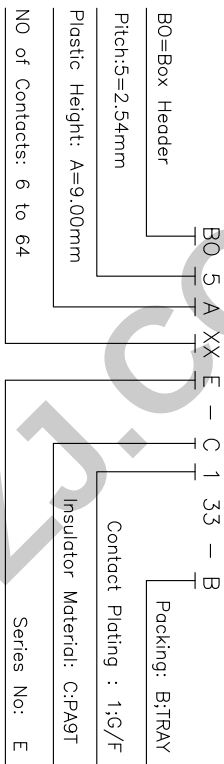


RECOMMENDED PCB LAYOUT
(TOLERANCE:±0.10)

1.ELECTRICAL SPECIFICATIONS:

- 1.1 Rated current (额定电流): 3A
 - 1.2 Dielectric Withstanding Voltage(耐电压) : 1000V AC for one minute
 - 1.3 Contact Resistance(接触电阻) : <20mΩ
 - 1.4 Insulation Resistance(绝缘电阻) : >1000MΩ
 - 1.5 Operating Temperature(工作温度) : -40℃ ~ 105℃
- 2.MATERIAL SPECIFICATION:
- 2.1 Insulator Material(绝缘体材质): PA9T Color:Black
 - 2.2 Contact Material(端子材质): Brass

PART NO. LEGEND:



CONTACTS	DIMENSIONS	
	A	B
6	5.08	15.27
8	7.62	17.81
10	10.16	20.35
12	12.70	22.89
14	15.24	25.43
16	17.78	27.97
18	20.32	30.51
20	22.86	33.05
22	25.40	35.59
24	27.94	38.13
26	30.48	40.67
28	33.02	43.21
30	35.56	45.75
32	38.10	48.29
34	40.64	50.83
36	43.18	53.37
38	45.72	55.91
40	48.26	58.45
42	50.80	60.99
44	53.34	63.53
46	55.88	66.07
48	58.42	68.61
50	60.96	71.15
52	63.50	73.69
54	66.04	76.23
56	66.58	78.77
58	71.12	81.31
60	73.66	83.85
62	76.20	86.39
64	78.74	88.93



DESCRIPTION:
2.54mm Pitch Box Header Double Row DIP180°

DRAWING:		GENERAL TOLERANCE		 CHIN-BAN electronics (H.K.) co., ltd	
E		Hu yatao	.X: =±0.30 .XX: =±0.20 .XXX: =±0.10		
D		CHECKED:	UNIT: MM		DESCRIPTION: 2.54mm Pitch Box Header Double Row DIP180°
C		Tony	PROJECTION:		
B		APPROVAL:	SCALE: N/A		PART NO: BO5AXXE-C133-B
A		Yang jie	SHEET: 1/1		
NO.	DATE	DESCRIPTION	APPROVAL		CUSTOMER NO:
					REV:1.0
					SIZE: A4



BOX HEADER CONNECTOR

SCOPE

THIS SPECIFICATION COVERS THE REQUIREMENTS FOR PRODUCT PERFORMANCE AND TEST METHODS OF PITCH:2.54mm BOX HEADER CONNECTOR.

1.0 THE RELATED SPECIFICATIONS

EIA - 364: ELECTRONIC CONNECTORS AND CONNECTOR TEST PROCEDURE.

UL STD - 94: ABOUT PLASTIC MATERIAL EQUIPMENT SPARE PARTS AND EQUIPMENT FIRE RETARDANT TEST SPECIFICATION.

2.0 THE STRUCTURE, SIZE, MATERIAL

REFER TO THE FINISHED PRODUCT FIGURE

3.0 RATINGS

VOLTAGE

250 Volts AC (RMS) {or 30 Volts DC}

CURRENT

3.0Amps

TEMPERATURE

Operating:- 40°C to + 105°C

Save the humidity range: relative humidity below 90% RH

4.0 PERFORMANCE

STRUCTURE

No.	Project	Test methods	Specifications
	The appearance	Visual, method of measurement	Conform to the requirements of the drawings

ELECTRICAL PROPERTIES

No.	Project	Test methods	Specifications
1	Low Level Contact Resistance	EIA 364-23 Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.	20 milliohms Max
2	Insulation Resistance	EIA 364-21 Unmate & unmount connectors: apply a voltage of 500 VDC Between adjacent terminals and between terminals to ground	1000 Megohms Min

THIS PRODUCT CONTAINS NO ROHS ENVIRONMENT OF BANNING THE USE OF MATERIAL

PRODUCT SPECIFICATION		PRODUCTS NAME	2.54 BOX HEADER		
Chin-Ban Electronics(H.K)Co.,LTD		MATERIAL NO.			1/4
THE FILE NUMBER:		VERSION: A	PREPARATION: Calory	REVIEW: Tony	APPROVED: Yang jie



No.	Project	Test methods	Specifications
3	Dielectric Withstanding Voltage	EIA 364-20 Un-mate connectors: apply a voltage of 1000 volts VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown; current leakage < 0.5 mA

MECHANICAL REQUIREMENTS

No.	Project	Test methods	Specifications
4	Pin retention force	EIA 364-13 Push pin from insulator base at speed 25. 4±3 mm per minute.	7N/Pin Min
5	Durability	EIA 364-09 Connector shall be subjected to 100 cycles of insertion and withdrawal	Contact resistance: 50 milliohms Max

ENVIRONMENTAL REQUIREMENTS

No.	Project	Test methods	Specifications
6	Humidity	EIA 364-31A , 40±2°C;90~95%RH;96hours measurement must be taken within 30 min. after tested	1). No damage 2).less than twice of initial dielectric strength
7	Heat aging	EIA 364-17 Test Condition 2 105 +/- 2°C 96hours	1).No damage
8	Solderability	EIA 364-52 After one hour steam aging. Temperature of the wetting: 260±5°C (Sn: Lead Free) ; Time: 3 ± 0.5S	The surface of the portion to be soldered shall at least 95% covered with new solder
9	Resistance To Solder Heat	MIL-STD-202F, Method 210A, Test 1.Wave Soldering Temperature: 255 +/- 5°C Time: 3~5 sec.	1).No damage
10	Salt spray test	EIA 364-26 The temperature : 35±1°C Solution:5±1% Time: 12H	1).No damage 2). Contact Resistance:50 milliohms Max 3). Insulation Resistance:1000 Megohms Min

THIS PRODUCT CONTAINS NO ROHS ENVIRONMENT OF BANNING THE USE OF MATERIAL

PRODUCT SPECIFICATION		PRODUCTS NAME	2.54 BOX HEADER		
Chin-Ban Electronics(H.K)Co.,LTD		MATERIAL NO.			2/4
THE FILE NUMBER:		VERSION: A	PREPARATION: Calory	REVIEW: Tony	APPROVED: Yang jie



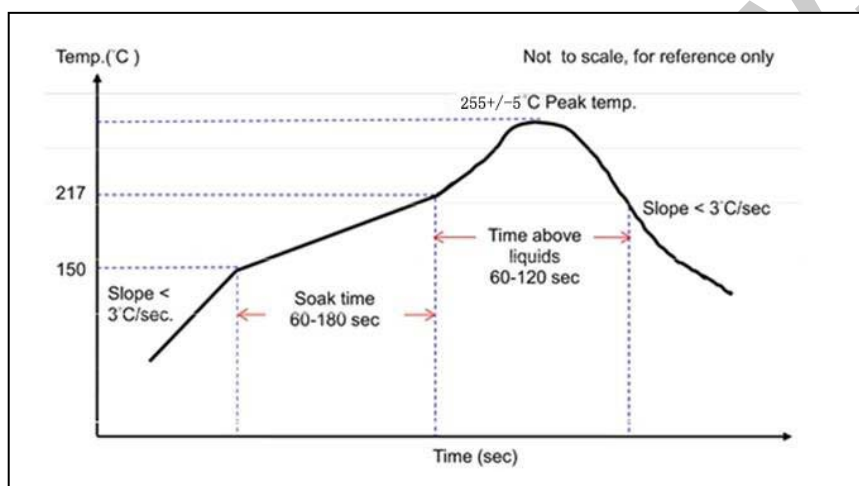
5.THE PACKIN

SEE PACKING DIAGRAM

6.MODIFY THE CONTENT

Change	Date	Change the content	Preparation	Approved by

7.REFLOW CONDITION



THIS PRODUCT CONTAINS NO ROHS ENVIRONMENT OF BANNING THE USE OF MATERIAL

PRODUCT SPECIFICATION		PRODUCTS NAME	2.54 BOX HEADER		
Chin-Ban Electronics(H.K)Co.,LTD		MATERIAL NO.			3/4
THE FILE NUMBER:		VERSION: A	PREPARATION: Calory	REVIEW: Tony	APPROVED: Yang jie



8. TEST SEQUENCE

TEST SEQUENCES IDENTIFICATION

Test Group									
Test Item	Test Description	A	B	C	D	E	F	G	H
	Examination of product	1 7	1 5	1 7	1 7	1 3	1 3	1 3	1 3
1	Low Level Contact Resistance	2			2 6				
2	Insulation Resistance	5		2 6					
3	Dielectric Withstanding Voltage	3 6		3 5					
4	Temperature Rise		3						
5	Pin retention force		2 4		3 5	2			
6	Durability				4				
7	Humidity	4							
8	Heat aging							2	
9	Solderability						2		
10	Resistance To Solder Heat								2
11	Salt spray test			4					
Number of Test Samples		5	5	5	5	5	5	5	5

THIS PRODUCT CONTAINS NO ROHS ENVIRONMENT OF BANNING THE USE OF MATERIAL

PRODUCT SPECIFICATION

PRODUCTS NAME

2.54 BOX HEADER

Chin-Ban Electronics(H.K)Co.,LTD

MATERIAL NO.

4/4

THE FILE NUMBER:

VERSION: A

PREPARATION:
Calory

REVIEW:
Tony

APPROVED:
Yang jie