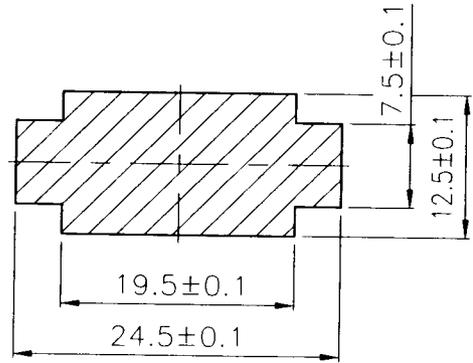
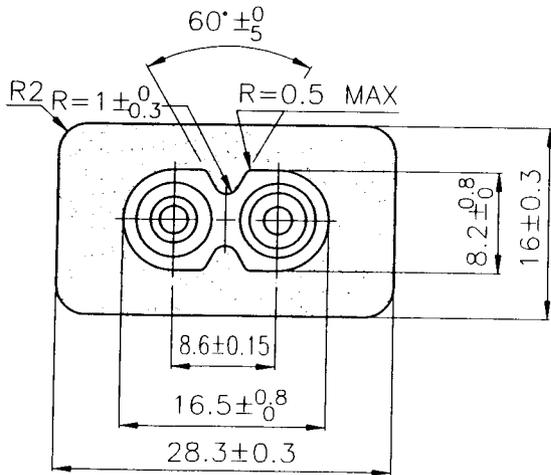


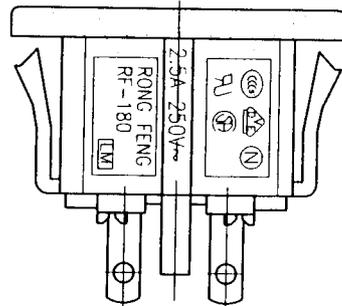
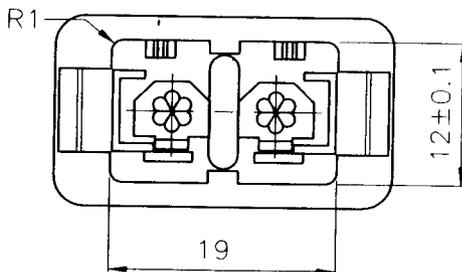
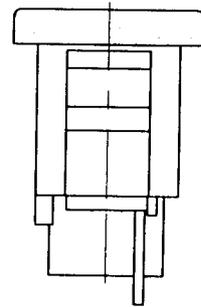
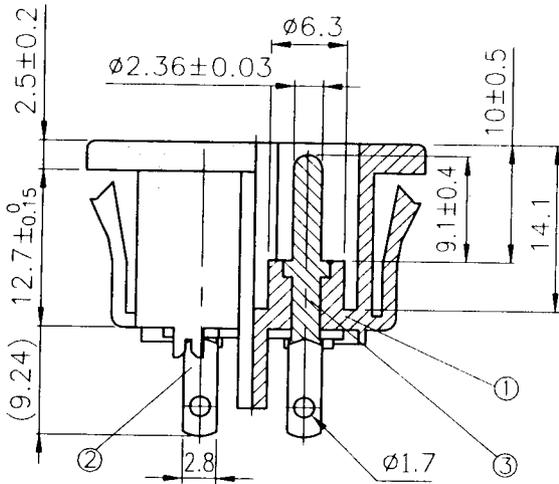
RF-180

SCALE : 1.5:1

UNIT : mm



PANEL CUTOUT THICKNESS 0.6mm~2.0mm



Rating: 2.5A 250V AC  
Approvals: UL/CSA/VDE/NEMKO/CCC

		DIMENSIONAL TOLERANCES	
		GRADATION	TOLERANCE
3	Contact PIN Brass Strip t=0.8 mm Tin-Plated	2	
2	Solid Contact PIN Brass Strip d=2.36 mm Ni-Plated	2	±0.4
1	Body Insulator PC Black Color	1	±0.3
APPROVED: 洪銘福 92.8.21			±0.1
CHECK: 蔡 14.11			ANGLE ±1°
DRAWER: 謝 92.8.21 祺祥		ORDER NO: RF-180-B2	
		DRAWING NO: 880248	

# RONG FENG INDUSTRIAL CO.,LTD.

## 榮豐工業股份有限公司

NO.180,CHENGKUNG 3 ROAD  
NAN TOU CITY,TAIWAN  
R.O.C.

TEL:886-49-252421~5  
FAX:886-49-253647

南投市成功三路 180 號  
統一編號:61451224  
CABEL:RONG FENG

### Specification Of (RF-190) AC Socket

page:1

#### 1.Scope

This specification covers the requirements for RF-190 AC Socket.

#### 2.Outline and dimensions

Outline and dimensions of the socket is shown on the following drawing

#### 3.Rating

5A250V AC for UL, CSA

2.5A250V AC for VDE, NEMKO,CCC

#### 4.Using condition

This socket should be used Max 105°C for UL, CSA

Max 70°C for VDE, NEMKO, CCC

#### 5.Storage condition

This socket should be holded from -10°C ~65°C.

#### 6.Standard

IEC 320-1

UL 498

CSA 22.2

DIN EN60320-1

#### 7.Electrical

##### 7.1. Dielectric strength

The socket should withstand a potential of alternating current 2500V/minute.

##### 7.2. Insulation resistance

Insulation resistance between pins should not be less than 100 MΩ.

It is measured with 500V DC.

# RONG FENG INDUSTRIAL CO.,LTD.

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南投市成功三路 180 號  
統一編號:61451224  
CABEL:RONG FENG

### Specification Of (RF-190) AC Socket

page:2

#### 8.Mechanical

- 8.1. Push-in/push-out pin strength test : 30kgf push-in force to socket 10cycle (1cycle/5sec), pin should shown no evidence of bend,body shown no cracking or broken.
- 8.2. Pull-out force strength test : pull-out force 10kgf to terminal 1 minute,terminal not be broken up.
- 8.3. Pulg-in operating test : 3000cycle plug-in test and pin should shown no evidence of bend or broken.

#### 9.Construction

##### 9.1. Heat test

The socket should be putted in a hot chamber at temperature of  $100 \pm 5^{\circ}\text{C}/\text{hour}$ .

The socket should have the capability to satisfy the performance the paragraphs 7.1., 7.2., 7.3. and the socket should show no evidence of cracking.

Crazing and deformation.

##### 9.2. Body strength

The socket should be press body with 6kg. The socket should have the capability to satisfy the performance the paragraphs 7.1., 7.2., 7.3. and the socket should show no evidence of cracking.

Crazing and deformation.

- 9.3. Soldering : THE temperature of soldering to be  $230 \pm 5^{\circ}\text{C}$  during for  $3 \pm 0.5$  seconds of dipping. And more then 75% of the dippecl part shall be covered by solder.

##### 9.4. Material

The socket should be used PBT.

#### 10.Packing

200 PCS/BAG,2,000 PCS/CTN.

APPROVED	CHECK	WRITER	DESCRIPTION
M. F. HUNG	John	Jenny	95. 7. 31

ENGINEER NO : TWI-K-0272

접수번호 : 05-1920-4114  
(Order No.)



# 전기용품안전인증서

## Electrical Appliances Safety Certificate

안전인증번호 : SU04057-5002  
(Certificate No.)

제조업자명 : Rong Feng Electrical (Shenzhen) Co., Ltd.  
(Manufacturer)

대표자명 : Mr.Y.M.Huang  
(President)

제조공장소재지 : Panten 2nd Industrial Zone Bugy Town, Shenzhen City,  
(Factory Address) P.R.China

제품명 : 상호연결커플러 (Appliance inlet)  
(Product)

기본모델명 : RF-180  
(Basic Model)

정격 : AC250V, 2.5A  
(Rating)

파생모델명 : See the attachment 2  
(Series Model)

적용기준 : K60320-1  
(Standard)

「전기용품안전 관리법 시행령」 제4조제3항의 규정에 의하여 위의 전기용품에 대하여 안전인증서를 교부합니다.

We Issue Electrical Appliances Safety Certification as above product by Article 4 Section 3 of the Electrical Appliances Safety Control Law Operation Rule.

2006년 01월 24일  
year month day



산업기술시험원  
KOREA TESTING LABORATORY



- 첨부 : 1. 안전관리부품 및 재질목록 (List of Critical Components)  
(Annex) 2. 기본모델·파생모델의 내용 (General Descriptions of Certified Products)  
3. 전기용품안전인증의 변경 현황 (Status of Certificate Revisions)



**Underwriters  
Laboratories Inc.®**

**Northbrook Division**  
333 Pfingsten Road  
Northbrook, IL 60062-2096 USA  
www.ul.com  
tel: 1 847 272 8800  
fax: 1 847 272 8129  
Customer service: 1 877 854 3577

RONG FENG INDUSTRIAL CO LTD  
MR D WOO  
180 CHENG KUNG 3RD RD  
NAN TOU TAIWAN

**RE: Project Number(s) - 03CA30015**

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database). Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

**AXUT2**  
**Attachment Plugs, Fuseless - Component**

October 27, 2003

**RONG FENG INDUSTRIAL CO LTD**  
**180 CHENG KUNG 3RD RD, NAN TOU TAIWAN**

**E102641**

**Appliance Inlets**, Model Nos. RF-180-W3, RF-180-W3A, RF-180-W3B.  
**Motor attachment caps**, Models RF-180, RF-180-W, SS-7B, SS-7B-1, SS-7B-1A, SS-7B-PCB, SS-7BA, SS-120, SS-120-1.0, SS-120A, SS-120-PCB, SS-120-C-PCB, SS-120-Y-X, SS-7B-E, SS-7B-N.  
**Inlet**, Model RF-190.  
**Inlets**, Models SS-3A, SS-3B.  
**Inlet**, Models SS-6E, SS-7E.  
**Inlet**, Model 701W-G.  
Marking: Company name or tradename "RONNEX" and model 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.





CSA INTERNATIONAL

# Certificate of Compliance

Certificate: 1440801

Master Contract: 175964 (LR 65612)

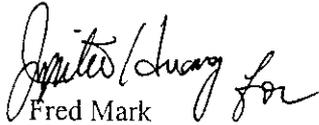
Project: 1440801

Date Issued: July 28, 2003

Issued to: Rong Feng Industrial Co., Ltd.  
No 180, Cheng Kung 3 Rd.,  
Nan Tou City, Taiwan

*The products listed below are eligible to bear the CSA Mark shown*



Authorized by:   
Fred Mark  
Director, Far East Operation

## PRODUCTS

CLASS 6233 01 - RECEPTACLES - Attachment Plug Type and Plugs

Special use connectors, male inlet Cat No RF-180, rated 5 A, 125/250 V ac.

1. These connectors are supplied only to manufacturers as components for the assembly of Certified electrical equipment.
2. Subject to investigation in the end use.

## APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 182.3-M1987 - Special Use Attachment Plugs, Receptacles and Connectors

## ZEICHENGENEHMIGUNG MARKS LICENCE

Rong Feng Industrial Co., Ltd.  
No.180, Cheng Kung 3rd Road  
540 NAN TOU CITY  
TAIWAN

ist berechtigt, für ihr Produkt /  
*is authorized to use for their product*

**Gerätestecker**  
**Appliance inlet**  
RF-180-Serie

die hier abgebildeten markenrechtlich geschützten Zeichen  
für die ab Blatt 2 aufgeführten Typen zu benutzen /  
*the legally protected Marks as shown below for the types referred to on page 2 ff.*



Geprüft und zertifiziert nach /  
*Tested and certified according to*

DIN EN 60320-1 (VDE 0625 Teil 1):2002-06; EN 60320-1:2001

VDE Prüf- und Zertifizierungsinstitut  
VDE Testing and Certification Institute  
Zertifizierungsstelle  
Certification

Aktenzeichen: 1476300-1550-0005 / 33594

File ref.:

Ausweis-Nr. 40002788

Blatt 1

Licence No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /  
*further conditions see overleaf and following pages*

Offenbach, 2002-08-15

(letzte Änderung/updated 2003-11-07 )



# CERTIFICATE

No. P03201371

Order No. 15679

Applicant Rong Feng Industrial Co. Ltd.  
No. 180, Cheng Kung 3rd Road  
540 Nan Tou City  
TAIWAN

Manufacturer Rong Feng Industrial Co. Ltd.  
No. 180, Cheng Kung 3rd Road  
540 Nan Tou City  
TAIWAN

Factory sites See page 2

Group 03 660C0 Appliance inlets for Class II equipment. Standard Sheet C8.

Model/type RF-180-series

Data 2,5A 250V AC

Trade mark RONG FENG

Other specification Thermoplastic, for flange, snap-in or insert mounting, with solder, PCB terminals or wiring harness.

The above product is certified according to the following standard(s) Safety std.: EN 60320-1:2001

Validity This certificate documents conformity with the standards shown, and also applies as license for use of Nemko's name and certification mark. The certificate and license is valid as long as the applicable conditions are complied with, and provided that any changes to the product are notified to Nemko for acceptance prior to implementation.  
New standards or amendments to the standards may imply that the product design must be updated and/or that re-testing and re-certification is necessary.

Variants This Certificate also covers variants with Position No. from 001 to 002  
See next page(s)

Additional Information: This Certificate replaces our Nemko-Certificate P98100826, order no. 199817233, dated 1998-08-31.

Date of issue 18 December 2003

signature

Ragnar Køltzow

Certification Department

Nemko AS  
P.O. Box 73, Blindern  
N-0314 Oslo, Norway

Office address  
Gaustadalléen 30  
Oslo

Telephone  
+47 22 96 03 30  
Enterprise number:

Fax  
+47 22 96 05 50  
NO 974404532



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2003010204032895

## NAME AND ADDRESS OF THE APPLICANT

RONG FENG ELECTRICAL(SHENZHEN)CO.,LTD  
Panten 2nd Industrial Zone BUGY Town, Shenzhen City,Guangdong China

TRADE MARK: RONG FENG

## NAME AND ADDRESS OF THE MANUFACTURER

RONG FENG ELECTRICAL(SHENZHEN)CO.,LTD  
Panten 2nd Industrial Zone BUGY Town, Shenzhen City,Guangdong China

## NAME AND ADDRESS OF THE FACTORY

RONG FENG ELECTRICAL(SHENZHEN)CO.,LTD  
Panten 2nd Industrial Zone BUGY Town, Shenzhen City,Guangdong China

## NAME, MODEL AND SPECIFICATION

2.5A APPLIANCE INLET FOR CLASS II EQUIPMENT FOR COLD  
CONDITIONS  
RF-190 , RF-180 2.5A 250V~

## THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB17465.1-1998

THIS IS TO CERTIFY THAT THE ABOVE MENTIONED PRODUCTS HAVE  
QUALIFIED FOR THE REQUIREMENTS OF IMPLEMENTATION RULES FOR  
COMPULSORY CERTIFICATION

ISSUED DATE: Mar. 7, 2003

THE VALIDITY OF THE CERTIFICATE DEPEND ON THE FOLLOW UP INSPECTION  
BY THE CERTIFICATION BODY AT REGULAR INTERVALS



President:

李怀林

Li Huailin



No.15 Fangcaodi West Street,Chaoyang District • Beijing • China 100020 <http://www.cqc.com.cn>

V 0035882

APPLICANT: RONG FENG ELECTRICAL (SHEN ZHEN) CO LTD  
BAN TIAN 2ND INDUSTRIAL ZONE  
BU JI TOWN, SHENZHEN CITY  
CHINA  
518129

DATE: Jun 17, 2005

ATTN: DENG XIAO YING

*THIS IS TO SUPERSEDE  
REPORT NO. 252880 DATED  
Mar 01, 2005*

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE BLACK PLASTIC GRANULE (A216BK).

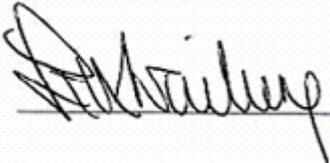
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TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

\*\*\*\*\*

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
SHENZHEN LTD.



BEN N.L. LIN  
GENERAL MANAGER

TESTS CONDUCTED

(A) TEST RESULT SUMMARY :

TESTING ITEM	RESULT (IN ppm)
CADMIUM (Cd) CONTENT	ND (<2)
LEAD (Pb) CONTENT	ND (<2)
MERCURY (Hg) CONTENT	ND (<2)
CHROMIUM (VI) (Cr <sup>6+</sup> ) CONTENT	ND (<1)
POLYBROMINATED BIPHENYLS (PBB) IN ppm	
MONOBROMOBIPHENYL (MonoBB)	ND
DIBROMOBIPHENYL (DiBB)	ND
TRIBROMOBIPHENYL (TriBB)	ND
TETRABROMOBIPHENYL (TetraBB)	ND
PENTABROMOBIPHENYL (PentaBB)	ND
HEXABROMOBIPHENYL (HexaBB)	ND
HEPTABROMOBIPHENYL (HeptaBB)	ND
OCTABROMOBIPHENYL (OctaBB)	ND
NONABROMOBIPHENYL (NonaBB)	ND
DECABROMOBIPHENYL (DecaBB)	ND
POLYBROMINATED DIPHENYL ETHERS (PBDE) IN ppm	
MONOBROMODIPHENYL ETHER (MonoBDE)	ND
DIBROMODIPHENYL ETHER (DiBDE)	ND
TRIBROMODIPHENYL ETHER (TriBDE)	ND
TETRABROMODIPHENYL ETHER (TetraBDE)	ND
PENTABROMODIPHENYL ETHER (PentaBDE)	ND
HEXABROMODIPHENYL ETHER (HexaBDE)	ND
HEPTABROMODIPHENYL ETHER (HeptaBDE)	ND
OCTABROMODIPHENYL ETHER (OctaBDE)	ND
NONABROMODIPHENYL ETHER (NonaBDE)	ND
DECABROMODIPHENYL ETHER (DecaBDE)	ND

CHEMIST : ZHANG YI

ppm = PARTS PER MILLION = mg/kg

< = LESS THAN

ND = NOT DETECTED

DATE SAMPLE RECEIVED : FEB 22, 2005 & JUN 16, 2005

TESTING PERIOD : FEB 22, 2005 TO FEB 25, 2005 & JUN 16, 2005 TO JUN 17, 2005

\*\*\*\*\*

TESTS CONDUCTED

(B) TEST METHOD :

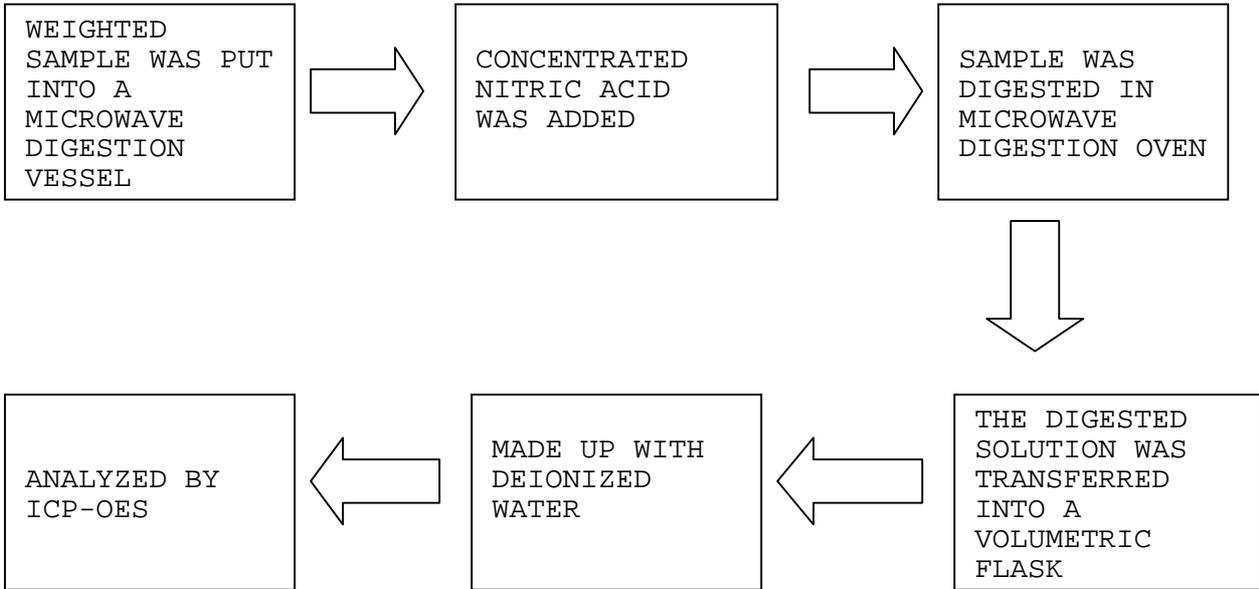
TESTING ITEM	PRETREATMENT METHOD	MEASUREMENT METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	EN 1122 OR WITH REFERENCE TO USEPA 3052, BY MICROWAVE DIGESTION UNTIL THE TESTED SAMPLE WAS TOTALLY DISSOLVED	WITH REFERENCE TO EN ISO 11885, BY ICP-OES ANALYSIS	2 ppm
LEAD (Pb) CONTENT	WITH REFERENCE TO USEPA 3052, BY MICROWAVE DIGESTION UNTIL THE TESTED SAMPLE WAS TOTALLY DISSOLVED	WITH REFERENCE TO EN ISO 11885, BY ICP-OES ANALYSIS	2 ppm
MERCURY (Hg) CONTENT	WITH REFERENCE TO USEPA 3052, BY MICROWAVE DIGESTION UNTIL THE TESTED SAMPLE WAS TOTALLY DISSOLVED	WITH REFERENCE TO EN ISO 11885, BY ICP-OES ANALYSIS	2 ppm
CHROMIUM (VI) (Cr <sup>6+</sup> ) CONTENT	WITH REFERENCE TO USEPA 3060A, BY ALKALINE DIGESTION	WITH REFERENCE TO USEPA 7196A, BY UV-VIS SPECTROPHOTOMETRIC ANALYSIS	1 ppm
POLYBROMINATED BIPHENYL (PBB)	WITH REFERENCE TO USEPA 3540C, BY SOLVENT EXTRACTION	BY GC-MS/HPLC ANALYSIS	5 ppm
POLYBROMINATED DIPHENYL ETHER (PBDE)	WITH REFERENCE TO USEPA 3540C, BY SOLVENT EXTRACTION	BY GC-MS/HPLC ANALYSIS	5 ppm

\*\*\*\*\*

TESTS CONDUCTED

(C) MEASUREMENT FLOWCHART :

TEST FOR Cd/Pb CONTENT



\*\*\*\*\*

END OF REPORT

To: RONG FENG ELECTRICAL  
(SHEN ZHEN) CO LTD

Ref: FC-040(0258)

Attention: DENG XIAO YING

Date: Jun 17, 2005

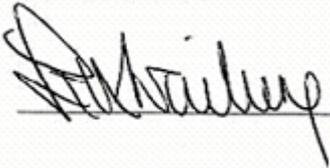
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Re : Report Revision Notification

Intertek Testing Services Report Number 252880 Dated Mar 01, 2005  
Please be informed that all the content recorded in the above captioned  
report will be void. This captioned report is now supersede by a revised  
Intertek Testing Services Report SZHJ000433S1.

Thank you for your attention.

AUTHORIZED BY:  
FOR INTERTEK TESTING SERVICES  
SHENZHEN LTD.



BEN N.L. LIN  
GENERAL MANAGER