

PRODUCT SPECIFICATION 2.00 Box Header Series	SPEC.No.:Box Header-002	
	Rev: A	Page: 1 / 6

TABLE OF CONTENT

1. Scope.....	2
2. Shape,Construction and Dimensions.....	2
3. Material.....	2
4. Accommodated cable and P.C.Board.....	2
5. Rating	2
6. Product Performance and Requirement.....	3
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Rev	Date	Description	Edited by	Approvals
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PRODUCT SPECIFICATION 2.00 Box Header Series	SPEC.No.:Box Header-002	
	Rev: A	Page: 2 / 6

1. Scope:

This specification covers the requirements for product performance, test methods and quality assurance provisions of **2.00 Box Header Series**.

2. Shape,Construction and Dimensions:

See attached drawing

3. Materials

See attached drawing

4. Accommodated cable and P.C.Board

4.1 Thickness:0.8(.031") ~1.6mm(.063")

4.2 P.C.Board Layout:See attached drawings

5. Rating:

A	Current	2 A
C	Temperature	-40°C ~+105°C

6. Product Performance and Requirements:

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

PRODUCT SPECIFICATION 2.00 Box Header Series	SPEC.No.:Box Header-002	
	Rev: A	Page: 4 / 6

		cetera.
Pin retention force	Push Pin form insulator base at speed 25±3mm Per minite	More than 800 gram
Environmental Performance		
Test Description	Test Procedures & Condition	Requirements
Solder ability	EIA 364-52 Subject unmated connectors should be tested according to the condition listed below: Steam Aging Temperature: 90 ~ 96°C Steam Aging Duration: 8 hours±5 min. Soldering Temperature: 260±5°C Soldering Time: 4 ~ 5 seconds Flux: Inactivated	Continuous solder coating with a minimum 95% coverage.
Resistance to Soldering Heat	EIA 364-56 Condition B Subject unmated connectors should be tested according to the condition listed below: Insulator:PA6T/LCP DIP Type : Soldering time:5±0.5 seconds Soldering pot:260±5 °C SMT Type : Soldering time:5±0.5 seconds Soldering pot:250~260°C Insulator:PBT Soldering time:5±0.5 seconds Soldering pot:230°C	No damage.

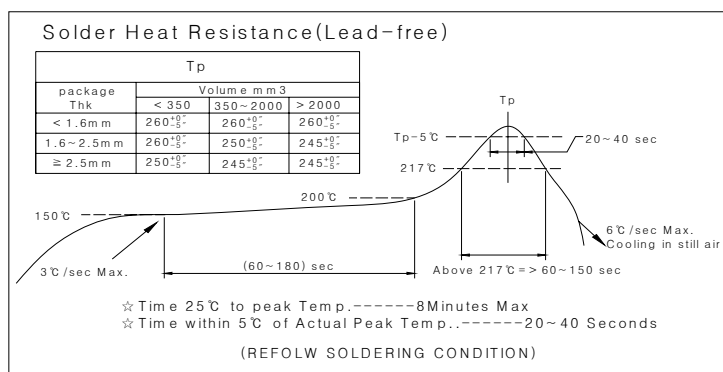
PRODUCT SPECIFICATION 2.00 Box Header Series	SPEC.No.:Box Header-002	
	Rev: A	Page: 5 / 6

Test Description	Test Procedures & Condition	Requirements
Temperature Life	<p>A 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 : $105 \pm 2^{\circ}\text{C}$ Duration : 96 hours</p>	<p>1. No evidence of damage.</p> <p>2. The electrical performances should meet the spec. specified.</p>
Salt Spray	<p>EIA 364-26</p> <p>Subject mated and unmated connectors should be tested according to the condition listed below:</p> <p>Temperature: $35 \pm 3^{\circ}\text{C}$ Humidity: 95 ~ 98% (R.H.) PH Value: 6.5 ~ 7.2 Duration: 48 hours</p>	<p>1. No evidence of damage.</p> <p>2. The electrical performances should meet the spec. Specified.</p>

Soldering Condition:

Reflow soldering

Lead-Free-IPC / IPC-STD-020C



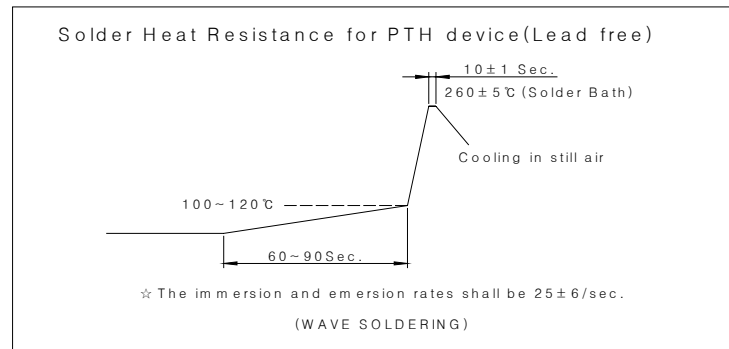
PRODUCT SPECIFICATION

2.00 Box Header Series

SPEC.No.:Box Header-002

Rev: A

Page: 6 / 6

Wave Soldering**Lead-Free-JESD22-B106C-Lead-free****Leyconn**