

2100 SERIES PIN HEADER 2.54x2.54mm STRAIGHT TYPE

MATERIAL:

Housing: Thermoplastic (UL94V-0)

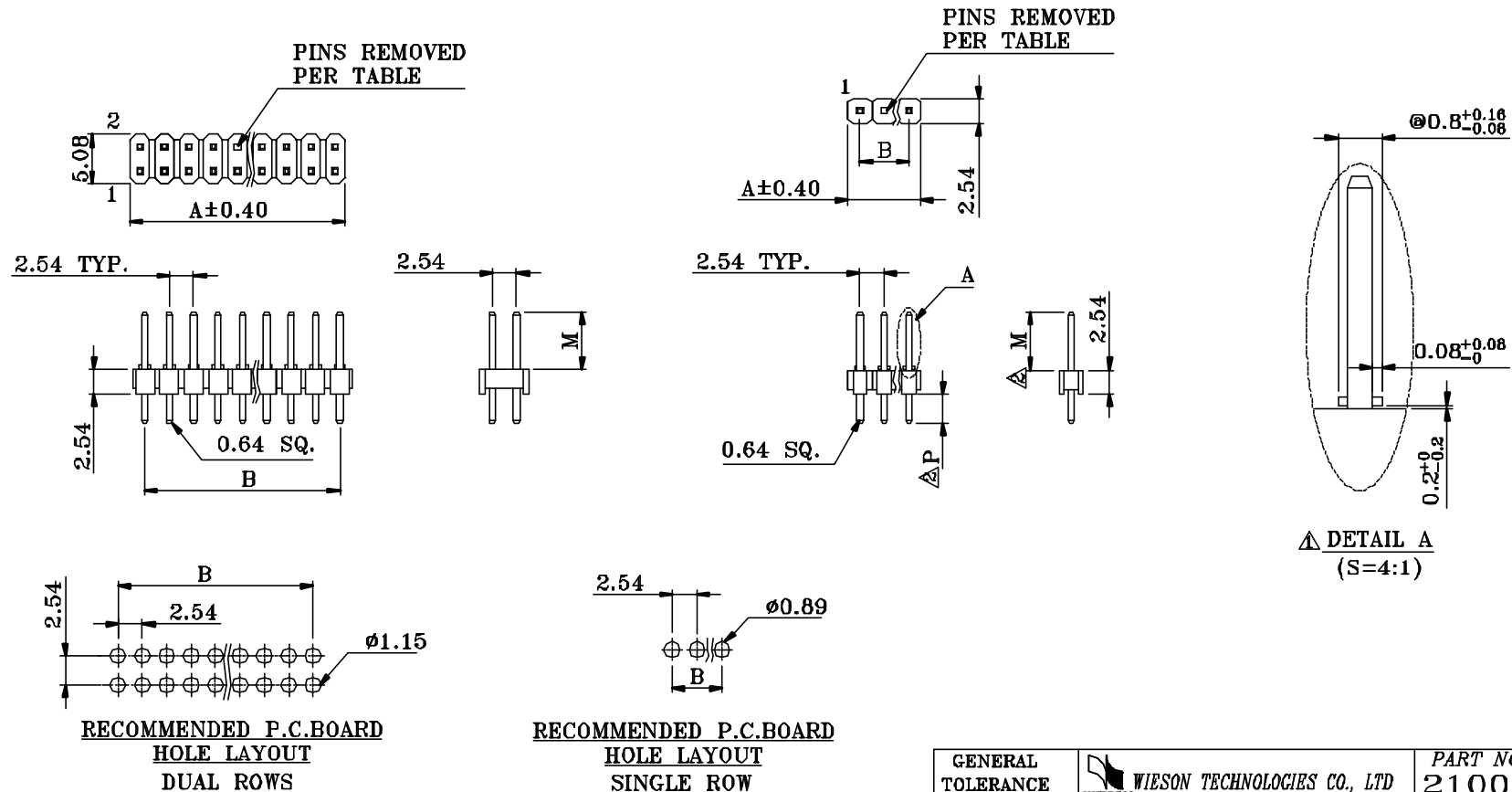
Housing Color: See Table

Terminal: Copper Alloy

Terminal Plated: Optional Gold over 50u" min.

Ni underplated overall. (See Table)

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	00.03.06	NEW RELEASE		ROSY
M	03.06.02	ADD NEW ITEM	TECR03000780	Jackyan
N	03.06.06	ADD NEW ITEM	TECR03000802	Lome
O	03.07.01	ADD PRODUCT TYPE	TECR03000820	Jackyan
P	03.07.31	ADD PRODUCT TYPE	AK0307021	Lome
Q	03.09.09	ADD PRODUCT TYPE	AK0309006	LMG
R	03.11.11	ADD PRODUCT TYPE	AK0311010	PETER
S	03.11.11	MODIFY SPEC	TECR03000935	PETER



NOTE: 1.P.C.B LAYOUT TOLERANCE: ±0.05mm

GENERAL TOLERANCE ±0.25mm		PART NO.: 2100C888-XXX	
GENERAL ANGLE TOLERANCE ±3°		DRAWN BY ROSY(WSC)	DRAWING NO. 2100C888-XXX
	CHECKED BY JIMMY	DRAWING SIZE A3	
	APPROVED BY KEVIN	UNIT mm	
	SORTING NO. WSC	PAGE 1 OF 4	

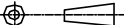

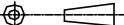
ISSUED

[ARTICLE: 044033 V3]

	DASH#	NUMBER OF POSITIONS	A DIMENSION	B DIMENSION	△ M DIMENSION	△ P DIMENSION	PINS REMOVED	PLATED	HOUSING COLOR
△	001	1*3	7.62	5.08	6.00	2.54	NONE	1u"Au	BLACK
△	002	1*3	7.62	5.08	6.00	2.54	2	1u"Au	BLACK
△	003	2*5	12.7	10.16	6.00	2.54	10	1u"Au	BLACK
△	004	2*9	22.86	20.32	6.00	2.54	1 , 5	1u"Au	BLACK
△	005	2*8	20.32	17.78	6.00	2.54	7	1u"Au	BLACK
△	006	2*8	20.32	17.78	6.00	2.54	4 , 7	1u"Au	BLACK
△	007	2*9	22.86	20.32	6.00	2.54	14	1u"Au	BLACK
△	008	2*5	12.7	10.16	6.00	2.54	6	1u"Au	BLACK
△	009	2*8	20.32	17.78	6.00	2.54	14	1u"Au	BLACK
△	010	2*7	17.78	15.24	6.00	2.54	6	1u"Au	BLACK
△	011	2*13	33.02	30.48	6.00	2.54	1	1u"Au	BLACK
△	012	2*13	33.02	30.48	6.00	2.54	20	1u"Au	BLACK
△	013	2*13	33.02	30.48	6.00	2.54	23	1u"Au	BLACK
△	014	2*7	17.78	15.24	6.00	2.54	6,7,10	1u"Au	BLACK
△	015	2*13	33.02	30.48	6.00	2.54	1,24	1u"Au	BLACK
△	016	2*17	43.18	40.64	6.00	2.54	5	1u"Au	BLACK
△	017	2*20	50.8	48.26	6.00	2.54	20	1u"Au	BLACK
△	018	2*13	33.02	30.48	6.00	2.54	25	1u"Au	BLACK
△	019	2*4	10.16	7.62	6.00	2.54	1	1u"Au	BLACK
△	020	2*4	10.16	7.62	6.00	2.54	5	1u"Au	BLACK
△	021	2*7	17.78	15.24	6.00	2.54	3	1u"Au	BLACK
△	022	2*7	17.78	15.24	6.00	2.54	2	1u"Au	BLACK
△	023	2*8	20.32	17.78	6.00	2.54	16	1u"Au	BLACK
△	024	2*8	20.32	17.78	6.00	2.54	13	1u"Au	BLACK
△	025	2*10	25.4	22.86	6.00	2.54	4,14,19	1u"Au	BLACK
△	026	2*3	7.62	5.08	6.00	2.54	3	1u"Au	BLACK
△	027	2*20	50.8	48.26	6.00	2.54	25,27,28	1u"Au	BLACK
△	028	2*26	66.04	63.5	6.00	2.54	7	1u"Au	BLACK
△	029	2*13	33.02	30.48	6.00	2.54	26	1u"Au	BLACK
△	030	2*27	68.58	66.04	6.00	2.54	7,8,15,16,23,24 31,32,39,40,47	1u"Au	BLACK
△	031	2*17	43.18	40.64	6.00	2.54	16,17,18 24	1u"Au	BLACK
△	032	2*3	7.62	5.08	6.00	2.54	1	1u"Au	BLACK
△	033	2*8	20.32	17.78	6.00	2.54	2,11,12,16	1u"Au	BLACK
△	034	2*10	25.4	22.86	6.00	2.54	4	1u"Au	BLACK
△	035	2*2	5.08	2.54	6.00	2.54	4	1u"Au	BLACK

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	00.03.06	NEW RELEASE		ROSY
M	03.06.02	△3ADD NEW ITEM	TECR03000780	Jackyan
N	03.06.06	△4ADD NEW ITEM	TECR03000802	Lome
O	03.07.01	△5ADD PRODUCT TYPE	TECR03000820	Jackyan
P	03.07.31	△6ADD PRODUCT TYPE	AK0307021	Lome
Q	03.09.09	△7ADD PRODUCT TYPE	AK0309006	LMG
R	03.11.11	△8ADD PRODUCT TYPE	AK0311010	PETER
S	03.11.11	△9 MODIFY SPEC	TECR03000935	PETER

	DASH#	NUMBER OF POSITIONS	A DIMENSION	B DIMENSION	△ M DIMENSION	△ P DIMENSION	PINS REMOVED	PLATED	HOUSING COLOR
△	036	2*13	33.02	30.48	6.00	2.54	2,5,8,10	1u"Au	BLACK
△	037	2*17	43.18	40.64	6.00	2.54	9,10	1u"Au	BLACK
△	038	2*17	43.18	40.64	6.00	2.54	17,24	1u"Au	BLACK
△	039	2*17	43.18	40.64	6.00	2.54	17,30	1u"Au	BLACK
△	040	2*17	43.18	40.64	6.00	2.54	25,27,28	1u"Au	BLACK
△	041	2*17	43.18	40.64	6.00	2.54	27,28	1u"Au	BLACK
△	042	2*5	12.7	10.16	6.00	2.54	8	1u"Au	BLACK
△	043	2*8	20.32	17.78	6.00	2.54	2	1u"Au	BLACK
△	044	2*17	43.18	40.64	6.00	2.54	17	1u"Au	BLACK
△	045	2*5	12.7	10.16	6.00	2.54	2	1u"Au	BLACK
△	046	2*31	78.74	76.2	6.00	2.54	NONE	1u"Au	BLACK
△	047	2*15	38.1	35.56	6.00	2.54	7,8,15,16 23,24	1u"Au	BLACK
△	048	2*7	17.78	15.24	6.00	2.54	14	1u"Au	BLACK
△	049	2*3	7.62	5.08	6.00	2.54	NONE	1u"Au	BLACK
△	050	1*4	10.16	7.62	6.00	2.54	NONE	1u"Au	BLACK
△ △	051	1*2	5.08	2.54	6.00	2.54	NONE	1u"Au	BLACK
△ △	052	2*8	20.32	17.78	6.00	2.54	10,14	1u"Au	BLACK
△ △	053	1*8	20.32	17.78	6.00	2.54	4	1u"Au	BLACK
△ △	054	2*4	10.16	7.62	6.00	2.54	NONE	1u"Au	BLACK
△ △	055	2*2	5.08	2.54	6.00	2.54	NONE	1u"Au	BLACK



<div>GENERAL TOLERANCE ±0.25mm</div> <div>GENERAL ANGLE TOLERANCE ±3°</div> <div></div>	<div> WIESON TECHNOLOGIES CO., LTD</div>		<div>PART NO. ·</div> <div>2100C888-XXX</div>	
	DRAWN BY	ROSY(WSC)	DRAWING NO.	2100C888-XXX
	CHECKED BY	JIMMY	DRAWING SIZE	<div></div> A3
	APPROVED BY	KEVIN	UNIT	mm
	<div> SORTING NO.</div>		WSC	PAGE

ISSUED

[ARTICLE: 044033 V3]

REV	DATE	DESCRIPTION	ECN NO.	NAME
A	00.03.06	NEW RELEASE		ROSY
M	03.06.02	A ADD NEW ITEM	TECR03000780	Jackyan
N	03.06.06	A ADD NEW ITEM	TECR03000802	Lome
O	03.07.01	A ADD PRODUCT TYPE	TECR03000820	Jackyan
P	03.07.31	A ADD PRODUCT TYPE	AK0307021	Lome
Q	03.09.09	A ADD PRODUCT TYPE	AK0309006	LMG
R	03.11.11	A ADD PRODUCT TYPE	AK0311010	PETER
S	03.11.11	A MODIFY SPEC	TECR03000935	PETER

[illegible]

GENERAL TOLERANCE $\pm 0.25\text{mm}$ GENERAL ANGLE TOLERANCE $\pm 3^\circ$	 WIESON TECHNOLOGIES CO., LTD		PART NO. 2100C888-XXX	
	DRAWN BY	ROSY(WSC)	DRAWING NO.	2100C888-XXX
	CHECKED BY	JIMMY	DRAWING SIZE	A3
	APPROVED BY	KEVIN	UNIT	mm
	SORTING NO.	WSC	PAGE	4 OF 4

ISSUED

[ARTICLE: 044033 V3]



 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

TABLE OF CONTENT

1. Scope.....	2
2. Reference Documents.....	2
3. Material and Components.....	2
4. Design and Construction.....	2
5. Rating.....	2
6. Performance and Test Descriptions.....	2
7. Test Requirements and Procedures Summary.....	3
8. Product Qualification and Requalification Test Sequence.....	11
9. Quality Assurance Provisions.....	12

Rev	Date	Description	Edited by	Approvals
A	1998/10/05	Issue	Jim	Prepared : KEN
B	2000/4/22	Modify format	Ken	
				Checked : JIM
				Approved : FRED

No part of the information shown on this document may be used in any way without office stamp or written consent of WIESON ELECTRONIC CO., LTD.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

1. Scope :

This specification covers the requirements for product performance, test methods and quality assurance provisions of **Pin Header Connector**.

2. Reference Documents :

The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the latest edition of the document applies. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

A. EIA-364 : The Test Sequence and Test Procedures for Electrical Connectors and Sockets.

B. UL Std-94 : Test for Flammability of Plastic material for Parts in Devices and Appliances.

3. Material of Components :

A. Housing : Thermoplastic, UL94V-0 Rated

B. Contact : Copper Alloy

4. Design and Construction :

Product shall be of the design, construction and physical dimensions specified in the applicable product drawing.

5. Ratings :

A. Voltage : 125Vrms maximum

B. Current : 1.0A

C. Storage Temperature : -20~70°C

D. Operating Temperature : 0~85°C

6. Performance and Test Descriptions :

The product is designed to meet the electrical, mechanical and environmental performance requirements specified in paragraph 7. Unless otherwise specified, All tests are performed at ambient environmental conditions.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

7. Test Requirements and Procedures Summary :

Electrical Performance		
Test Description	Test Procedures & Condition	Requirements
Temperature Rise vs Current Rating	<p>EIA 364-70 Method B</p> <p>The object of this procedure is to detail a standard method to assess the current carrying capacity of mated connector contacts.</p> <p>Measure temperature rise vs current at 1.0A when measured at an ambient temperature of $23\pm 3^{\circ}\text{C}$.</p>	The ΔT shall not exceed $+30^{\circ}\text{C}$ at any point in the connector under test.
Low Level Contact Resistance	<p>EIA 364-23</p> <p>The object of this test procedure is to detail a standard method to measure the electrical resistance across a pair of mated contacts such that the insulating films, if present, will not be broken or asperity melting will not occur.</p> <p>Subject mated contacts assembled in housing to closed circuit current of 100 mA maximum at open circuit at 20 mV maximum.</p>	<p>1. 20 mΩ maximum initial per mated pair.</p> <p>2. 30 mΩ maximum final per mated contact.</p>
Insulation Resistance	<p>EIA 364-21</p> <p>The object of this test procedure is to detail a standard method to assess the insulation resistance of connectors. This test procedure is used to determine the resistance offered by the insulation materials and the various seals of a connector to a DC potential tending to produce a leakage of current through or on the surface of these members.</p> <p>Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector assemblies.</p> <p>Test Voltage : 500 Vdc.</p>	1,000 M Ω minimum

Test Description	Test Procedures & Condition	Requirements
Dielectric Withstanding Voltage	<p>EIA 364-20</p> <p>The object of this test procedure is to detail a test method to prove that a connector can operate safely at its rated voltage and withstand momentary over potentials due to switching, surges and/or other similar phenomena.</p> <p>Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector assemblies.</p> <p>Test Potential : 1000 Vac at sea level</p> <p>Test Duration : 60 seconds</p>	<ol style="list-style-type: none"> 1. No flashover, No sparkover, No excess leakage, No breakdown. 2. Current leakage : $< 0.5 \text{ mA}$



 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

Mechanical Performance		
Test Description	Test Procedures & Condition	Requirements
Flammability	UL 94V-0 This procedure is to ensure thermoplastic resin compliance to UL flammability standards.	The manufacturer will require its thermoplastic resin vendor to supply a detailed C of C with each resin shipment. The C of C shall clearly show the resin's UL listing number, lot number, date code, et cetera.
Contact Retention	EIA 364-29 The object of this test is to detail a standard method to assess the ability of the contact retaining system to withstand the axial mechanical stresses likely to be encountered during normal usage. Subject unmated connector to measure the axial seating load forces required to take up any slack of the contact in its retention system. Apply an axial load to the contact at a rate of approximately 1lbs per second. Record by using autograph.	1. 2 pounds minimum for 5 seconds. 2. No movement from normal position.
Durability	EIA 364-09 The object of this test procedure is to detail a uniform test method for determining the effects caused by subjecting a connector to the conditioning action of insertion and extraction, simulating the expected life of the connectors. Durability cycling with a gauge is intended only to produce mechanical stress. Durability performed with mating components is intended to produce both mechanical and wear stress.	1. 50 insertion / extraction cycles at a maximum rate of 500 cycles per hour. 2. No evidence of damage. 3. The electrical performances should meet the spec. specified.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

Test Description	Test Procedures & Condition	Requirements
Solderability	<p>EIA 364-52 Category 3</p> <p>The object of this test procedure is to detail a uniform test method for determining connector solderability. The test procedure contained herein utilizes the solder dip technique. It is not intended to test or evaluate solder cup, solder eyelet, other hand-soldered type or SMT type terminations.</p> <p>Subject unmated connectors should be tested according to the condition listed below :</p> <p>Steam Aging Temperature : 90 ~ 96°C Steam Aging Duration : 8 hours±5 min. Soldering Temperature : 245±5°C Soldering Time : 4 ~ 5 seconds Flux : Unactivated</p>	Continuous solder coating with a minimum 95% coverage.
Vibration (Random)	<p>EIA 364-28 Condition V Test letter A</p> <p>This test procedure is applicable to connectors that may, in service, be subjected to conditions involving vibration. Whether a connector has to function during vibration or merely to survive conditions of vibration should be clearly stated by the detailed product specification. In either case, the relevant specification should always prescribe the acceptable performance tolerances.</p> <p>Subject mated connectors should be tested according to the condition listed below :</p> <p>Test condition : Random Frequency : 50 ~ 2000 Hz PSD value : 5.35 G_{rms} minimum Duration : 15 minutes/axis Times : Each of three mutually perpendicular planes.</p>	<ol style="list-style-type: none"> 1. No discontinuities of 1μs or longer duration. 2. No evidence of damage. 3. The electrical performances should meet the spec. specified.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

Test Description	Test Procedures & Condition	Requirements
Physical Shock	<p>EIA 364-27 Condition H</p> <p>The object of this test procedure is to detail a standard method to assess the ability of a connector to withstand specified severity of mechanical shock.</p> <p>Subject mated connectors should be tested according to the condition listed below :</p> <p>Wave form : Half-sine Peak acceleration : 30 G's Duration : 11 ms Times : 3 shocks in each direction applied along three mutually perpendicular planes, total 18 shocks.</p>	<ol style="list-style-type: none"> 1. No discontinuities of 1 μs or longer duration. 2. No evidence of damage. 3. The electrical performances should meet the spec. specified.



WIESON®

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

Environmental Performance		
Test Description	Test Procedures & Condition	Requirements
Humidity (Temperature Cycling)	<p>EIA 364-31 Method III Test Condition A</p> <p>The object of this test procedure is to detail a standard test method for the evaluation of the properties of materials used in connectors as they are influenced by the effects of high humidity and heat.</p> <p>Subject mated and unmated connectors should be tested according to the condition listed below :</p> <p>Temperature : 25 ~ 65°C</p> <p>Humidity : 90 ~ 95% (R.H)</p> <p>Duration : 96 hours</p>	1. No evidence of damage. 2. The electrical performances should meet the spec. specified.
Thermal Shock	<p>EIA 364-32 Test Condition I</p> <p>The object of this test is to determine the resistance of a connector to exposure at extremes of high and low temperatures and to the shock of alternate exposures to these extremes, simulating the worst case conditions for storage, transportation and application.</p> <p>Subject mated and unmated connectors should be tested according to the condition listed below :</p> <p>Temperature : -55 ~ 85°C</p> <p>Cycles : 5 cycles</p> <p>Exposure time at temp. extremes : 30 minutes</p>	1. No evidence of damage. 2. The electrical performances should meet the spec. specified.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

Test Description	Test Procedures & Condition	Requirements
Salt Spray	<p>EIA 364-26 Test Condition A</p> <p>The object of this test procedure is to detail a standard test method to assess the effects of a controlled salt laden atmosphere on connector components, finishes and mechanisms.</p> <p>Subject mated and unmated connectors should be tested according to the condition listed below :</p> <p>Temperature : $35\pm 1.1^{\circ}\text{C}$ Humidity : 95 ~ 98% (R.H.) PH Value : 6.5 ~ 7.2 Duration : 48 hours</p>	<ol style="list-style-type: none"> 1. No evidence of damage. 2. The electrical performances should meet the spec. specified.
Temperature Life	<p>EIA 364-17 Test Condition 3 Method A</p> <p>The object of this test is to detail a standard test method to assess the ability of a connector to withstand elevated temperatures with or without electrical loading.</p> <p>Subject mated connectors should be tested according to the condition listed below :</p> <p>Temperature : $85\pm 2^{\circ}\text{C}$ Duration : 96 hours</p>	<ol style="list-style-type: none"> 1. No evidence of damage. 2. The electrical performances should meet the spec. specified.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

Test Description	Test Procedures & Condition	Requirements
Resistance to Soldering Heat	<p>EIA 364-56 Procedure 3 Test Condition C (Dip type)</p> <p>The test is performed for the purpose of determining whether connectors can withstand the effects of the heating and/or environment to which they will be subjected during the soldering of their terminations by solder dip, soldering iron, solder wave, or reflow soldering techniques. The heat and/or environment of soldering may affect the electrical characteristics of the connector and may cause damage to the materials making up the connector. It may also result in loosening of terminations, softening or distortion of insulation materials, opening of solder seals, weakening of mechanical joints, etc.</p> <p>Subject unmated connectors should be tested according to the condition listed below :</p> <p>Temperature : $260 \pm 5^{\circ}\text{C}$ Immersion Duration : 10 ± 2 seconds Immersion and emersion rate : $25.4\text{mm} \pm 6.35\text{mm}$ per second</p>	<ol style="list-style-type: none"> 1. No evidence of damage. 2. The electrical performances should meet the spec. specified. 3. The mechanical performances should meet the spec. specified.
	<p>EIA 364-56 Procedure 5 Level 1 (SMD Type)</p> <p>Subject unmated connectors should be tested according to the condition listed below :</p> <p>Peak Temperature : $215 + 10^{\circ}\text{C} / - 0^{\circ}\text{C}$ Over 200°C duration : 30~35 seconds.</p>	

Note : Shall meet visual requirements, show no physical damage, and shall meet requirements of additional tests as specified in Test Sequence in paragraph 8.

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

8. Product Qualification and Requalification Test Sequence :


A. Sample Selection :

Test samples shall be prepared in accordance with applicable Instruction Sheets and shall be selected at random from current production.

B. Test Sequence :

The following is an example of how the test sequence works : In Test Group 8, the first test is (1), examination of product, followed by test (2), temperature rise vs current, followed by test (3), examination of product. Six samples are tested in this test group.

Test Description Sequence	Test Group							
	1	2	3	4	5	6	7	8
Examination of product	1,3	1,6	1,5	1,8	1,9	1,6	1,3	1,3
Low Level Contact Resistance		2,5	2,4		2,6	2,4		
Insulation Resistance				2,6	3,7			
Dielectric Withstanding Voltage				3,7	4,8			
Temperature Rise vs Current								2
Contact Retention	2							
Durability						3		
Solderability						5		
Vibration		4						
Physical Shock		3						
Humidity				5				
Thermal Shock				4				
Salt Spray					5			
Temperature Life			3					
Resistance to Soldering Heat							2	
Sample Size per Test Group	8	8	8	8	8	8	8	6

 WIESON ELECTRONIC CO., LTD.	SPECIFICATION AND PERFORMANCE	TYPE OF PRODUCT
		Pin Header Connector

9. Quality Assurance Provisions :

Unless otherwise specified, in the contract or purchase order, we will be responsible for the quality of the part as it is delivered to client. We will be responsible for having controlled processes to ensure product is in total compliance with this specification. Failing lots shall be subject to return or other corrective action.

Further, WIESON will not substitute components of the assembly (connector, cable, etc.) without prior written approval from client. Any such substitutions shall be submitted to client for approval prior to implementation. Substitution shall be deemed as any change in WIESON different than those previously submitted to and approved by client.

A. Re-qualification Testing :

If changes significantly affecting form, fit or function are made to the product or manufacturing process, product assurance shall coordinate requalification testing, consisting of all or part of the original testing sequence as determined by development/product, quality and reliability engineering.

B. Re-testing :

Connectors stored for a period of more than 12 months after the release of the lot shall be tested prior to delivery.

C. Acceptance :

Acceptance is based on verification that the product meets the requirements of paragraph 7. Failures attributed to equipment, test setup or operator deficiencies shall not disqualify the product. When product failure occurs, corrective action shall be taken and samples resubmitted for qualification. Test to confirm corrective action is required before resubmittal.

D. Inspection Data :

Inspection and test data shall be recorded, evaluated, and maintained as evidence of performance to these provisions.

E. Quality Conformance Inspection :

Applicable WIESON quality inspection plan will specify the sampling acceptable quality level to be used. Dimensional and functional requirements shall be in accordance with the applicable product drawing and this specification.

F. Preparation for Delivery :

Overall packaging shall be sufficient to protect against damage or loss during shipment from WIESON to destination specified in the purchase order.

SHINKONG SYNTHETIC FIBERS CORP
223 YEN PING RD SEC 3 PIN CHENG, TAO YUAN
HSIEN TAIWAN

E107536 (M)

MH053	Col	Min Tak amp	UL94 Flame Class	Elec	RTI		H W	H A	H T	H B	C
					with imp	Mech w/o imp					
Polybutylene terephthalate (PBTP) furnished in the form of pellets.											
D202	All	0.71	94V-0	140	110	120	4	0	—	—	—
		1.5	94V-0	140	110	130	3	0	—	—	—
		3.0	94V-0	140	130	130	2	0	3	6	3
D202G30	All	0.71	94V-0	140	120	140	3	1	—	—	—
		1.5	94V-0	140	130	140	2	1	—	—	—
		3.0	94V-0	140	130	140	0	1	4	8	3
D202G30 50% Regrind	All	0.71	94V-0	140	120	140	3	1	—	—	—
		1.5	94V-0	140	130	140	2	1	—	—	—
		3.0	94V-0	140	130	140	0	1	4	6	3
D202G15	All	0.71	94V-0	130	110	130	3	2	—	—	—
		1.5	94V-0	130	110	130	2	1	—	—	—
		3.0	94V-0	130	120	130	2	0	3	8	2
D202G#	All	0.71	94V-0	130	110	120	4	2	—	—	—
		1.5	94V-0	130	110	130	3	1	—	—	—
		3.0	94V-0	130	110	130	2	2	4	6	3
D201	All	0.71	94H8	140	100	120	4	2	—	—	—

UL CARD

ECBT2 July 12, 1996
Component - Connectors For Use In Data, Signal, Control And Power Applications

WIESON ELECTRONIC CO LTD
278-1 TA TUNG RD, SEC 1 HSI CHIH, TAIPEI
HSIEN TAIWAN

E144137 (T)
(A card)

Connectors.
Series 208, 1100, 1110, 1120, 1130, 1140, 1150, 2100, 2105, 2110, 2120, 2130, 2140, 2150, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2290, 2300, 2310, 2320, 2330, 2350, 2360, 2370, 2380, 2510, 2520, 2560, 2570, 2580, 2600, 3100, 3110, 3111, 3130, 3140, 3150, 3160, 3161, 3162, 3163, 3168, 3170, 3172, 3180, 3190, 3200, 3202, 3210, 3220, 3230, 3240, 4100, 4101, 4110, 4111, 4120, 4121, 4130, 4131, 4132, 4140, 4141, 4150, 4151, 4152, 4153, 4154, 4155, 4180, 4170, 4172, 4173, 4180, 4190, 4200, 4210, 4220, 5700, 5710, 5720, 5730, 5740, 6100, 6110, 6120, 7110, 7120, 7130, 7700, 7710, 7720, 7730, 7740, 7750, 7760, 7770, 8270, 8290.
Cat. Nos. 3500 followed by 04, followed by B, G or W, followed by T1 or T2, followed by F1, F2, F3, F4, F5, P1, P2, P3, P4, S1, S2, S3, S4 or S5, followed by any one digit alphanumeric code.
Cat. No. M3600 followed by 04, followed by B, G or W, followed by N, P or T. Cat. No. M3601 followed by B or P, followed by F or S, followed by 1, 2, 3, 4 or 5.

Reports: April 17, 1992; July 17, 1996.

748777001

Underwriters Laboratories Inc.®

(Cont. on B card)
D11/0280165

ECBT2 July 12, 1996
Component - Connectors For Use In Data, Signal, Control And Power Applications

WIESON ELECTRONIC CO LTD

E144137 (t)

(B-cont. from A card)
Cat. No. M3602 followed by B, P or T, followed by A or B, followed by T1 or T2. Cat. No. 6141 followed by 188, followed by P or T, followed by D, F, P or S, followed by 1, 2, 3, 4, 5 or 6, followed by any one digit alphanumeric code. Cat. No. 6142 followed by 188, followed by P or T, followed by F or S, followed by 1, 2, 3, 4 or 5, followed by any one digit alphanumeric code. Cat. No. 6145 followed by 180, followed by F or S, followed by 1, 2, 3, 4 or 5, followed by N, P or T, followed by B or P, followed by M or P. Cat. No. 6146 followed by 180, followed by F or S, followed by 1, 2, 3, 4 or 5, followed by N, P or T, followed by B or P, followed by M or P, followed by any one digit alphanumeric code. Cat. Nos. 6150 followed by 120, 150, 160 or 184, followed by F or S, followed by 1, 2, 3, 4 or 5, followed by N, P or T, followed by B or P, followed by M or P, followed by any one digit alphanumeric code. Cat. No. 6151 followed by 112, 120, 132, 182, 194 or 240, followed by F or S, followed by 1, 2, 3, 4 or 5, followed by N, P or T, followed by B or P, followed by M or P, followed by any one digit alphanumeric code. Cat. No. 6152 followed by 112, 120, 132, 182, 194 or 240, followed by F or S, followed by 1, 2, 3, 4 or 5, followed by N, P or T, followed by B or P, followed by M or P, followed by any one digit alphanumeric code.

Report: July 17, 1996.

748777001

Underwriters Laboratories Inc.®

(Cont. on C Card)
D11/0302151

ECBT2 July 12, 1996
Component - Connectors For Use In Data, Signal, Control And Power Applications

WIESON ELECTRONIC CO LTD

E144137 (T)

(C - cont. from B card)
Cat. No. 6200 followed by A or B, followed by 1, 2 or 3, followed by 1, 2 or 3, followed by L, N, P or T, followed by F, P or S, followed by 1, 2, 3, 4 or 5, followed by B or W, followed by any one digit alphanumeric code.

Marking: Company name or tradename "WIESON" or "E144137" and series designation on device or carton.

See General Information Preceding These Recognitions.

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Report: July 17, 1996.

Cards E144137A, B and C (three cards) replace E144137 dated March 25, 1996.

748777001

Underwriters Laboratories Inc.®

D11/0302557

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICAT
認証証書

CERTIFICATE



No. Q1 99 10 27082 002

TÜV PRODUCT SERVICE GMBH certifies that

Wieson Electronic Co., Ltd.

7F., No. 276, Sec. 1, Ta Tung Road,
Hsi Chih Town, Taipei Hsien, Taiwan, R.O.C.

in the facility:

7F., No. 276, Sec. 1, Ta Tung Road,
Hsi Chih Town, Taipei Hsien, Taiwan, R.O.C.

for the following area:

development, production and distribution of
Connector and Cable Assembly

has established and is maintaining a quality system which meets the
requirements of:

DIN EN ISO 9001 08.94

as documented in audit report no. 61021915701.

This certificate is valid until 09/2002.

Munich, 11-15-1999

TÜV PRODUCT SERVICE GMBH
ACCREDITED CERTIFICATION BODY
FOR QUALITY SYSTEMS



TGA-ZQ-008/93