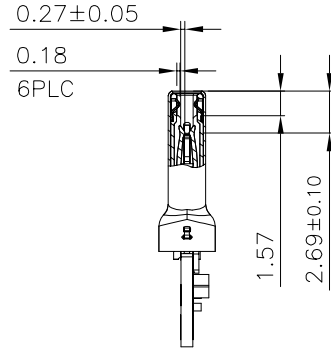
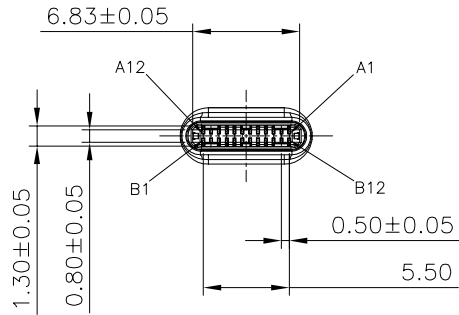


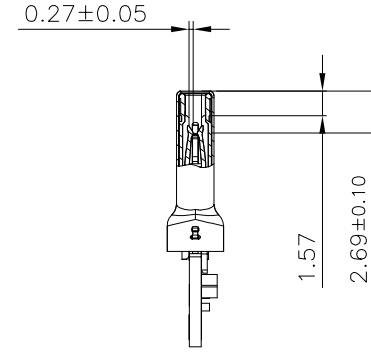
# HF

Halogen Free

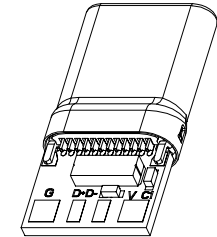
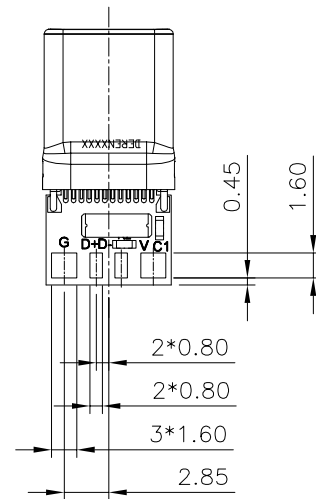
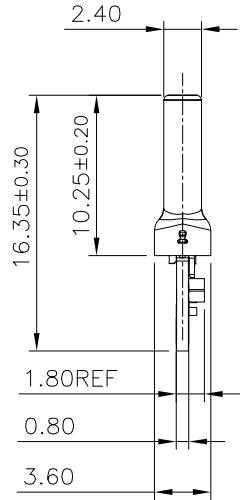
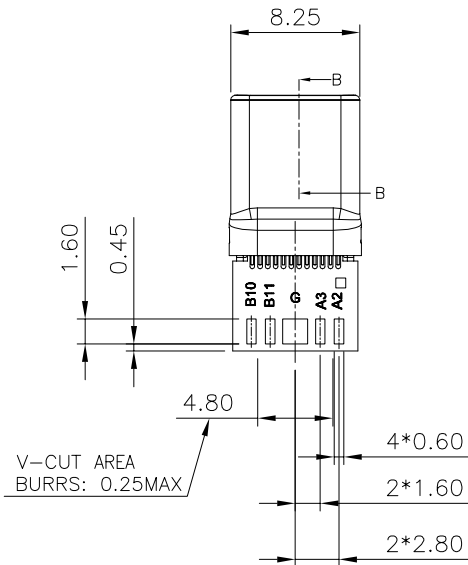
REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2017.02.16	Liangkeyao



SECTION B-B  
SCALE 1:1  
(WITH EMI SPRING)



SECTION B-B  
SCALE 1:1  
(WITHOUT EMI SPRING)



**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

DIM	TOL	DIM	TOL
x.	±0.30	x.	±2'
.x	±0.25	.x	±1'
.xx	±0.15		

DRAW NO.  
SC1701588

REV. A

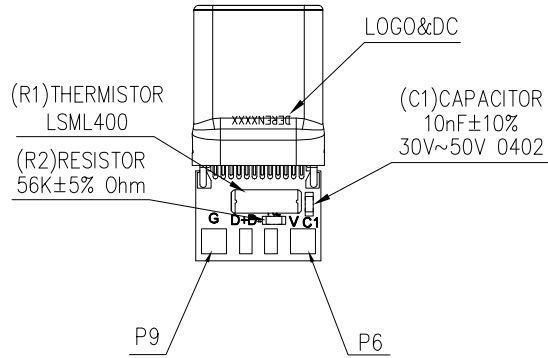
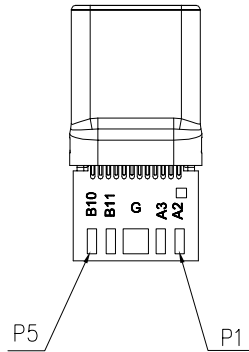
CUSTOMER DRAWING	DATE
DESIGN: Liangkeyao	2017.02.16
CHECK:	
APPROVAL:	

TITLE: UC PLUG WITH PCB(CU3.0 WITH PTC 56K Ohm W=8.0mm) ASSY	
P/N: 40-42415-C243xTxxxHF	
SHEET: 1/4	
SCALE: 1:1	UNIT: mm

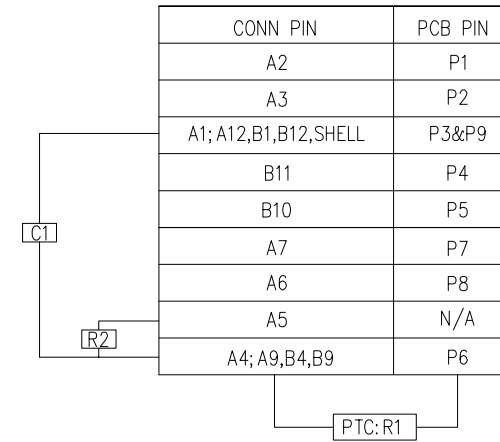
# HF

Halogen Free

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2017.02.16	Liangkeyao



CONTACT FIGURE:



NOTE: PINS DESCRIPTION

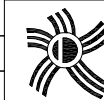
A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	VBus	SBU1	D-	D+	CC	VBus	TX1-	TX1+	GND
GND	TX2+	TX2-	VBus	Vconn			SBU2	VBus	RX1-	RX1+	GND
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12

PLUG FRONT VIEW

NOTES:

- 1、CABLE PADS(P3,P6,P9) WITH TIN THICKNESS: 0.25~0.35mm
- 2、THE OTHER CABLE PADS WITH TIN THICKNESS: 0.20~0.30mm

DIM	TOL	DIM	TOL
x.	±0.30	x.	±2°
.x	±0.25	.x	±1°
.xx	±0.15		



**DEREN**

SHENZHEN DEREN ELECTRONIC CO., LTD

CUSTOMER DRAWING DATE

DESIGN: Liangkeyao 2017.02.16

CHECK:

APPROVAL:

DRAW NO.

SC1701588

REV. A

TITLE: UC PLUG WITH PCB(CU3.0 WITH PTC 56K Ohm W=8.0mm) ASSY

P/N: 40-42415-C243xTxxxHF

SHEET: 2/4

SCALE: 1:1 UNIT: mm

**HF**

Halogen Free

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2017.02.16	Liangkeyao

## NOTES:

## 1.MATERIAL

- 1.1 HSG: HIGH TEMPERATURE THERMOPLASTIC UL94V-0; COLOR: SEE TABLE
- 1.2 CONTACT: COPPER ALLOY
- 1.3 LATCH: STAINLESS STEEL
- 1.4 EMI SPRING: STAINLESS STEEL
- 1.5 SHELL: STEEL
- 1.6 PCB: FR4 6 LAYERS PATING GOLD

## 2. FINISH:

## 2.1 CONTACT:

- SEE TABLE MIN, Au PLATING ON CONTACT AREA.
- 100u" [2.54um] MIN. TIN PLATING ON SOLDER TAIL AREA.
- 80u" [2.03um] MIN. NICKEL UNDERPLATING ON ALLOVER AREA.

## 2.2 SHELL

SEE TABLE

## 2.3 LATCH:

- 100u" [2.54um] MIN. TIN PLATING ON SOLDER TAIL AREA.
- 50u" [1.27um] MIN. NICKEL UNDERPLATING ON ALLOVER AREA.

## 3. DIFF IMPEDANCE FOR SIGNAL PINS: 85ohm(+/-9ohm)

## 4. MATING FORCE: 5~20N; UNMATING FORCE: 8~20N(0~1000 CYCLES)AND 6~20N AFTER 10000 CYCLES

## 5. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC/MINUTE FOR PER PIN

## 6. INSULATION RESISTANCE: 100M OHM BETWEEN ADJACENT CONTACTS AT 300V DC

## 7. TEMPERATURE RISING: 5A 30°C FOR VBus AND GND PIN

## 8. DATE CODE INFORMATION:

DEREN XX X X

-----

ASSEMBLY LINE

DAY: 1~7 (SUN:1;MON:2)

WEEK: 01~53

LOGO: DEREN

## 9. PART NUMBER INFORMATION:

40-42415-C24 3 \* T \* \* \* HF

## HALOGEN CODE:

HF: HALOGEN FREE

## SHELL PLATING:

- 0: PEARL NICKEL
- 1: NICKEL
- 2: GOLD(G/F)
- 3: SAND BLAST

## LOGO:

- 0: WITH LOGO & WITHOUT EMI SPRING
- 1: WITHOUT LOGO & WITHOUT EMI SPRING
- 2: WITH LOGO & WITH EMI SPRING
- 3: WITHOUT LOGO & WITH EMI SPRING

## HOUSING COLOR:

- 0: BLACK
- 1: WHITE
- 2: RED
- 3: YELLOW

## PACKAGE CODE:

T: TRAY PACKING

## PLATING CODE:

- 1: Au:30u"
- 2: G/F
- 3: Au:5u"
- 4: Au:10u"
- 5: Au:15u"

## ASSY MOLD:

3: PCB FOR CU3.0 WITH PTC 56K Ohm W=8.0mm

## PIN NUMBER CODE:

C24: 24PINS

DIM	TOL	DIM	TOL
x.	±0.30	x.	±2*
.x	±0.25	.x	±1*
.xx	±0.15		

**DEREN**

SHENZHEN DEREN ELECTRONIC CO., LTD

CUSTOMER DRAWING

DATE

TITLE: UC PLUG WITH PCB(CU3.0 WITH PTC 56K Ohm W=8.0mm) ASSY

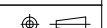
DESIGN: Liangkeyao

2017.02.16

P/N: 40-42415-C243xTxxxHF

CHECK:

SHEET: 3/4



APPROVAL:

SCALE: 1:1

UNIT: mm

REV. A

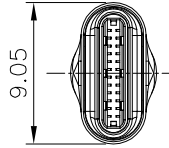
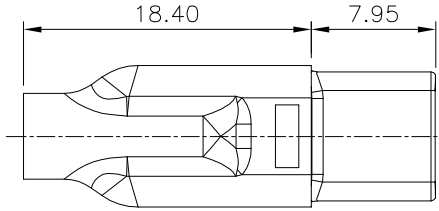
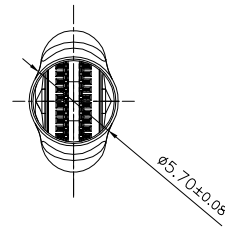
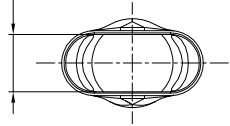
DRAW NO. SC1701588

# HF

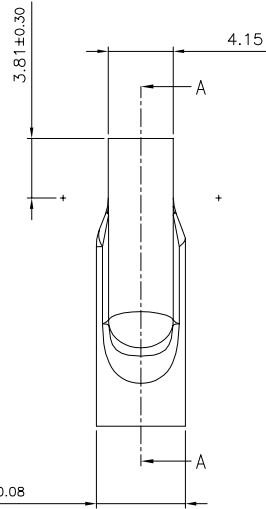
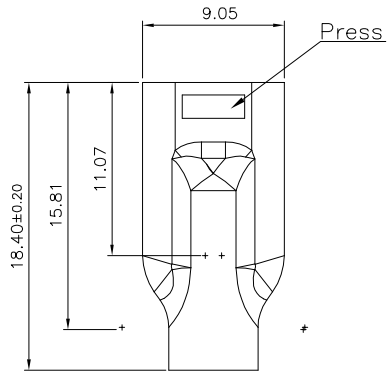
Halogen Free

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2017.02.16	Liangkeyao

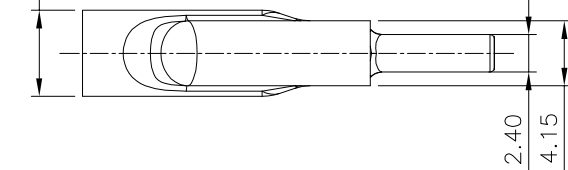
3.65±0.08



Press

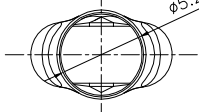


THE STRUCTURE MUST BE PRESS BEFORE MOLDING EXTERNAL

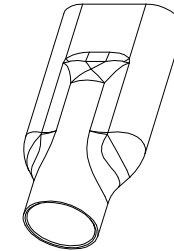
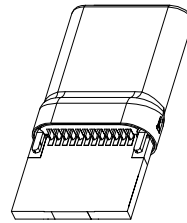
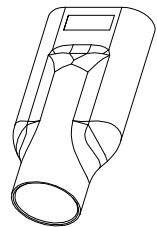
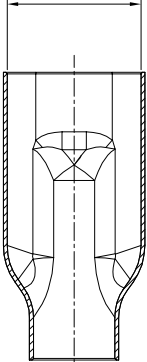


ASSEMBLED CABLE SHELL DIM DRAWING  
NOTE: CABLE SHELL USE FOR CUSTOMER ASSEMBLING

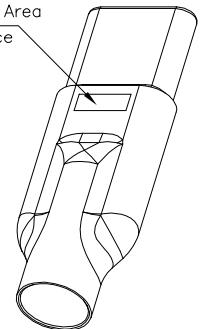
Ø5.20±0.08




8.55<sup>+0.08</sup>/<sub>-0.05</sub>



Spot welding Area Both Surface



CUSTOMERS TO USE DRAWING

				DIM	TOL	DIM	TOL	 <b>DEREN</b> SHENZHEN DEREN ELECTRONIC CO., LTD	CUSTOMER DRAWING		DATE	TITLE: UC PLUG WITH PCB(CU3.0 WITH PTC 56K Ohm W=8.0mm) ASSY	
P/N	ASSY PART	PLATING P/N	CARTON SPEC	.X	±0.30	.X	±2*		DESIGN:	Liangkeyao	2017.02.16	P/N: 40-42415-C243xTxxxHF	SHEET: 4/4
2	40-42455-002	14-41020-24	NO LOGO	.X	±0.25	.X	±1*	DRAW NO.					
1	40-42455-001		DEREN LOGO	.XX	±0.15			SC1701588	CHECK:				
								REV.	A	APPROVAL:			