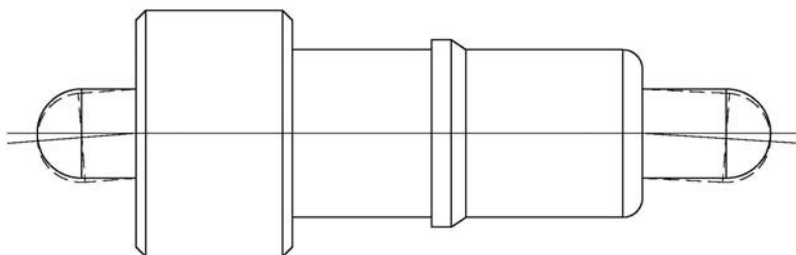


AcRon PRODUCT SPECIFICATION



AcRon 文管中心
2021-04-21
發行章

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(NUCONN)

REVISION:	ECR/ECN INFORMATION:		PRODUCT NO	BTC48 SERIES	SHEET No
B	EC No:	RC-T21016	PRODUCT NAME	1 PIN Pogo Pin Connector	1 of 3
	DATE:	2021/04/20			
DOCUMENT NUMBER:		CREATED / REVISED BY:		CHECKED BY:	APPROVED BY:
PS-BC-0054		TIM		ANDELEE	KIMI

PRODUCT SPECIFICATION

1.0 SCOPE

This specification defines the related performance of the **1 PIN POGO PIN** connector.

2.0 PRODUCT DESCRIPTION

This Pogo-Pin consists of two contact pins ,a spring, a tub , For materials, plating see below Product Name:

1. BTC48 SERIES

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

See product drawing(according to the newest revised edition) and other sections of this specification for the relevant reference documents and specifications. In cases where the specification differs from the product drawings, the product drawings take precedence.

4.0 RATINGS

4.1	Rated Current (per contact)	1 A Max.
4.2	Rated Voltage	12V DC RMS .
4.3	Operating temperature range	-40 ° C~ +85 ° C .



5.0 ELECTRICAL PERFORMANCE

Test Ref.	Item	Test Condition	Requirements
5.1	Contact Resistance	Mate connector with circuit of 20mV, 100mA Max. Measured from pin side to shaft side, deflection 1.10 mm. Per EIA-364-23	50 mΩ maximum

REVISION:	ECR/ECN INFORMATION:	PRODUCT NO	BTC48 SERIES	SHEET No
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6.0 MECHANICAL PERFORMANCE

Test Ref.	Item	Test Condition	Requirements
6.1	Durability	Mate and unmate contacts at a rate of 10~20 cycles/minute to 10,000 cycles. Deflection:1.10 mm . Per EIA-364-09	[Contact Resistance]: 30mΩMaximum, [Normal force]: 100+/-20g
6.2	Normal Force	Measure normal force at contact point , Deflection: 1.10mm,	[Normal force]: 100+/-20g

7.0 ENVIRONMENTAL PERFORMANCE

Test Ref.	Item	Test Condition	Requirements
7.1	High Relative Humidity Exposure	Mate connectors: expose to a temperature of 42±2 °C with a relative humidity of 90~95% for 96hours Note: Remove surface moisture and air dry 48 hours prior to measurements. Per EIA-364-31	[Appearance]: no damage [Contact Resistance]: 50 mΩ maximum
7.2	Low Temperature Exposure	48 hours at -40°C 1hours recovery time	[Appearance]: no damage [Contact resistance]: 50 mΩ maximum
7.3	High Temperature Exposure	48 hours at +85°C Less than 25% relative humidity 1hours recovery time	[Appearance]: no damage [Contact resistance]: 50 mΩ maximum
7.4	Salt Spray Test	Per EIA-364-26 condition A 48 hours	[Appearance]: no damage.

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8.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

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AdRON 文件制訂、修訂、廢止申請單

文件編號	PS-BC-0054	文件名稱	BTC48 SERIES		
申請部門	工程	申請人	Tim	日期	2021/04/20
制訂單位	工程	制訂人	Tim	日期	2021/04/20
<input type="checkbox"/> 制訂 <input checked="" type="checkbox"/> 修訂 <input type="checkbox"/> 廢止原因說明	ECR-RC-T21016 RoHS 2.0 含鉛量 0.1%以下，低鉛料號(BTC48)PCN 申請客戶已核准，規格書更改為低鉛料號(BTC48)				
相關單位	Jaily Tim 4/20				
核准	