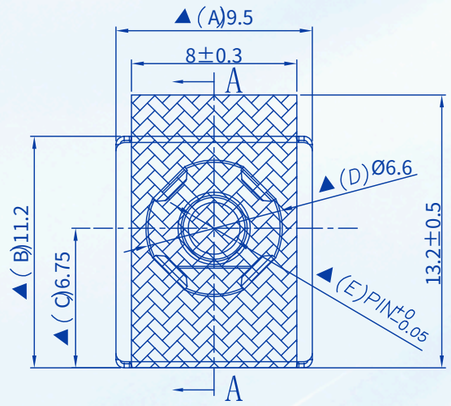
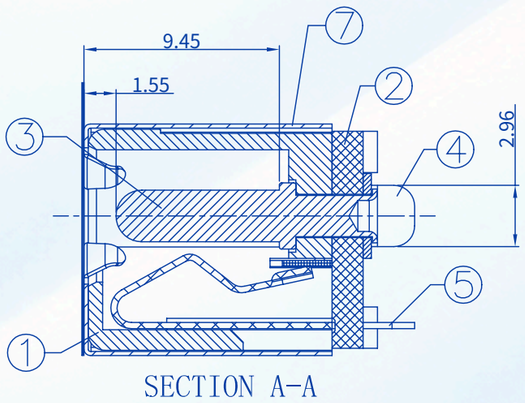
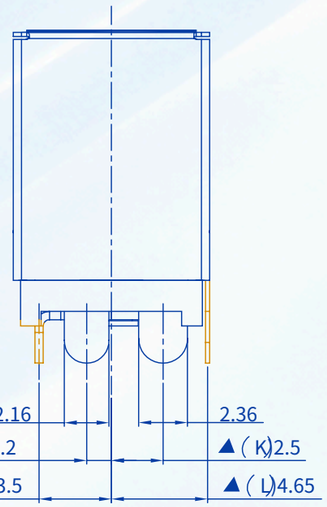
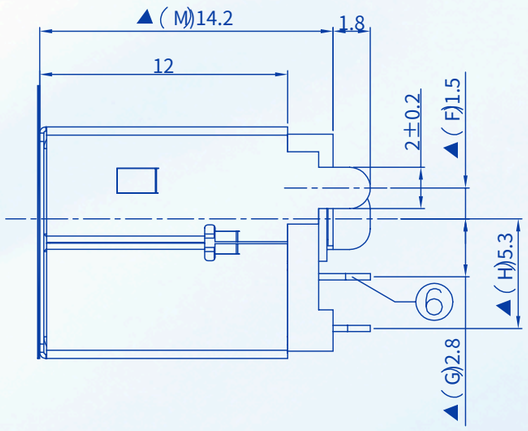
RoHS Compliant

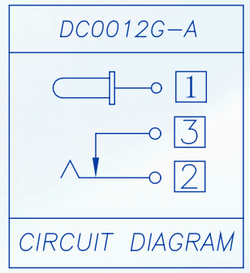




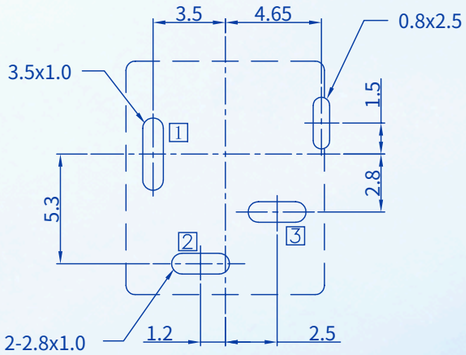
SECTION A-A



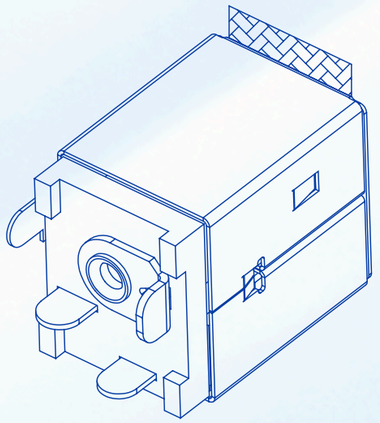


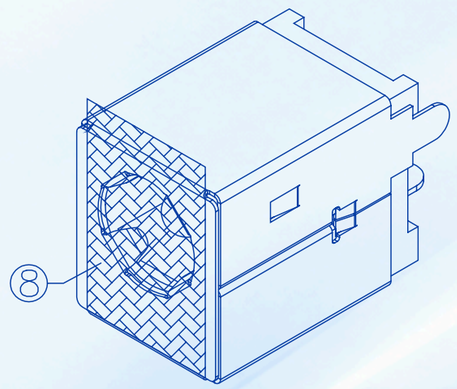


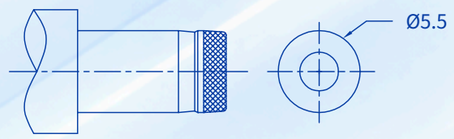
□ : TERMINAL NO.



RECOMMENDED P.C.B. LAYOUT
UNSPECIFIED TOLERANCE: ±0.05
(TOP VIEW)







DC MATE PLUG

REVISION HISTORY

REV.	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY
A0	INITIAL RELEASE	KANGSHENG	Mahn	Jlan

Model No.	DC0012G-AG	DC0012G-AH	DC0012G-AJ
PIN	Ø1.65	Ø2.0	Ø2.5

MATERIAL / SPECIFICATION	
Rating	DC 20V 7A
Contact Resistance	⩽30 mΩ; after life test ⩽50 mΩ
Insulation Resistance	⩾100 MΩ (500V DC); after life test ⩾50 MΩ
Withstand Voltage	500V AC
Insertion & Extraction Force	3N~30N
Life Test	5000 cycles min
Operating Temperature	-20°C~70°C
Storage Temperature	-40°C~85°C
Note	Sign "▲" is importance dimension
BOM: Mylar	Qty 1; Polyimide; Remark Yellow
BOM: Shell	Qty 1; Stainless steel t0.2; Part No. DC0012G-W1; Remark Nickel plating
BOM: Shunt terminal	Qty 1; Brass t0.3; Part No. DC0012G-03; Remark Silver plating
BOM: Tip spring	Qty 1; Phosphor bronze t0.3; Part No. DC0012G-02; Remark Silver plating
BOM: Center pin terminal	Qty 1; Brass t0.4; Part No. DC0012G-01; Remark Silver plating
BOM: Center pin	Qty 1; Brass; Part No. DC00050-99G/H/J; Remark Nickel plating
BOM: Cover	Qty 1; PA9T,UL94V-0; Part No. DC0012D-S2; Remark Black
BOM: Housing	Qty 1; PA9T,UL94V-0; Part No. DC0012G-S1; Remark Black

GENERAL TOLERANCES (UNLESS OTHERWISE SPECIFIED)	
General (mm)	±0.3
Angle (°)	±2

PROJECTION

THIRD ANGLE PROJECTION

DRAWN BY	KANGSHENG
CHECKED BY	Mahn
APPROVED BY	Jlan

深圳市康生电子科技有限公司
Shenzhen Kangsheng Electronic Technology Co., Ltd.

PRODUCT NAME	DC Right-Angle Through-Hole Power Jack DC0012G 1.65/2.0/2.5 mm Center Pin						
PART NO.	KS-DC-0012G					REV.	A0
SCALE	NTS	UNIT	mm	SIZE	A3	SHEET	1/1