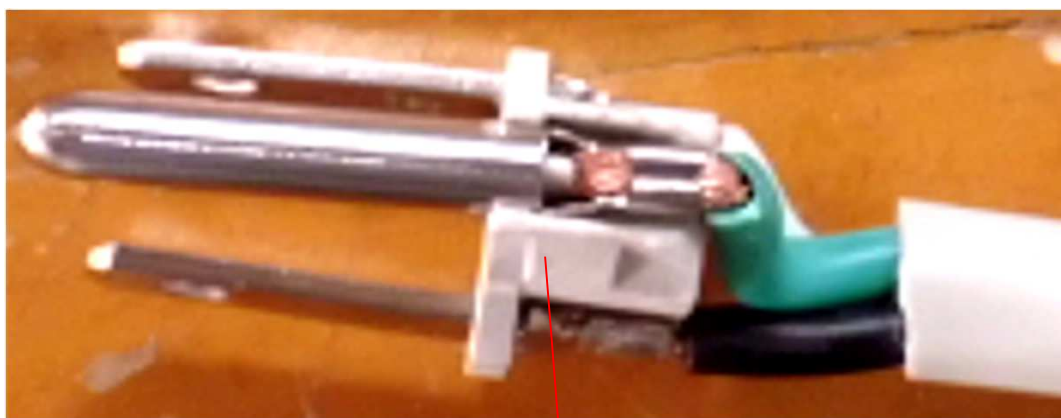


1.0 Reference and Address			
Report Number	SH10060972-001	Original Issued: 6-Jul-2010	Revised: 19-Nov-2018
Standard(s)	Cord Sets And Power-Supply Cords [UL 817:2015 Ed.12+R:05May2017] Cord Sets And Power-Supply Cords [CSA C22.2#21:2014 Ed.9+A1]		
Applicant	HANGZHOU KAITE ELECTRICAL APPLIANCE CO.,LTD.	Manufacturer 1	<b>HANGZHOU KAITE ELECTRICAL APPLIANCE CO.,LTD.</b>
Address	SANDU INDUSTRIAL ZONE, JIANDE CITY, ZHEJIANG PROVINCE 311605	Address	SANDU INDUSTRIAL ZONE, JIANDE CITY, ZHEJIANG PROVINCE 311605
Country	China	Country	China
Contact	Mr BaoFengFang	Contact	Mr BaoFengFang
Phone	0571-58317207	Phone	0571-58317207
FAX	-	FAX	-
Email	gma@powerkaite.com	Email	gma@powerkaite.com
Manufacturer 2	<b>Zhejiang Camet Electrical Appliance Co.,Ltd.</b>	Manufacturer 3	<b>Kingtec (vietnam) technologies Co.,Ltd.</b>
Address	Kaihua Industrial Zone, Kaihua, Quzhou 324300	Address	HAISHAN INDUSTRIAL ZONE, PINGQIAN VILLAGE,HEXIA,DEHE COUNTY, Long An Province
Country	China	Country	Vietnam
Contact	Mr BaoFengFang	Contact	Mr BaoFengFang
Phone	0571-58317207	Phone	0571-58317207
FAX	-	FAX	-
Email	gma@powerkaite.com	Email	gma@powerkaite.com

2.0 Product Description	
Product	Power Supply Cord and cord set
Brand name	KAITE,KMC
Description	The products covered by this report are cord set and power supply cord, rated 125Vac, with cord SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW cord. These units are for indoor use only and cord connected to the power supply. For cord sets, they all with 5-15P/5-15R configuration, for power supply cord, it with 5-15P configuration, all plug and receptacle part should meet the dimension requirement of illustration no 14 which for NEMA 5-15P plug standard sheet and illustration no 15 which for NEMA 5-15R receptacle standard sheet, see below for details.
Models	KT-A,130101, 1302
Model Similarity	<p>KT-A power supply cord, with 5-15P configuration with cord SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW) 16-14AWGX3C</p> <p>130101 cord set, with 5-15P/5-15R configuration with cord SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW) 16AWGX3C with total three way receptacles (all receptacle on one face) with temporary mounting means</p> <p>1302 cord set, with 5-15P/5-15R configuration with cord SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C with total three way receptacles (one receptacle on one face, another two receptacles on another face)</p>
Ratings	<p>KT-A (with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C)                      125Vac 13A 60Hz</p> <p>KT-A (with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 14AWGX3C)                      125Vac 15A 60Hz</p> <p>130101 (with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C in length lower than 50ft/15.2m) 125Vac 13A 60Hz</p> <p>130101 (with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C in length more than 50ft/15.2m and lower than 100ft/30.4m) 125Vac 10A 60Hz</p> <p>1302 (with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C in length lower than 50ft/15.2m) 125Vac 13A 60Hz</p> <p>1302 (with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C in length more than 50ft/15.2m and lower than 100ft/30.4m) 125Vac 10A 60Hz</p>
Other Ratings	NA

**3.0 Product Photographs**

**Photo 1 - Overall view of KT-A (with plug insert construction 1)**



**3.0 Product Photographs**

**Photo 2 - Overall view of KT-A (with plug insert construction 2, with same material as plug insert construction)**



**3.0 Product Photographs**

**Photo 3 - Overall view of KT-A (with plug insert construction 2, with same material as plug insert construction)**



**3.0 Product Photographs**

**Photo 4 - Overall view of 130101**



**3.0 Product Photographs**

**Photo 5 - Inside view of 130101**



**3.0 Product Photographs**

**Photo 6 - Overall view of 1302**



12

13

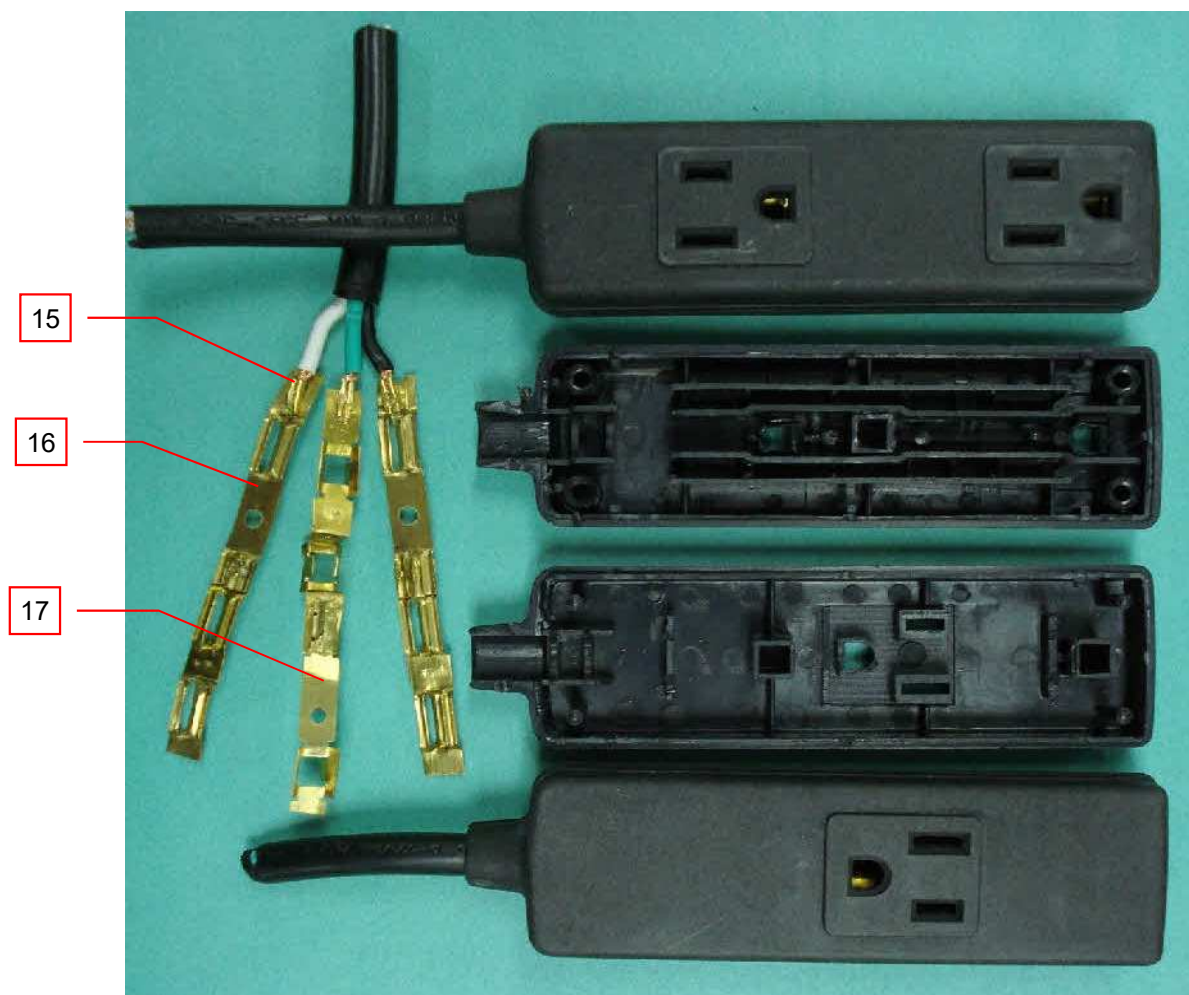


14



**3.0 Product Photographs**

**Photo 7 - Inside view of 1302**



4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
1	1	Enclosure	WOFOO (NINGBO) PLASTICS INDUSTRIAL CO LTD	CS-#*-X	PVC, minimum thickness 1,5mm, flame class V-0, HWI 0, HAI 0, CTI 0, RTI 50 °C, see illustration no 4 for detail overall dimension drawing.	cURus
1	2	Cord	Various	SJT SJTO SJTOO SJTW SJTOW SJTOOW	16-14AWGX3C, minimum 60 °C	ETL,UL
1	3	Grounding pin	Various	Copper alloy	Tubular configuration, copper alloy, connecting by crimping methods, crimp length of 4.0 mm.	NR
1	4	Plug blade	CIXI YUELONG HARDWARE PLASTIC CO LTD	XY-B-005	Solid pin, brass material, suitable for use with the conductor types and sizes, insulation class and curing method as specified in the installation instructions provided with the blade. Blade is secured to conductors by crimping method, crimp height be 1.85mm for 16AWG cord, and crimp height be 2.05mm for 14AWG cord.	cURus
1	5	Inner body	JUNER NEW MATERIALS CO LTD	PA66-301-GM	PA66 material, minimum thickness 1.5mm, flame class V-0, HWI 3, HAI 0, CTI 2, RTI 65 °C, see illustration no 5 for detail dimension information.	cURus
2	6	Plug with cord	Various	Various	5-15P configuration, with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C cord, minimum 60 °C	ETL,UL
2	7	Cord	Various	SJT SJTO SJTOO SJTOW SJTOOW	16AWGX3C, minimum 60 °C	ETL,UL
2	8	Enclosure and live part carrier	Chi Mei Corporation	PA-765(+)	ABS, minimum thickness 1,5mm, flame class V-0,5VA, HWI 2, HAI 0, CTI 1, RTI 80 °C, recess of contact of 6.6 mm. Consists of two Parts, assembled by four screws, see illustration no 7 for detail overall dimension sheet.	cURus

4.0 Critical Components						
Photo #	Item no. <sup>1</sup>	Name	Manufacturer/ trademark <sup>2</sup>	Type / model <sup>2</sup>	Technical data and securement means	Mark(s) of conformity <sup>3</sup>
3	9	Crimping terminal	Various	Copper alloy	Copper alloy, three provided, crimp to conductor, crimp length of 7.1 mm, see illustration no 8 for detail overall dimension sheet.	NR
3	10	Line and Neutral Contact	Various	Copper alloy	Copper alloy, two provided, weld to crimping terminal, see illustration no 9 for detail overall dimension sheet.	NR
3	11	Grounding Contact	Various	Copper alloy	Copper alloy, one provided, weld to crimping terminal, see illustration no 10 for detail overall dimension sheet.	NR
4	12	Plug with cord	Various	Various	5-15P configuration, with SJT or SJTO, SJTOO, SJTW, SJTOW, SJTOOW 16AWGX3C cord, minimum 60 °C	ETL,UL
4	13	Cord	Various	SJT SJTO SJTOO SJTW SJTOW SJTOOW	16AWGX3C, minimum 60 °C	ETL,UL
4	14	Enclosure and live part carrier	Chi Mei Corporation	PA-765(+)	ABS, minimum thickness 1,5mm, flame class V-0,5VA, HWI 2, HAI 0, CTI 1, RTI 80 °C, recess of contact of 6.6 mm. Consists of two Parts, assembled by four screws, see illustration no 11 for detail dimension sheet.	cURus
5	15	Crimping terminal	Various	Copper alloy	Same as item 9	NR
5	16	Line and Neutral Contact	Various	Copper alloy	Copper alloy, two provided, weld to crimping terminal, see illustration no 12 for detail dimension sheet.	NR
5	17	Grounding Contact	Various	Copper alloy	Copper alloy, one provided, weld to crimping terminal, see illustration no 13 for detail dimension sheet.	NR

NOTES:

- 1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.
- 2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.
- 3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

## **5.0 Critical Unlisted CEC Components**

No Unlisted CEC components are used in this report.

**6.0 Critical Features**

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.


Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, 1.6 mm minimum spacing are maintained through air and over surfaces of insulating material between any uninsulated live part and an uninsulated live part of opposite polarity, uninsulated grounded part other than the enclosure or exposed metal part and 6.4mm minimum between any uninsulated live part and the walls of a metal enclosure.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord
6. Polarized Connection - This product is provided with a polarized power supply connection. All single pole switches and fuses are connected only to the ungrounded supply circuit conductor.
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in crimp connections. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets.
8. Schematics -N/A (No schematics)
9. Markings - See illustration no 1 and 2 for detail.
10. Cautionary Markings - See illustration no 2 for detail.
11. Marking Tag - See illustration no 3 for detail.
12. Installation, Operating and Safety Instructions - No instructions for installation and use of this product are provided by the manufacturer.

## 7.0 Illustrations

### Illustration 1 - Marking (for power supply cord)

<p>Model:KT-A 15A 125Vac 60Hz SJT 14AWGX3C KAITE Date Code: 20YY/MM/DD Made In China</p>	 <p>3121738 CONFORMS TO UL STD.817 CERTIFIED TO CSA STD.C22.2#21</p>
--	--

**Note:**

- 1 Above marking for basic listee type KT-A which with manufacturer 1 "HANGZHOU KAITE ELECTRICAL APPLIANCE CO.,LTD.";
- 2 There can be with alterative trade mark "KMC";
- 3 There can be with alternative control no 5003846 for manufacturer 2 "Zhejiang Camet Electrical Appliance Co.,Ltd.", it with same marking as above except different control no;
- 4 There can be with alternative control no 5013210 for manufacturer 3 "Kingtec (vietnam) technologies Co.,ltd", it with same marking information as above, except with coutry original information change to be "Made In Vietnma" and different control no;
- 5 Cord information with be marked on outer jacket of the cord.
- 6 For KT-A, there be with many version for the marking according to differenct cord type and cord conductor area, and different elecrical rate, see product description for detail information, all other is the same as above;
- 7 For date Code: 20YY/MM/DD, it only as an example for reference, there can be with other date code identify means for final mass product.

**7.0 Illustrations**

**Illustration 2 : Marking (for cord set)**

<p>Model:130101 13A 125V 1625W 60Hz SJT 16AWGX3C KAITE Date Code 20YY/MM/DD Made In China</p>	 <p>3121738 CONFORMS TO UL STD.817 CERTIFIED TO CSA STD.C22.2#21</p>
---	--

Note:

1. Cord information will be marked on outer jacket of the cord.
2. For type 130101, there will be many versions for the marking according to different cord type and cord conductor area, and different electrical rate, see product description for detail information, all other is the same as above
3. For type 1302, all marking is the same as above, only different type designation, and there will be many versions for the marking according to different cord type and cord conductor area, and different electrical rate, see product description for detail information, see section 2 for details.
- 4 There can be with alternative trade mark "KMC";
- 5 There can be with alternative control no 5003846 for manufacturer 2 "Zhejiang Camet Electrical Appliance Co.,Ltd.", it with same marking as above except different control no;
- 6 There can be with alternative control no 5013210 for manufacturer 3 "Kingtec (vietnam) technologies Co.,Ltd", it with same marking information as above, except with country original information change to be "Made In Vietnam" and different control no;
- 7 For date Code: 20YY/MM/DD, it only as an example for reference, there can be with other date code identify means for final mass product.

## 7.0 Illustrations

### Illustration 3 : Caution (for cord extension set)

CAUTION AVOID HAZARD:  
KEEP CHILDREN AWAY  
UNPLUG WHEN NOT IN USE  
DO NOT PLUG MORE THAN A TOTAL OF 1625 WATTS IN THIS CORD SET  
RATED 125-VOLTS  
FOR INDOOR USE ONLY  
ATTENTION:  
ÉLOIGNEZ LES ENFANTS  
DEBRANCHER LORSQUE, NON EN SERVICE  
NE PAS BRANCHER PLUS D'UN TOTAL DE 1625 WATTS DANS CETTE CORD SET RATED 125-VOLTS  
POUR USAGE À L'INTÉRIEUR SEULEMENT

CAUTION:  
FOR DRY INDOOR USE ONLY AT TEMPERATURE ABOVE 0°C  
FULLY EXTEND BEFORE USING  
ATTENTION:  
POUR USAGE À L'INTÉRIEUR SEULEMENT, DANS DES EMPLACEMENTS SECS ET À DES  
TEMPÉRATURES SUPÉRIEURES À 0°C  
ÉTENDRE COMPLÈTEMENT LE CORDON

Note:

1. Cord information be marked on the outer jacket of cord
2. Above marking for type 130101 as an example for reference, when cord length be lower than 50ft/15.2m, the



**7.0 Illustrations**

**Illustration 4 : Marking tag (for cord extension set)**



**DANGER: ELECTRICAL  
CORDS CAN BE  
HAZARDOUS**

Misuse Can Result In FIRE or DEATH  
by ELECTRICAL SHOCK  
Please Read BOTH SIDES Carefully and  
Follow All Directions.

**BEFORE USE**

- A Cord Set Not Marked For Outdoor Use Is To Be Used Indoors Only. See Label For Outdoor Marking.
- Inspect Thoroughly Before Each Use.  
**DO NOT USE IF DAMAGED.**
- Look For the **NUMBER OF WATTS** On Appliances To Be Plugged Into Cord.
- See **PRODUCT** or **LABEL** Markings for **SPECIFIC WATTAGE.**
- Do Not Plug More Than the **SPECIFIED NUMBER OF WATTS** Into This Cord.
- Do Not Run Through Doorways, Holes in Ceilings, Walls or Floors.
- Make sure Appliance is OFF Before Connecting Cord to Outlet.
- **FULLY INSERT** Plug into Outlet.
- Do Not Remove, Bend or Modify Any Metal Prongs or Pins of Cord.
- Do Not Use Excessive Force to Make Connections.
- Do Not Connect a Three-Prong Plug to a Two-Hole Cord.



**THIS IS A POLARIZED CORD**

SM401E



**DANGER: ELECTRICAL  
CORDS CAN BE  
HAZARDOUS**

Misuse Can Result In FIRE or DEATH  
by ELECTRICAL SHOCK  
Please Read BOTH SIDES Carefully and  
Follow All Directions.

**DURING USE**

- Keep Away From Water.
- **DO NOT USE WHEN WET.**
- Keep Children and Pets Away From Cord.
- Do Not Plug One Extension Cord Into Another
- **AVOID OVERHEATING.** Uncoil Cord and Do Not Cover It With Any Material.
- Do Not Drive, Drag or Place Objects Over Cord.
- Do Not Walk on Cord.



**AFTER USE**

- **GRASP PLUG** to Remove From Outlet
- Always Store Cord **INDOORS.**
- Always Unplug When Not In Use.
- Do Not Unplug By Pulling On Cord.

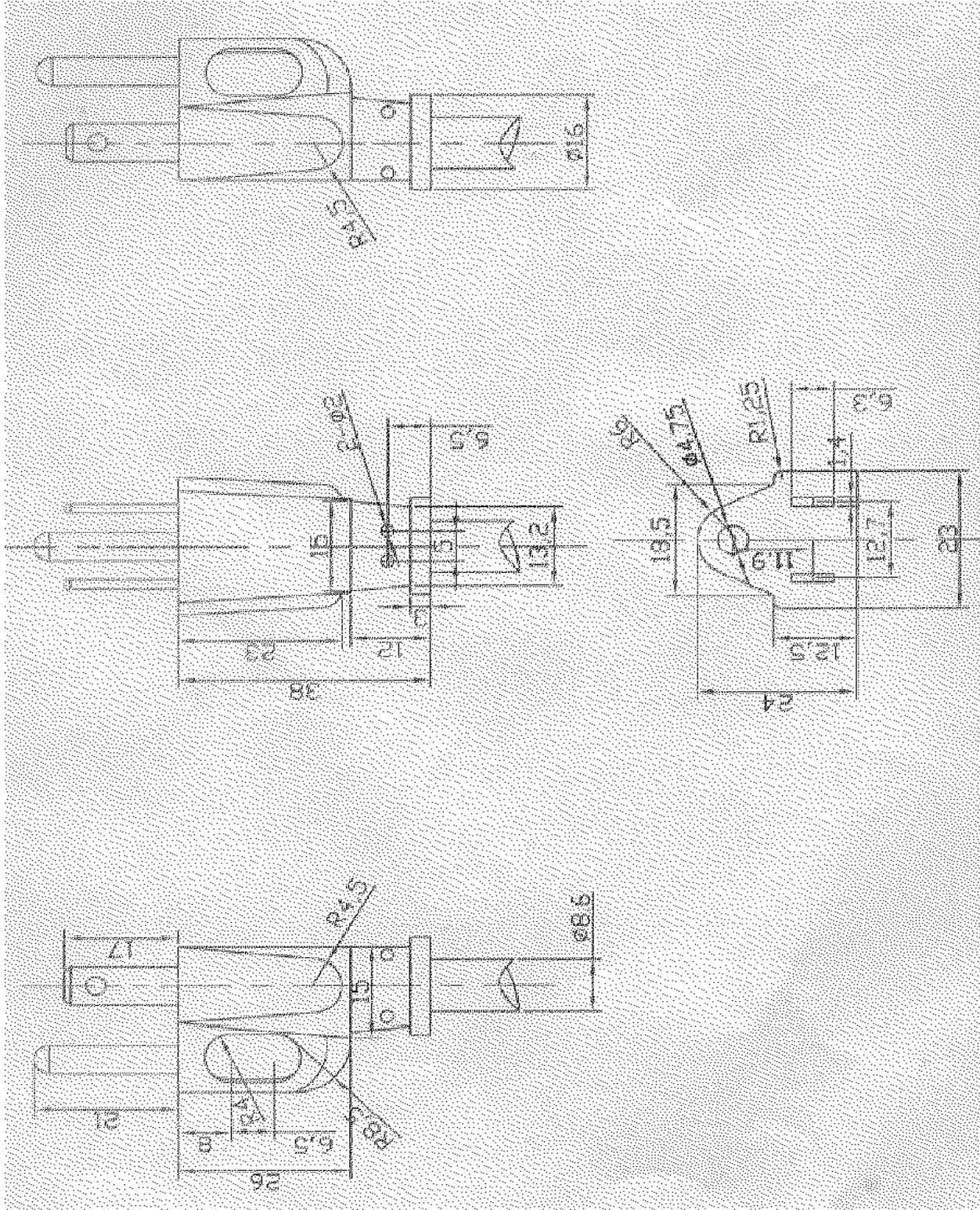


**DO NOT REMOVE THIS TAG**

1. "DANGER ELECTRICAL CORDS CAN BE HAZARDOUS" are a minimum of 9/16inch(3.6mm) high, and the remain words are a minimum of 1/16inch (1.6mm) high.
2. The tag shall be located within 18 inches (46cm) of the point where the cord enters the body of the attachment plug. The marking itself shall be indelible.
3. The lettering and illustrations are black with a solid white background
4. The marking are preceded by a solid red octagon, oriented so as to resemble a "stop" sign, a minimum of 5/16 inch (7.9mm) across.
5. The required illustrations are located within red circle a minimum of 7/16 inch (11.1mm) in diameter across by a red diagonal line
6. All letters shown as capitals, in boldface.

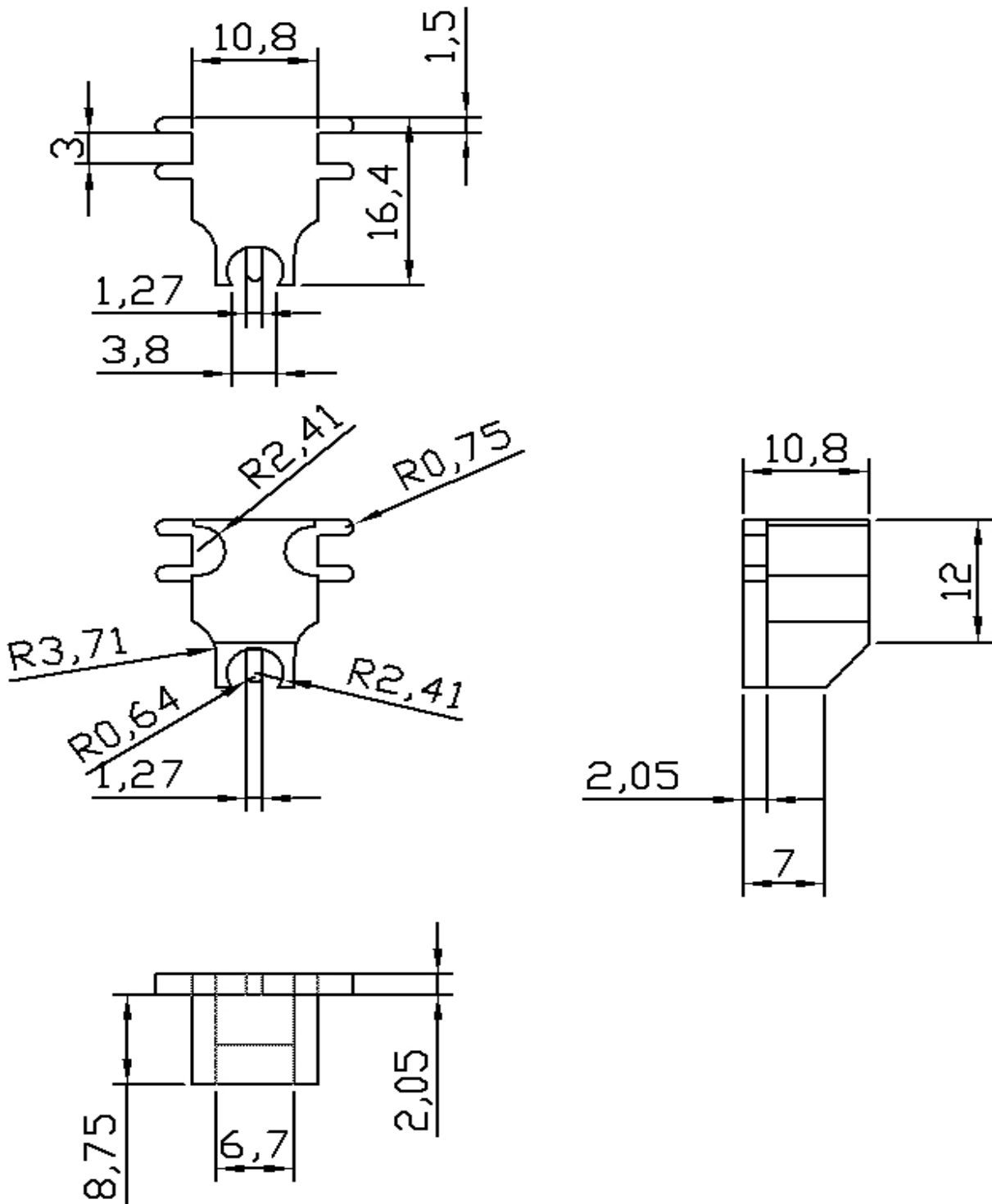
7.0 Illustrations

Illustration 5 : Engineering dimension drawing for overall enclosure dimension for KT-A



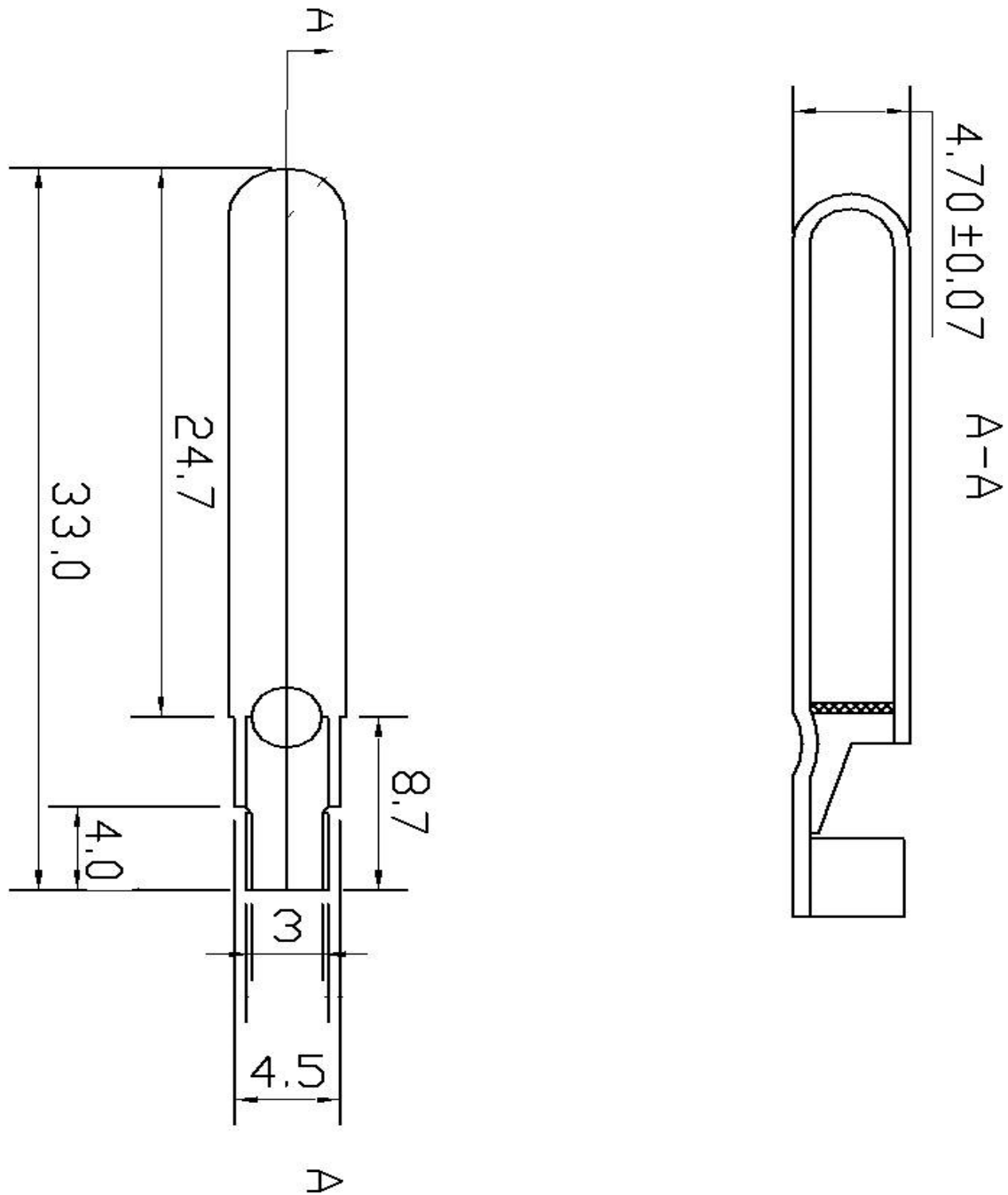
7.0 Illustrations

Illustration 6 : Engineering dimension drawing for inner body of KT-A



7.0 Illustrations

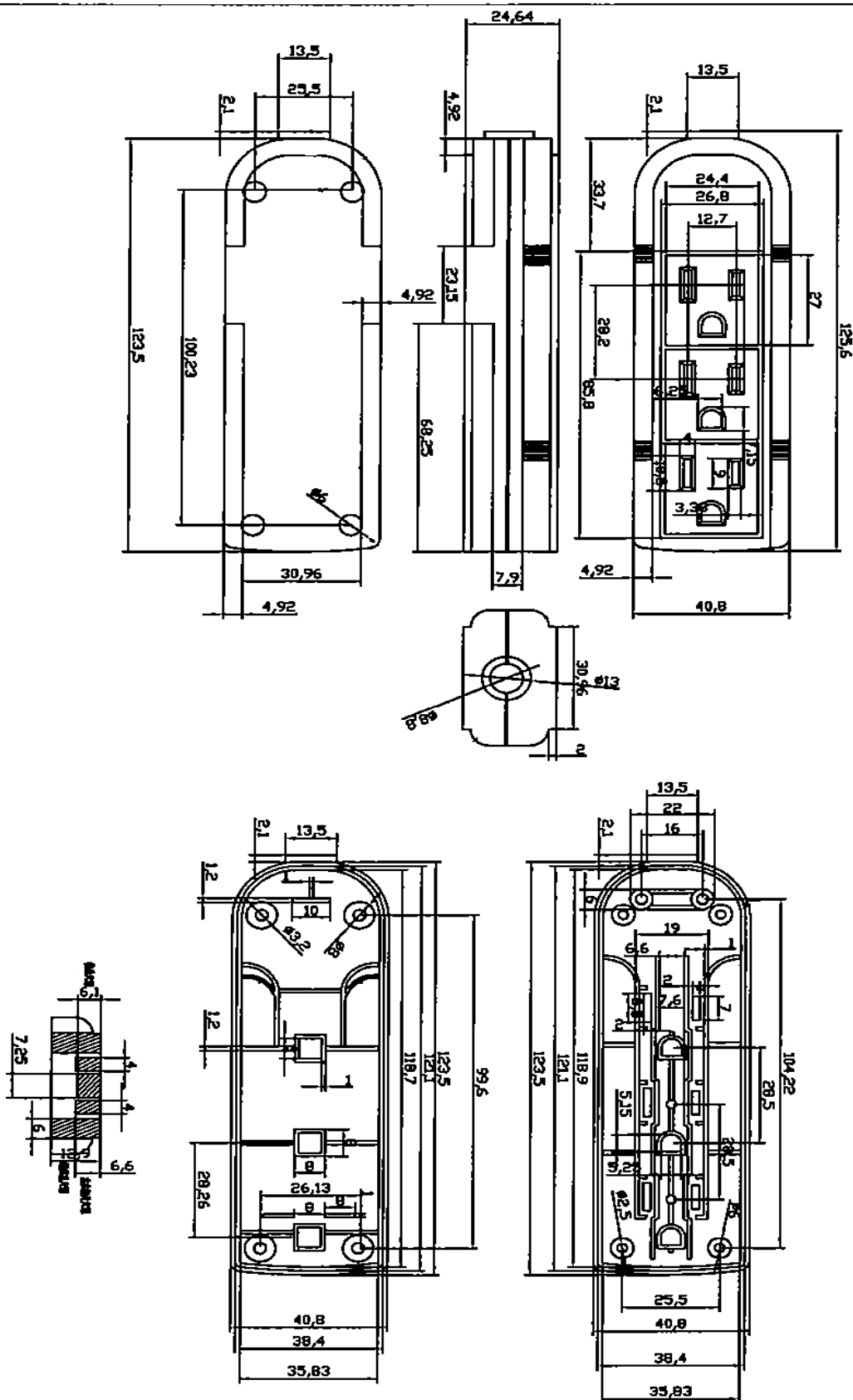
Illustration 7 : Engineering dimension drawing for grounding pin of KT-A



**7.0 Illustrations**

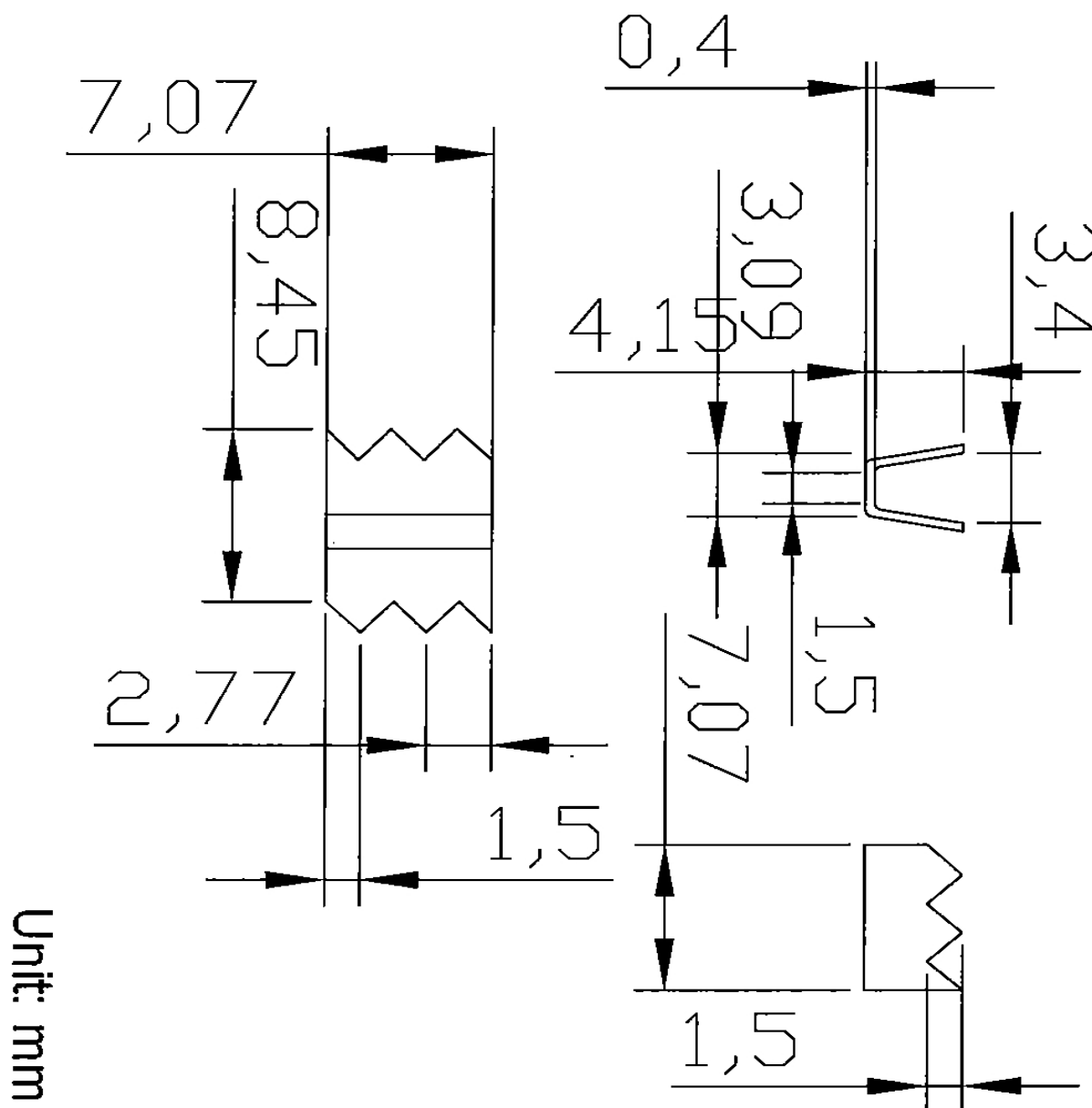
**Illustration 8 : Engineering dimension drawing for overall enclosure dimension for 130101**

Unit: mm



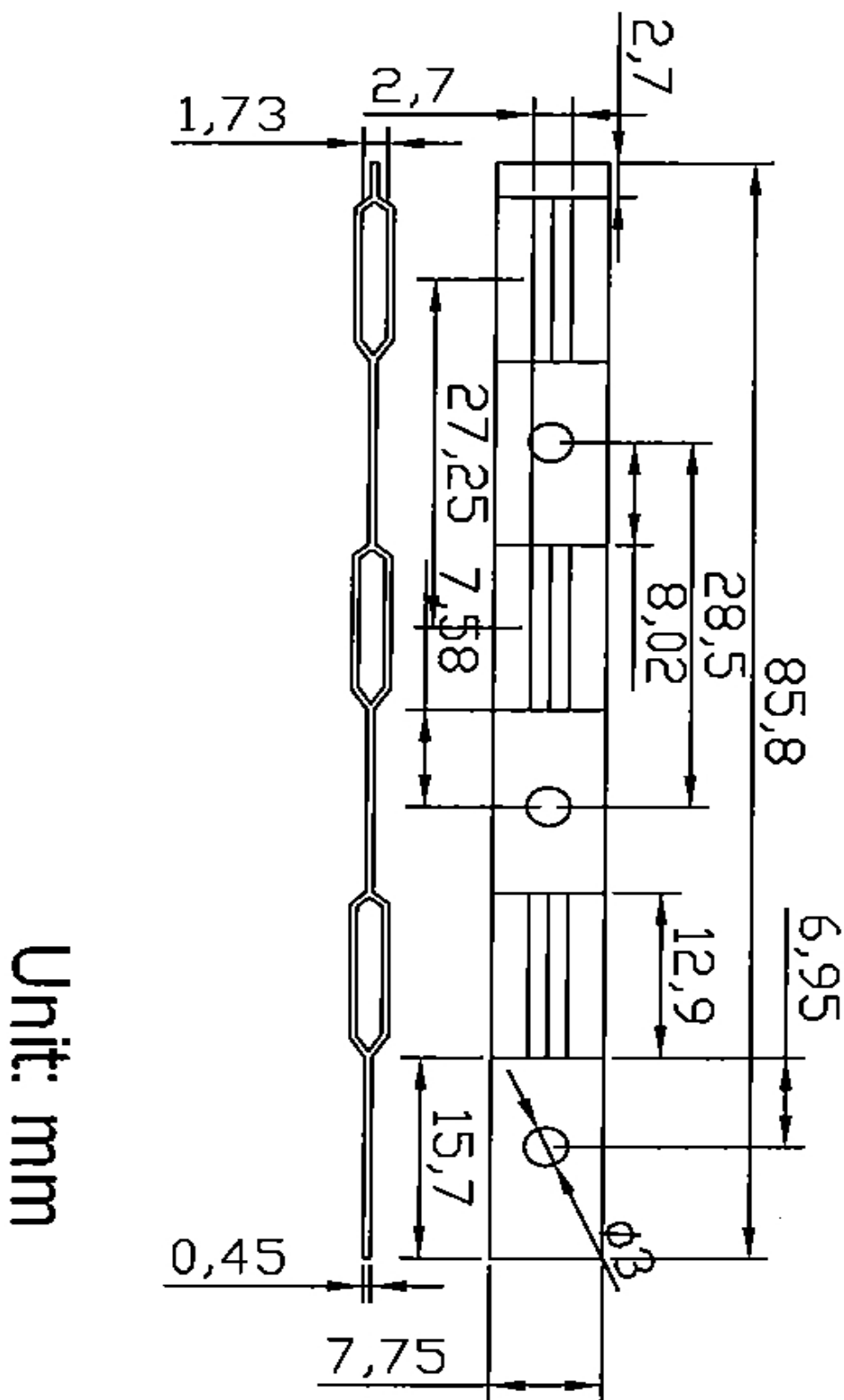
**7.0 Illustrations**

**Illustration 9 : Engineering dimension drawing for crimping terminal for 130101 (also for 1302)**



7.0 Illustrations

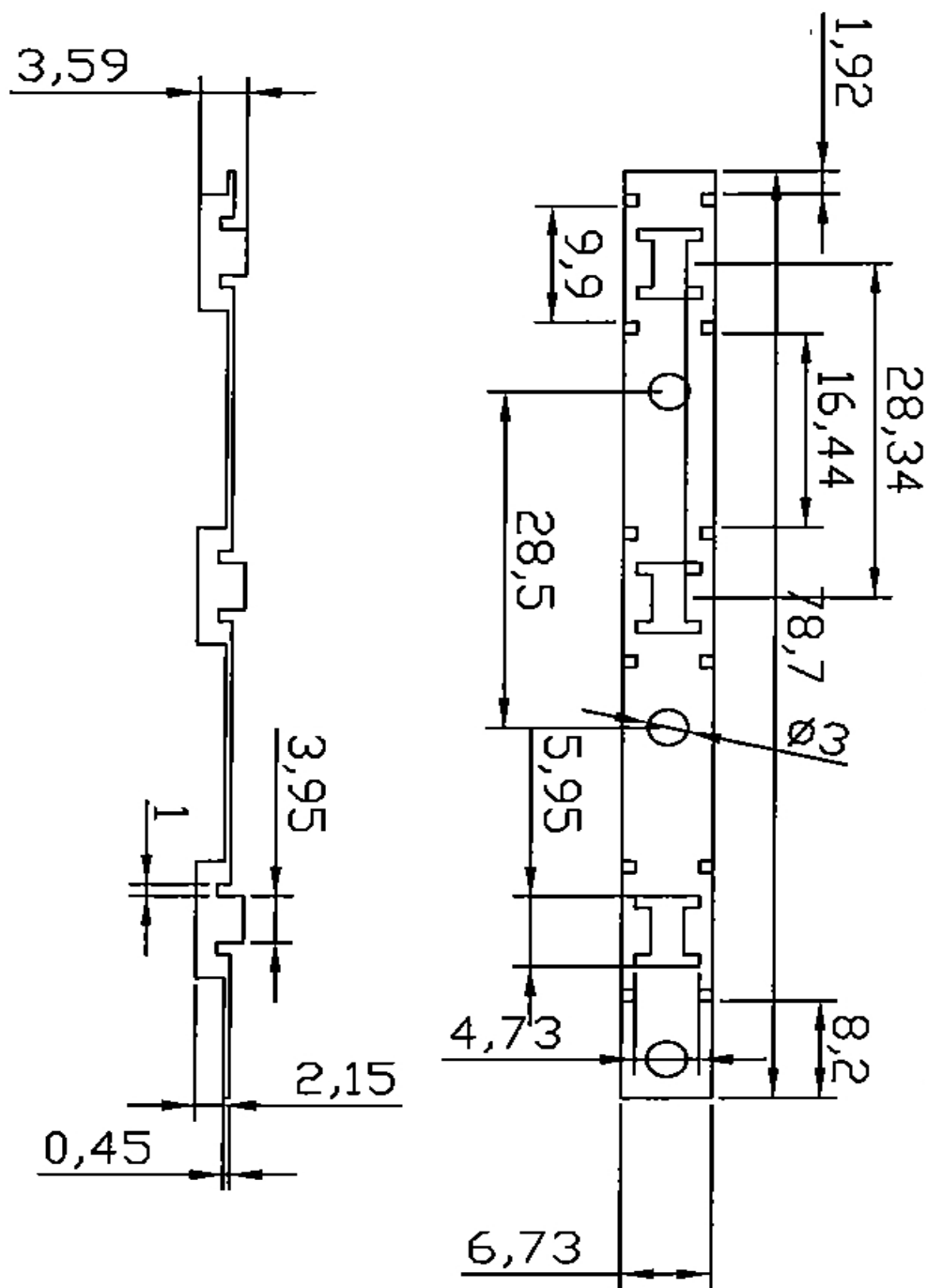
Illustration 10 : Engineering dimension drawing for line/neutral contact for 130101



Unit: mm

7.0 Illustrations

Illustration 11 : Engineering dimension drawing for grounding contact for 130101

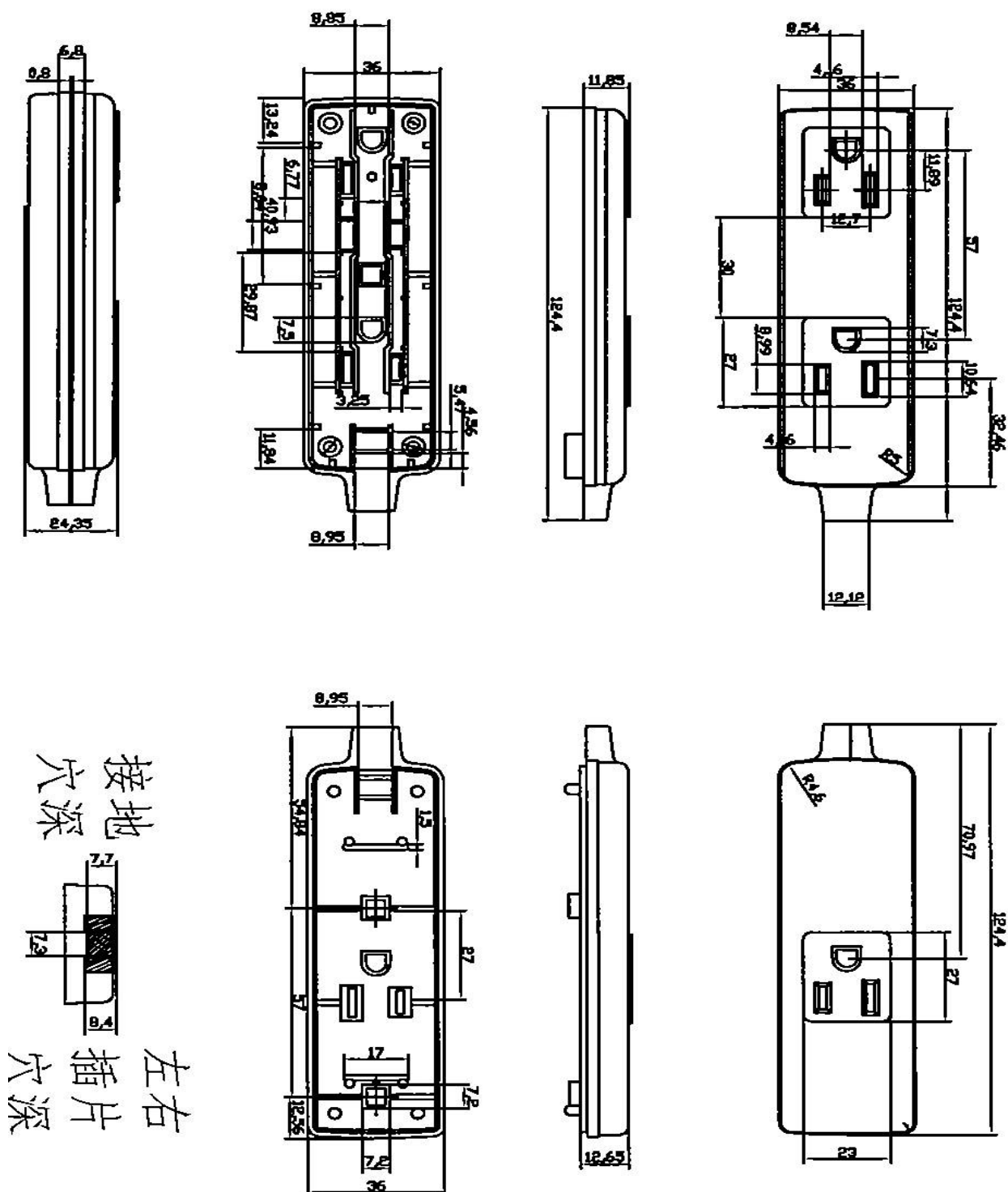


Unit: mm



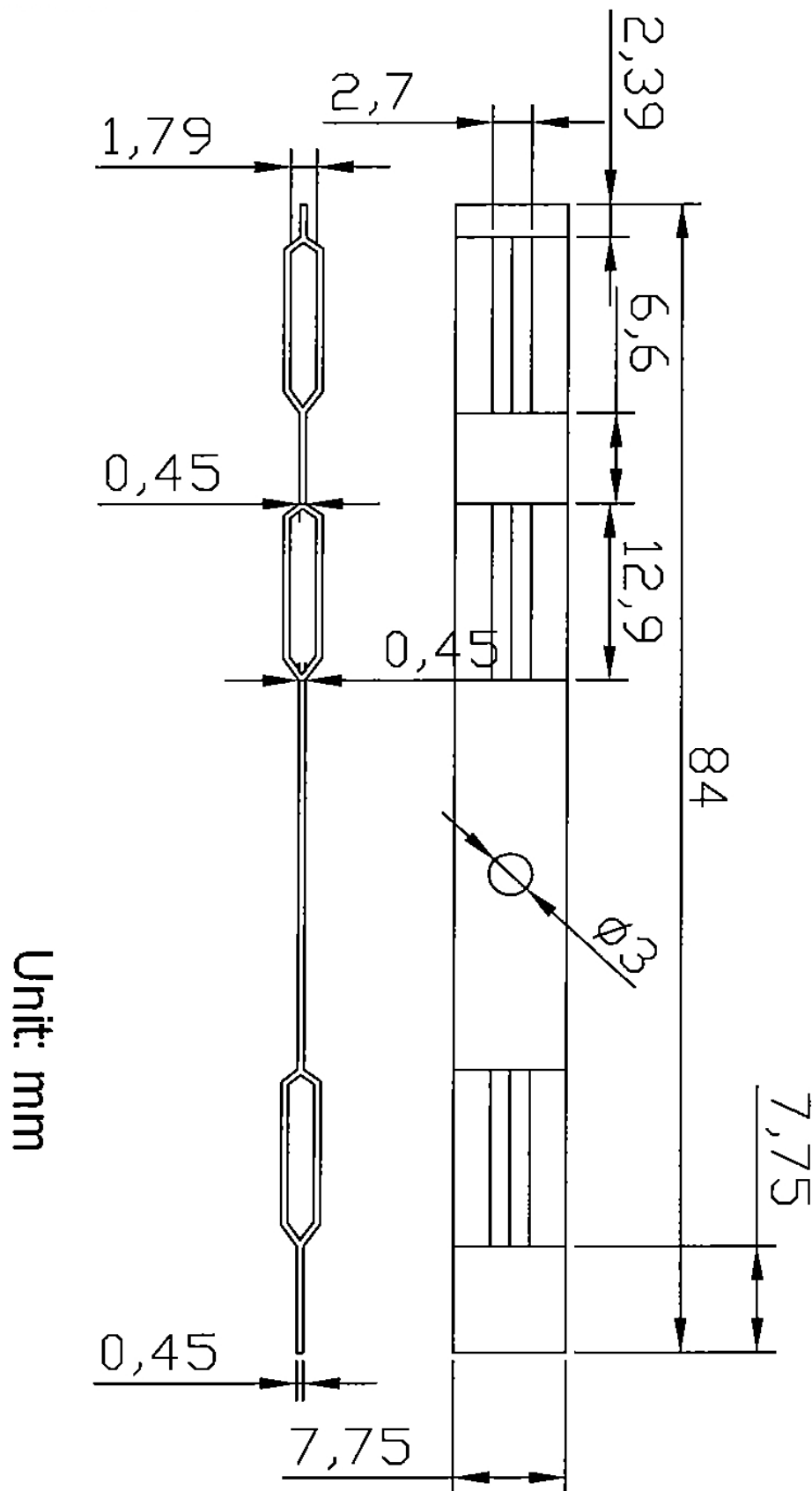
7.0 Illustrations

Illustration 12 : Engineering dimension drawing for overall enclosure of 1302



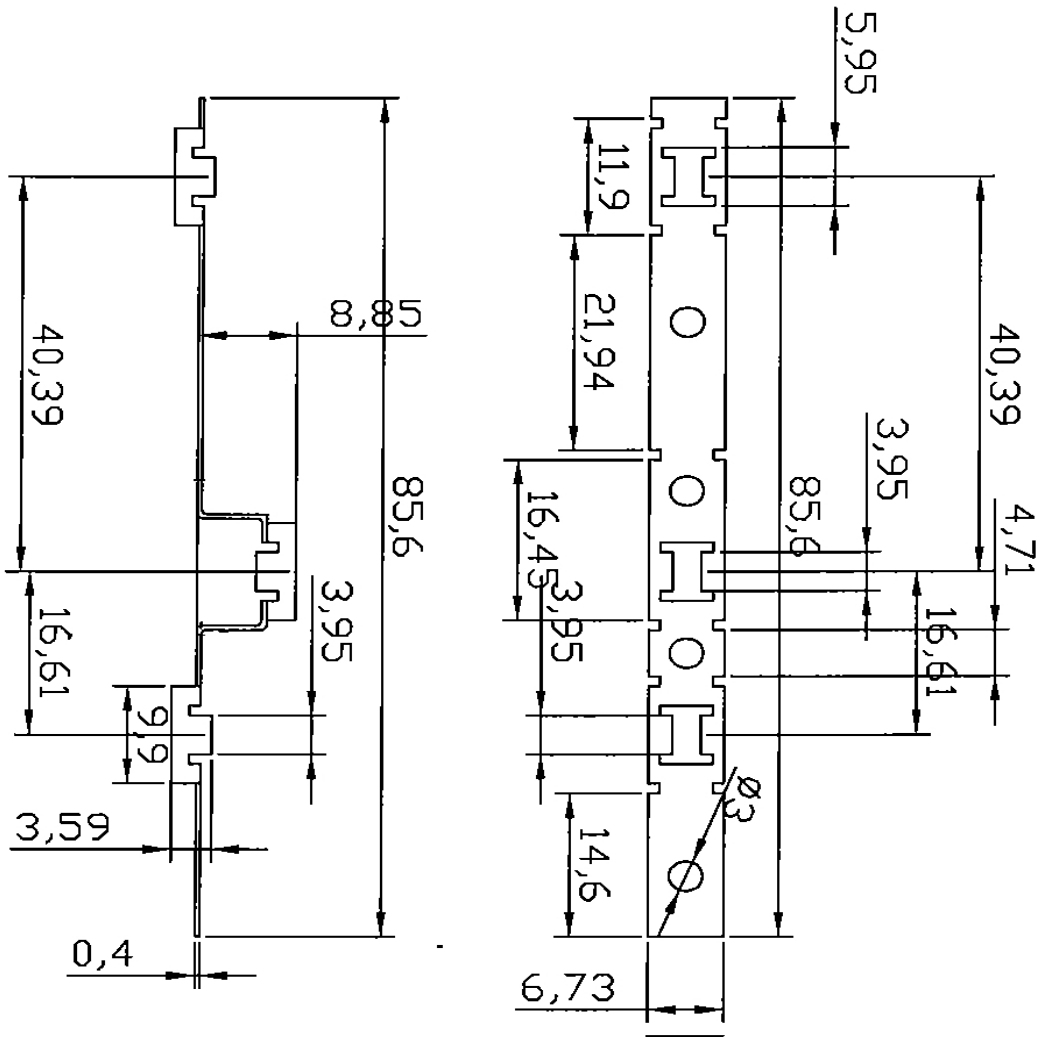
7.0 Illustrations

Illustration 13 : Engineering dimension drawing for line/neutral contact of 1302



7.0 Illustrations

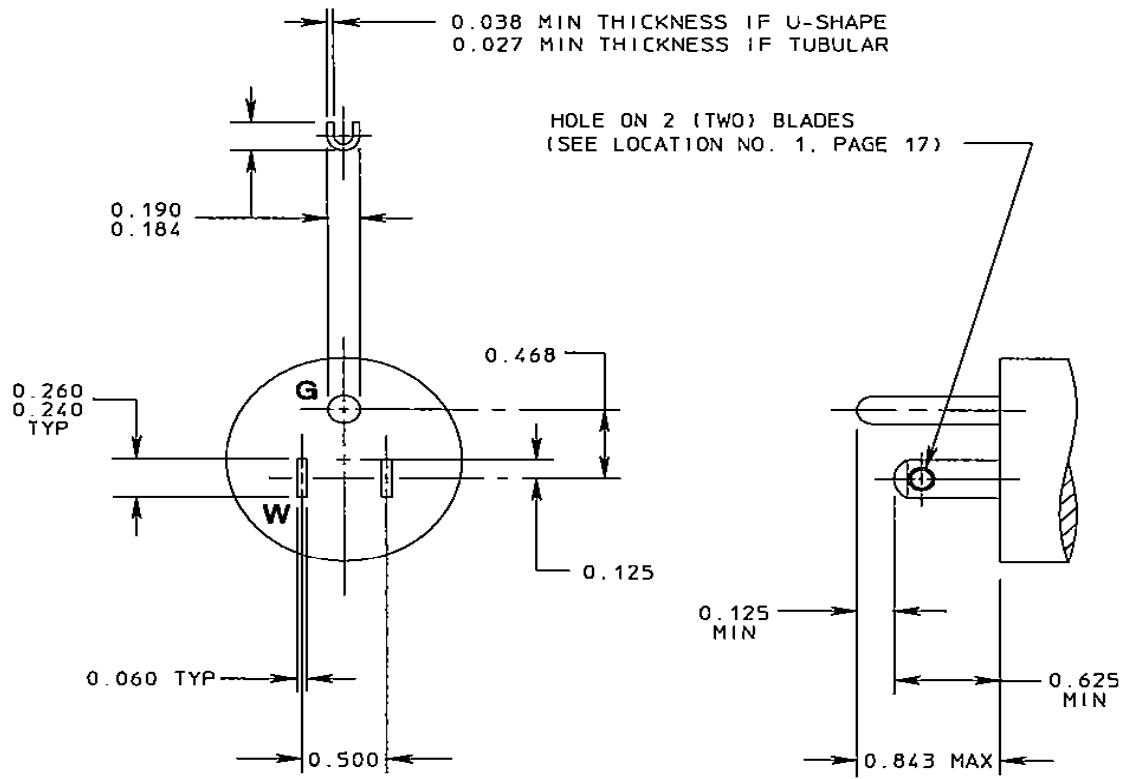
Illustration 14 : Engineering dimension drawing for grounding contact of 1302



Unit: mm

**7.0 Illustrations**

**Illustration 15 : Engineering dimension drawing for standard sheet of NEMA 5-15P plug**

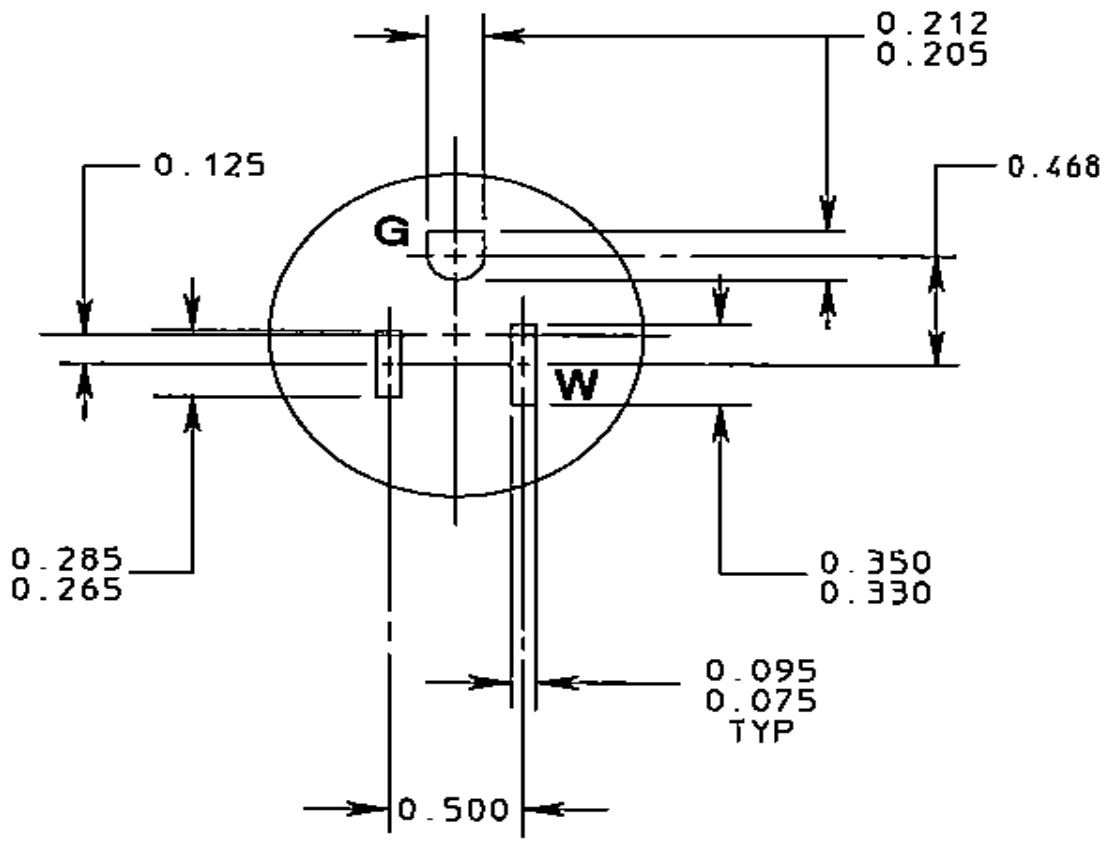


**PLUG**

Unit: inch

**7.0 Illustrations**

**Illustration 16 : Engineering dimension drawing for standard sheet of NEMA 5-15R receptacle**

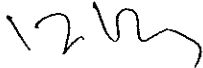
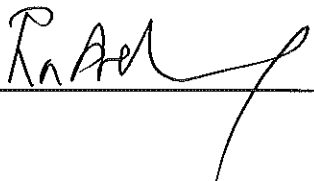


**RECEPTACLE**

Unit: inch

<b>8.0 Test Summary</b>			
Evaluation Period	2010-06-17 ~ 2010-07-05		Project No. SH10060972
Sample Rec. Date	17-Jun-2010	Condition	Prototype
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following tests were performed:			
Test Description	UL817, Eleventh Edition, Rev; October 5, 2009 Clause	CSA C22.2 No 21, 1995/03/01, Ed:8,R1999 Clause	
Conductor Secureness Test	81	6.1	
Security of Blades Test	82	6.2	
Strain Relief Test	84	6.4	
Temperature Test	87	6.12	
Dielectric Voltage Withstand Test	88	6.18	
Insulation Resistance Test	89	-	
Accelerated Aging Tests	90	-	
Crush Test	91	-	
Impact Resistance Test	92	6.25	
Improper Insertion Test	93	-	
Blade Pull Test at Elevated Temperature	95	-	
Abrupt Pull Test	99	-	
Jacket Retention Test	100	-	
Overload Test	-	6.24	
Cycling Test	-	6.13	
Test Description	UL498, 14th edition, Rev: April 6, 2010 Clause	C22.2 No 42-99, Sixth edition, General Use Instruction No 1, updated no 4 (R2002) Clause	
Retention of Plug Test	87	7.7	
Overload Test	88	7.8	
Temperature Test (after overload)	89	7.9	
Retention of plug test (repeated)	90	7.10	
Resistance to Arcing	91	7.17	
Evaluation Period	2011-11-30~2011-12-12		Project No. SH11111723
Sample Rec. Date	N/A	Condition	Prototype
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China		
Test Procedure	Testing Lab		
Evaluation Period	2014-04-18 ~ 2014-04-23		Project No. 140401426SHA
Sample Rec. Date	N/A	Condition	Prototype
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
All is the same as before, only update the standards to be the latest ones as below			
Test Description	ANSI/UL817-2014, Eleventh edition, Dated March 16, 2001; Rev: February 3, 2014 Clause	CSA C22.2 No 21-14, Dated: February 2014 Clause	

8.0 Test Summary			
Test Description		ANSI/UL498-2014, 15th edition, Dated March 30, 2012; Rev: February 27, 2014 Clause	CSA C22.2 No 42-10, Dated: November 2010; Update No.1: November 2013 Clause
Evaluation Period	2015-09-30~2015-10-26		Project No. 151001308SHA
Sample Rec. Date	30-Sep-2015	Condition	Prototype
Sample ID.	0150930		
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
For KT-A which with new added alterative plug insert construction, below tests were conducted again. Else, update standard to be latest version for all products, no additional other test required.			
Test Description		ANSI/UL817-2015, Twelfth Edition, Dated: March 11:2015 Clause	CSA C22.2 No 21-14, Dated: February 2014 Clause
Strain Relief Test		11.3	7.1.3
Dielectric Voltage Withstand Test		11.4	7.1.4
Insulation Resistance Test		11.5	7.1.5
Accelerated Aging Tests		11.6	7.1.6
Crushing test		11.7	7.1.7
Impact resistance test		11.8	7.1.8
Security of blade test		12.1	7.2.1
Temperature test		12.2	7.2.2
Blade Pull Test at Elevated Temperature		12.4	7.2.4
Abrupt pull		12.5	7.2.5
Test Description		ANSI/UL498-2014, 15th Edition, Dated March 30, 2012; Rev: October 22, 2014 Clause	CSA C22.2 No 42-10, Update No.1: November 2013 (R2015) Clause
Evaluation Period	2016-05-20~2016-05-26		Project No. 160502435SHA
Sample Rec. Date	N/A	Condition	Prototype
Sample ID.	N/A		
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
All is the same as before, only update standard to be latest version and add alterative manufacturer 2 "Zhejiang Camet Electrical Appliance Co.,Ltd", after review, no additional test required.			
Test Description		UL817, Twelfth Edition, Dated: March 11:2015 ,Rev: March 9,2016 Clause	CSA C22.2 No 21-14, Dated: February 2014; Amendment No 1: January 2015 Clause

8.0 Test Summary			
Test Description		UL498, 15th Edition, Dated March 30, 2012; Rev: October 22, 2014	Clause
Evaluation Period	2018-10-11~2018-11-19		Project No. 181000450SHA
Sample Rec. Date	NA	Condition: Prototype	Sample ID: NA
Test Location	Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China		
Test Procedure	Testing Lab		
<p>Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.</p> <p>All is the same as before, only update UL817 standard to latest version, add manufacturer 3 "Kingtec (vietnam) technologies Co.,Ltd", delete multiple listee 1 "Prime Wire and Cable Inc" and some other administrative updates, after review, no additional test required.</p>			
8.1 Signatures			
<p>A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.</p>			
Completed by:	Da Deng	Reviewed by:	Rachel Wang
Title:	Engineer	Title:	Reviewer
Signature:		Signature:	



**9.0 Correlation Page For Multiple Listings**

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

<b>BASIC LISTEE</b>	HANGZHOU KAITE ELECTRICAL APPLIANCE CO.,LTD.
Address	SANDU INDUSTRIAL ZONE, JIANDE CITY, ZHEJIANG PROVINCE 311605
Country	China
Product	Power Supply Cord and cord set

<b>MULTIPLE LISTEE 1</b>	None
Address	
Country	
Brand Name	

<b>ASSOCIATED MANUFACTURER</b>	
Address	
Country	

<b>MULTIPLE LISTEE 1 MODELS</b>	<b>BASIC LISTEE MODELS</b>

<b>MULTIPLE LISTEE 2</b>	None
Address	
Country	
Brand Name	

<b>ASSOCIATED MANUFACTURER</b>	
Address	
Country	

<b>MULTIPLE LISTEE 2 MODELS</b>	<b>BASIC LISTEE MODELS</b>

<b>MULTIPLE LISTEE 3</b>	None
Address	
Country	
Brand Name	

<b>ASSOCIATED MANUFACTURER</b>	
Address	
Country	

<b>MULTIPLE LISTEE 3 MODELS</b>	<b>BASIC LISTEE MODELS</b>

## 10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

### COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

### LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

**For US standards**, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

**For Canadian standards**, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

**Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.**

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

### MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

### FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

### 10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

**Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation**

Ship the samples to:  
Intertek Testing Services Shanghai  
ETL Component Evaluation Center  
Building No. 86, 1198 Qinzhou Road (North)  
Shanghai 200233, China  
Attn: Ms. Angela Han

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

## **11.0 Manufacturing and Production Tests**

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

### **Required 100% Production Tests**

Dielectric Voltage Withstand Test, Polarization and Grounding Continuity Test

Quarterly, the Field Representative shall randomly select samples to test at manufacturer's facility. Samples shall be selected in a manner which will insure all cord types are tested at least annually. If testing takes longer than one day, re-visit shall be arranged to verify the test result.

### **Required Quarterly Tests**

Insulation Resistance Test, Recess of Contacts Test, Depth of Cavity Test, Conductor Secureness Test, Security of Blade or Pin Test, Security of Insulation Test, Strain Relief Test, Abrupt Pull Test and Jacket Retention Test.

### **Procedure in the Event of Nonconformance**

- a. Another set of samples are selected from the next production lot.
- b. If the manufacturer decides to resubmit the sample after corrective actions, twice number of the samples should be selected from the corrected lot and tested.
- c. In either case if additional nonconformance result occurs, contact the reviewing office immediately. Use of Listing mark may be suspended pending investigation by Intertek and the manufacturer.
- d. If retesting is required at manufacturer's premises, the revisit shall be at manufacturer's expenses. This revisit does not count as quarterly visit.

### **Records**

The following information shall be recorded and maintained by the manufacturer. This information shall also be recorded and submitted to the Field Representative with the samples being selected:

1. Cord type and model numbers
2. Number of samples tested
3. Test performed
4. Test results
5. Number of incompliance and the cause
6. Corrective and preventive actions

### **Required Annual Tests at Intertek**

Overcurrent Protection Test

Required samples must be forwarded to:

**Intertek Testing Services Shanghai.  
Building No. 86, 1198 Qinzhou Road (North)  
Shanghai 200233, China  
Attn: Ms Angela Han**

**11.1 Dielectric Voltage Withstand Test**

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between each line conductor and between each line conductor and grounding conductor. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

**Products Requiring Dielectric Voltage Withstand Test:**

<u>Product</u>	<u>Test Voltage</u>	<u>Test Time</u>
No product covered by this Report. (judgement by engineer)	1250 VAC	60 s
	or	
	1700 VDC	60 s
	or	
	1500 VAC	1 s
	or	
	2100 VDC	1 s

**11.2 Polarization and Grounding Continuity Test**

Method

One hundred percent of production of the products listed below shall be subjected to a test to determine that there is continuity between each conductor and the intended terminals of the fitting. Additionally if provided with contacts there is electrical continuity throughout the entire length of the conductor/contact assembly.

A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate continuity.

**Products Requiring Polarization and Grounding Continuity Test:**

All products covered by this Report.

### 11.3 Insulation Resistance Test - Quarterly

#### Method

Using a megaohm meter that has open circuit output of 500V. The measured resistance shall not be less than 100 megaohms between:

1. Live parts of opposite polarity
2. Live parts and accessible metal parts
3. Live parts and accessible insulating material (using 2.5 mm lead shot)

#### Products Requiring Insulation Resistance Test:

1. One sample from production lot per cord type per purpose (general use, out-door, oil, etc.).
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six cord types, different types should be selected in the next visit.

### 11.4 Recess of Contacts Test - Quarterly

#### Method

The female contacts of a 2-wire parallel –slot cord connector shall be recessed at least 1/4 inch (6.4mm) from the face of fitting.

#### Products Requiring Recess of Contacts Test:

1. One sample from production lot per cord type per connector configuration (molding and contact types).
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six combinations, different combinations should be selected in the next visit.

### 11.5 Depth of Cavity Test - Quarterly

#### Method

Gauge for checking contact slots:

#### Products Requiring Depth of Cavity Test:

1. One sample from production lot per cord type per connector configuration (molding and contact types).
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six combinations, different combinations should be selected in the next visit.

### 11.6 Conductor Secureness Test - Quarterly

#### Method

An unmolded attachment plug cap, cord connector body or current tap shall be subjected to a 1 minute pull gradually applied to the conductor while the blades, pins or contacts are held rigid. The force of the pull shall be based on the conductor size: 18 AWG or larger – 20 lbf (89N) or smaller than 18 AWG – 8 lbf (36N).

#### Products Requiring Conductor Secureness Test:

1. One sample from production lot per combination of AWG and contact/blade/pin.
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six AWG sizes, different AWGs should be selected in the next visit.

### 11.7 Security of Blade or Pin Test - Quarterly

#### Method

Attachment plug caps of 2-pole 2-wire and 3-wire construction are required to be tested with a 20 lbf (89N) downward pull for 2 minutes on each blade or pin. The products tested shall not have conductors attached.

If the attachment plug cap is rigid construction, no loosening is acceptable.

If the attachment plug cap is non-rigid construction, no more than 3/32 inches (2.4mm) displacement is acceptable.

**Products Requiring Security of Blade or Pin Test:**

1. One sample from production lot per plug configuration (molding and blade/pin combination).
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six combinations, different combinations should be selected in the next visit.

**11.8 Security of Insulation Test - Quarterly**

Method

For a parallel cord that has a nominal insulation thickness less than 0.060 in (1.52 mm)

1. Cord length 6-8 inches (152-203 mm)
2. Slit parallel to the conductor at about 1 inch (25.4 mm) from cord entry
3. All conductors are to be severed at the slit
4. A pull of 15 lbf (67N) for 2 minutes at the end of the cord
5. Detachment of the insulation from the fixture is not acceptable

**Products Requiring Security of Insulation Test:**

1. One sample from production lot per cord type per model.
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six cord types, different types should be selected in the next visit.

**11.9 Strain Relief Test - Quarterly**

Method

The fitting is to be securely supported by a rigid horizontal plate having a hole just large enough for the cord to pass through. 1 minute pull in a vertical direction using following weight:

1. General purpose fittings
  - a) 18 AWG or larger – 30 lbf (133N)
  - b) Smaller than 18 AWG – 20 lbf (89N)
  - c) The leads cannot break or separate from the bodies
2. Flatiron and appliance plugs
  - a) The conductors are severed near the terminals
  - b) 35 lbf (156N) between the cord and the plug
  - c) The end of cords cannot pulled away from the terminal cut
  - d) Withstand a 3 lbf-in (0.34 N-m) torque for 1 minute (UL 817, Fig. 84.1)
  - e) It is not acceptable if the cord twists more than 90 degrees
3. Through-cord heating-pad switches – unless all connections are secured mechanically such as riveted
  - a) The conductors are severed near the switch terminals
  - b) 50 lbf (222N) for 1 minute
  - c) It is unacceptable if the conductors are pulled away from the terminals
  - d) If the conductors were not severed, the results are unacceptable if there is any breakage of the conductor or disruption of connections in the switch
4. Range and dryer power supply cord kits
  - a) 35 lbf (15.9 kg) pull for 1 minute
  - b) The mounting plate is to be supported in each of the following position:
    - Horizontal
    - Vertical with the axis of the cord in horizontal position
    - Vertical with the axis of the cord in vertical position
  - c) There shall be no damage to the cord insulation
  - d) There shall be no movement of the cord with respect to the strain relief

**Products Requiring Strain Relief Test:**

1. One sample from production lot per cord type per model.
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six cord types, different types should be selected in the next visit.

### 11.10 Abrupt Pull Test - Quarterly

#### Method

1. Cords employing a grounding conductor – See UL 817, Fig. 99.1
  - a) Free fall impact until any of the conductors broken, or
  - b) 25 impacts
  - c) It is not acceptable if the grounding conductor breaks before the line conductors.
  - d) The grounding conductor must withstand 40A at 6-12V for 2 minutes.
2. Cords employing two conductors
  - a) Same setup as UI 817, Fig. 99.1 except for 45 degree angle
  - b) 5 impacts without opening of any conductors
  - c) Free fall distance is 7 inches (178 mm)
  - d) Test orientation:
    - Blades in the vertical position
    - Rotate 90 degrees to the right
    - Rotate 90 degrees to the left

#### Products Requiring Abrupt Pull Test:

1. One sample from production lot per cord type per molding.
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six cord types, different types should be selected in the next visit.

### 11.11 Jacket Retention Test - Quarterly

#### Method

1. Applicable to mold-on assemblies employing attachment plugs and current taps
  - a) Same setup with UL 817, Fig. 99.1
  - b) Fitting with 12 inches (305 mm) of flexible cord attached
  - c) 10 impacts
  - d) The fitting is mounted horizontally
    - 3 lbf (1.4 kg) is suspended at a point of 8 inches (203 mm) from the cord entry.
  - e) 360 degrees rotation about horizontal axis
  - f) There shall be no any material inside the jacket visible at the point where the cord enters the fitting.
2. Applicable to all mold-on fitting assemblies
  - a) Fitting with 12 inches (305 mm) of flexible cord attached
  - b) Slit a short distance at 6 inches (152 mm) from the cord entry
  - c) All internal conductors are severed
  - d) 15 lbf (67N) is to be applied for 2 minutes at 8 inches (203 mm) from the cord entry.
  - e) There shall be no any material inside the jacket visible at the point where the cord enters the fitting.

#### Products Requiring Jacket Retention Test:

1. One sample from production lot per cord type per molding.
2. Total number of minimum 3; maximum 6 types are to be selected and tested.
3. If there are more than six cord types, different types should be selected in the next visit.

### 11.12 Overcurrent Protection Test - Annually

#### Method


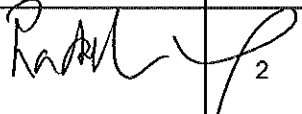
Per the test methods described in the Standard for Cord Sets and Power-Supply Cords UL 817 based on the product configuration and rating.

#### Products Overcurrent Protection Test:

- 10 samples of each complete cord set and power supply cord having all fuses in place and 10 separate samples of each fuse used.
1. General use cord set employing 18 AWG or 17 AWG conductors.
  2. Outdoor use cord set employing 18 AWG or 17 AWG conductors.
  3. 2-wire power supply cord employing 20 AWG conductors.
  4. Through-cord device.



<b>12.0 Revision Summary</b>				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
12-Dec-2011	Vicky Huang/	1,7,8,9, 12	-	Add one multiple listee "Prime Wire and Cable Inc.", with one multiple listee type P-2.
SH11111723	Rachel Wang			
23-Apr-2014	Cyril Zhang/	1,8	N/A	Update main standards: 1, Update UL817 to be "ANSI/UL817-2014, Eleventh edition, Dated March 16, 2001; Rev: February 3, 2014" 2, Update CSA C22.2 No 21 to be "CSA C22.2 No 21-14, Dated: February 2014" Update component standards: 3, Update UL498 to be "ANSI/UL498-2014, 15th edition, Dated March 30, 2012; Rev: February 27, 2014" 4, Update CSA C22.2 No 42 to be "CSA C22.2 No 42-10, Dated: November 2010; Update No.1:November 2013"
140401426S HA	Rachel Wang			
26-Oct-2015	Rainbow Li/	1	N/A	Update ANSI/UL817 to be latest version "ANSI/UL817-2015, Twelfth Edition, Dated: March 11:2015"
151001038S HA		3	N/A	1 Add one alternative plug insert construction for type KT-A, see photo 2 and 3 for details 2. Adjust other photo no correspondingly
		8	N/A	1 Update main standard ANSI/UL817 to be latest version "ANSI/UL817-2015, Twelfth Edition, Dated: March 11:2015" 2 Update component standard ANSI/UL498 to be latest version "ANSI/UL498-2014, 15th Edition, Dated March 30, 2012; Rev: October 22, 2014" 3 Update CSA C22.2 No 42 standard to be latest version "CSA C22.2 No 42-10, Update No.1:November 2013 (R2015)"
		12	N/A	Add revision summary
26-May-2016	Cyril Zhang/  Rachel Wang	1	-	1 Change standard ANSI/UL817 to be UL817 according to global requirement; 2 Add blank row between different standard according to global requirement; 3 Update standard UL817 to be latest version "UL817, Twelfth Edition, Dated: March 11:2015 ,Rev: March 9,2016" 4 Update standard CSA C22.2 No 21 to be latest version "CSA C22.2 No 21-14, Dated: February 2014; Amendment No 1: January 2015" 5 For address for applicant and manufacturer 1, add post code 311605 6 For contact for applicant and manufacturer 1, change from original "Mr Hong Chang Qing" to be "Mr BaoFengFang" 7 For phone no for applicant and manufacturer 1, change from original "0086-571-64184185" to be "0571-58317207" 8 Delete fax no for applicant and manufacturer 1 9 For email address for applicant and manufacturer 1, change from original "jack@powerkaite.com" to be "gma@powerkaite.com" 10 Add manufacturer 2 "Zhejiang Camet Electrical Appliance Co.,Ltd."
160502435S HA		2	-	Add alternative trade mark "KMC"

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
		7	1,2,3, 4	1 Change standard ANSI/UL817 to be UL817 according to global requirement; 2 Add marking information for added manufacturer 2 "Zhejiang Camet Electrical Appliance Co.,Ltd." which with control no 5003846 3 Add alterative trade mark "KMC"
		8	-	1 Change standard ANSI/UL817 to be UL817 according to global requirement; 2 Update standard UL817 to be latest version"UL817, Twelfth Edition, Dated: March 11:2015 ,Rev: March 9,2016" 3 Update standard CSA C22.2 No 21 to be latest version "CSA C22.2 No 21-14, Dated: February 2014; Amendment No 1: January 2015" 4 Add test summary information
19-Nov-2018	Da Deng/  Rachel Wang	1	-	1 Update standard UL817 from original version "UL817, Twelfth Edition, Dated: March 11:2015 ,Rev: March 9,2016" to latest version "UL 817:2015 Ed.12+R:05May2017"; 2 Add manufacturer 3 "Kingtec (vietnam) technologies Co.,ltd" which with control no 5013210; 3 Reformat standard CSA C22.2#21 to be in align with GSSQ
181000450S HA		2	-	1 For brand name, change "HANGZHOU KAITE ELECTRICAL APPLIANCE CO.,LTD" to be "KAITE"; 2 For models, remove word "power supply cord" and "cord set" to rows for "Model Similarity"
		7	origina 1~4	Update marking information to be with one ETL logo for each kinds of product "power supply cord" and "cord set" according to latest requirement
		7	1,2	1 Add marking information for new added manufacturer 3 "Kingtec (vietnam) technologies Co.,ltd" which with control no 5013210; 2 Change information "CERTIFIED TO CSA STD.C22.2 NO. 21" to be "CERTIFIED TO CSA STD.C22.2#21"; 3 Change information "HANGZHOU KAITE ELECTRICAL APPLIANCE CO.,LTD" to be "KAITE"; 3 Add date code 20YY/MM/DD; 4 Add note 7 for date code explanation
		7	1	Delete marking for multiple listee type P2 for multiple listee 1 "Prime Wire and Cable Inc";
		9	1	Remove ML 1 "Prime Wire and Cable Inc."
		8	-	Add test summary information
		12	-	Add revision summary information