The subject products should meet the following requirements.

1. Electrical Performance

	Item	Test Condition	Requirement
1-1	Rated voltage and current		AC 250V 7A DC 250V 7A
1-2	Contact resistance	Mate connectors measure by Dry Circuit, 20mV max.,10mA.	10 mΩ max.
1-3	Dielectric strength	When applied AC 1500V 1 minute between adjacent terminals or ground	No change
1-4	Insulation resistance	When applied DC 500V between adjacent terminals or ground	1000 MΩ min.

2. Mechanical Performance

	Item	Test Condition		Requirement
2-1	Insertion force	Mating speed : 25±3mm/minute		See para 6
2-2	Extraction force	Disengaging speed : 25±3mm/minute		See para 6
2-3	Duability	When mated up to 30 cycles by the rate of 10 cycles per minute	Contact resistance	20 mΩ max.
			Insertion extraction force	See para 6
2-4	Terminal retention force	Pull speed : 25±3mm/minute		2.0 kg Min.
2-5	Terminal strength	When applied a load of 500gw, 1 minute		No damage

3. Environmental Performance

	Item	Test Condition		Requirement
3-1	Temperature rise	When carried the rated current		30 ℃ max.
3-2	Vibration	1.5mm,10-55-10Hz/min.,each 2 hrs. for X,Y&Z directions, appling 1mA-DC current	Contact resistance	20 mΩ max.
			Discontinuity	1μsec. max.
			Appearance	No damage
3-3	Shock	50G,each 3 times for X,Y,Z directions, appling 1mA-DC current	Discontinuity	1μsec. max.
			Appearance	No damage

REV.B

	Item	Test Condition		Requirement
3-4	Solderability	Soldering time : 3 ± 0.5 sec. Soldering pot : 230 ± 5 ℃		Min. 3/4 of immersed area
3-5	Resistance to soldering heat	Soldering time : 5 ± 0.5 sec. Soldering pot : 260 ± 5 ℃		No damage
3-6	Heat resistance	105 ± 2℃, 96 hours	Contact resistance	20 mΩ max.
			Appearance	No damage
3-7	Humidity	Temperature : 40±2℃ Relative Humidity: 90~95% Duration : 96 hours Measurement must be taken within 30 minutes after tested	Contact resistance	20 mΩ max.
			Dielectric strength	To pass para 1-3
			Insulation resistance	100 MΩ min.
			Appearance	No damage
3-8	Temperature cycling (5 cycles)	One cycle consists of (1) -55±3℃, 30 minutes (2) Room temp. 10~15 minutes (3) 105±2℃, 30 minutes (4) Room temp. 10~15 minutes	Contact resistance	20 mΩ max.
			Appearance	No damage
3-9	Salt Spray	Temperature: 35±2℃ Solution : 5±1% Spray time : 48±4 hours Measurement must be taken after water rinse.	Contact resistance	20 mΩ max.
			Appearance	No significant corrosion
3-10	SO_2 Gas	24 hours in sulfur dioxide gas (SO_2) 50±5ppm at 40±2℃	Contact resistance	20 mΩ max.

4. Ambient Temperature Range : -40℃ ～ 105℃*
   * : Including terminal temperature rise.

5. Construction,Dimension and Material : Specified by the attached drawing.

REV.B

6. Insertion and Extraction Force

No. of Ckt.	Insertion Force (kgf, max.)			Extraction Force (kgf, min.)		
	1st	6th	30th	1st	6th	30th
2	6.5	5.5	5.5	1.0	0.8	0.8
3	8.5	7.5	7.5	1.5	1.2	1.2
4	10.5	9.5	9.5	2.0	1.6	1.6
5	13.0	12.0	12.0	2.5	1.9	1.9
6	15.0	13.5	13.5	2.9	2.3	2.3

Mated with Molex parts No.

5265-N (5167/5168T,TL,PBT,PBTL)

No. of Ckt.	Insertion Force (kgf, max.)			Extraction Force (kgf, min.)		
	1st	6th	30th	1st	6th	30th
2	4.4	3.6	3.6	0.6	0.5	0.5
3	5.6	4.8	4.8	0.9	0.7	0.7
4	6.8	6.0	6.0	1.2	0.9	0.9
5	8.0	7.2	7.2	1.5	1.1	1.1
6	9.2	8.4	8.4	1.8	1.3	1.3

Mated with Molex parts No.

5196-N (5194/5225T,TL)