FILE NAME SHEET DOCUMENT NUMBER PS-5597-004 PS5597004.doc 8 OF 12 EN-37-1(019)





6. アクチュ	<mark>ェー</mark> タ保持力(FP	C) ACTUAT	OR INSERTIC	DN/WITHDRA	WAL FORCE(FPC)					
标 数		挿.	重入力 (最大値) 拔去力 (最大値)								
1™ 🕱 Number of	単位	Insertic	n Force (MAX	(IMUM)	Withdra	wal Force (MA)	XIMUM)				
Circuit	UNIT	初回	6回目	30回目	初回	6回目	30回目				
		1st	6th	30th	1st	6th	30th				
2	N	23.5	22.5	22.5	32.3	31.3	31.3				
5	{kgf}	{2.4}	{2.3}	{2.3}	{3.3}	{3.2}	{3.2}				
	N	25.4	24 5	24.5	34 3	33.3	33.3				
4	{kaf}	{2.6}	{2.5}	{2.5}	{3.5}	{3 4}	{3 4}				
	((2.0)	(2.0)	(2.0)	(0.0)	(0.1)	(0.1)				
5	N	26.4	25.4	25.4	35.2	34.3	34.3				
C	{kgf}	{2.7}	{2.6}	{2.6}	{3.6}	{3.5}	{3.5}				
_	Ν	28.4	26.4	26.4	37.2	35.2	35.2				
6	{kaf}	{2.9}	{2.7}	{2.7}	{3.8}	{3.6}	{3.6}				
		()	()	(,	(0.0)	(0.0)	(0.0)				
7	N	29.4	27.4	27.4	38.2	36.2	36.2				
	{kgt}	{3.0}	{2.8}	{2.8}	{3.9}	{3.7}	{3.7}				
0	N	31.3	29.4	29.4	40.1	37.2	37.2				
8	{kgf}	{3.2}	{3.0}	{3.0}	{4.1}	{3.8}	{3.8}				
	N I	00.0	. ,			. ,	00.0				
9	N (kaf)	32.3	30.3	30.3	41.1	38.2	38.2				
	{KGI}	{3.3}	{3.1}	{3.1}	{4.2}	{3.9}	{3.9}				
10	N	34.3	32.3	32.3	43.1	39.2	39.2				
10	{kgf}	{3.5}	{3.3}	{3.3}	{4.4}	{4.0}	{4.0}				
	N	20.4	27.4	27.4	20.2	27.2	27.2				
11	{kaf}	23.4 /3.0\	12 81	12 8	59.2 (4 0)	13 81	(3.8)				
	(kgr)	(0.0)	(2.0)	ر2.0	(4.0)	{0.0j	{0.0}				
12	N	30.3	28.4	28.4	40.1	38.2	38.2				
	{kgf}	{3.1}	{2.9}	{2.9}	{4.1}	{3.9}	{3.9}				
40	N	31.3	29.4	29.4	41.1	39.2	39.2				
13	{kgf}	{3.2}	{3.0}	{3.0}	{4.2}	{4.0}	{4.0}				
	NI	22.2	20.2	20.2	10.1	40.1	40.1				
14	{kaf}	52.5 13 31	30.3 /3 1\	30.3 /3.1\	42.1 1/ 3	40.1 1/ 1\	40.1 // 1\				
	(kgi)	رo.o _f	\ J .1}	\0.1 <i>}</i>	ر4.0	۱۳.۱۶	\ - . }				
15	N	34.3	31.3	31.3	44.1	41.1	41.1				
10	{kgf}	{3.5}	{3.2}	{3.2}	{4.5}	{4.2}	{4.2}				
	Ν	35.2	32.3	32.3	45.0	42.1	42.1				
16	{kgf}	{3.6}	{3.3}	{3.3}	{4.6}	{4.3}	{4.3}				
	NI	20.0		20.0	40.0	10.4	40.4				
17	IN (kaf)	30.2 (2 7)	33.3 (2 A)	33.3 (2-4)	40.0	43.1	43.1 (4-4)				
	{rAi}	<i>زی.۱</i> }	{J.4}	{J.4}	{4.1}	{ 4 .4}	{4.4}				
18	N	37.2	34.3	34.3	47.0	44.1	44.1				
10	{kgf}	{3.8}	{3.5}	{3.5}	{4.8}	{4.5}	{4.5}				
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						F	EN-37-1(01				

LANGUAGE molex molex **PRODUCT SPECIFICATION** JAPANESE ENGLISH 挿入力 (最大値) 抜去力 (最大値) 極数 単位 Insertion Force (MAXIMUM) Withdrawal Force (MAXIMUM) Number of UNIT 初回 6回目 30回目 初回 6回目 30回目 Circuit 6th 6th 1st 30th 1st 30th Ν 39.2 35.2 35.2 49.0 45.0 45.0 19 {kgf} {4.0} {3.6} {3.6} {5.0} {4.6} {4.6} Ν 40.1 36.2 36.2 49.9 46.0 46.0 20 {kgf} {4.1} {3.7} {3.7} {5.1} {4.7} {4.7} Ν 41.1 37.2 37.2 50.9 47.0 47.0 21 {kgf} {4.2} {3.8} {3.8} {5.2} {4.8} {4.8} Ν 42.1 38.2 38.2 51.9 48.0 48.0 22 {kgf} {4.3} {3.9} $\{4.9\}$ {4.9} {3.9} {5.3} Ν 44.1 39.2 39.2 53.9 49.0 49.0 23 {kgf} {4.5} {4.0} {4.0} {5.5} {5.0} {5.0} Ν 45.0 40.1 40.1 54.8 49.9 49.9 24 {kgf} {4.6} {4.1} {4.1} {5.6} {5.1} {5.1} Ν 46.0 41.1 41.1 55.8 50.9 50.9 25 {kgf} {4.7} {4.2} {4.2} {5.7} {5.2} {5.2} Ν 47.0 42.1 42.1 56.8 51.9 51.9 26 {kgf} {4.3} {4.8} {4.3} {5.8} {5.3} {5.3} Ν 49.0 43.1 43.1 58.8 52.9 52.9 27 {kgf} {5.0} {4.4} {4.4} {6.0} {5.4} {5.4} Ν 49.9 44.1 44.1 59.7 53.9 53.9 28 {kgf} {5.1} {4.5} {4.5} {6.1} {5.5} {5.5} Ν 50.9 45.0 45.0 60.7 54.8 54.8 29 {kgf} {5.2} {4.6} {4.6} {6.2} {5.6} {5.6} Ν 51.9 46.0 46.0 61.7 55.8 55.8 30 {kgf} {5.3} {4.7} $\{4.7\}$ {6.3} {5.7} {5.7} Ν 53.9 47.0 47.0 63.7 56.8 56.8 31 {kgf} {5.5} {4.8} {4.8} {6.5} {5.8} {5.8} Ν 54.8 48.0 48.0 64.6 57.8 57.8 32 {kgf} {4.9} {5.9} {5.9} {5.6} {4.9} {6.6} Ν 55.8 49.0 49.0 65.6 58.8 58.8 33 {kgf} {5.7} {5.0} {5.0} {6.7} {6.0} {6.0} Ν 56.8 49.9 49.9 66.6 59.7 59.7 34 {kgf} {5.8} {5.1} {5.1} {6.8} {6.1} {6.1} Ν 57.8 50.9 50.9 67.6 60.7 60.7 35 {kgf} {5.9} {5.2} {5.2} {6.9} {6.2} {6.2} TITLE: **REVISE ON PC ONLY** 1.25mm PITCH FFC / FPC CONNECTOR ZIF B SEE SHEET 1 OF 12 -LEAD FREE-製品仕様書 THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION REV. DESCRIPTION FILE NAME SHEET DOCUMENT NUMBER PS-5597-004 PS5597004.doc 10 OF 12 EN-37-1(019)





LANGUAGE

JAPANESE ENGLISH

【7 FFC/FPC保持力 FPC RETENTION FORCE】

極 数 Number of Circuit	単 位 UNIT	保持力 (最小值) Retention Force (MINIMUM)		極数 Number of	単位	保持力 (最小値) Retention Force (MINIMUM)		
		初回 1st	10回目 10th	Circuit	UNIT	初回 1st	10回目 10th	
3	N {kgf}	5.4 {0.55}	4.9 {0.50}	19	N {kgf}	10.8 {1.10}	7.9 {0.80}	
4	N {kgf}	5.9 {0.60}	4.9 {0.50}	20	N {kgf}	11.3 {1.15}	7.9 {0.80}	
5	N {kgf}	6.4 {0.65}	5.4 {0.55}	21	N {kgf}	11.8 {1.20}	8.4 {0.85}	
6	N {kgf}	6.9 {0.70}	5.9 {0.60}	22	N {kgf}	12.3 {1.25}	8.9 {0.90}	
7	N {kgf}	7.4 {0.75}	6.4 {0.65}	23	N {kgf}	12.8 {1.30}	8.9 {0.90}	
8	N {kgf}	7.9 {0.80}	6.9 {0.70}	24	N {kgf}	13.3 {1.35}	9.4 {0.95}	
9	N {kgf}	8.4 {0.85}	7.4 {0.75}	25	N {kgf}	13.8 {1.40}	11.8 {1.20}	
10	N {kgf}	8.9 {0.90}	7.9 {0.80}	26	N {kgf}	14.3 {1.45}	12.3 {1.25}	
11	N {kgf}	6.9 {0.70}	4.9 {0.50}	27	N {kgf}	14.7 {1.50}	12.8 {1.30}	
12	N {kgf}	7.4 {0.75}	5.4 {0.55}	28	N {kgf}	15.2 {1.55}	13.3 {1.35}	
13	N {kgf}	7.9 {0.80}	5.9 {0.60}	29	N {kgf}	15.7 {1.60}	13.8 {1.40}	
14	N {kgf}	8.4 {0.85}	5.9 {0.60}	30	N {kgf}	16.2 {1.65}	14.3 {1.45}	
15	N {kgf}	8.9 {0.90}	6.4 {0.65}	31	N {kgf}	16.7 {1.70}	14.7 {1.50}	
16	N {kgf}	9.4 {0.95}	6.9 {0.70}	32	N {kgf}	17.2 {1.75}	15.2 {1.55}	
17	N {kgf}	9.8 {1.00}	6.9 {0.70}	33	N {kgf}	17.7 {1.80}	15.7 {1.60}	
18	N {kgf}	10.3 {1.05}	7.4 {0.75}	34	N {kgf}	18.2 {1.85}	16.2 {1.65}	
				35	N {kgf}	18.7 {1.90}	16.7 {1.70}	

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JAPANESE ENGLISH

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		'		1.25mm PITCH	FFC / FPG	C CON	NECTOR	ZIF
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