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Update to tooling

PCN Number	PCNNOA17M510
Publication Date	15/05/2025
Effectivity Date	Immediate
Change Summary	Updated tooling

Dear Customer,

Anglia have been advised by StudioMate that the tooling for A17M510 has been updated with immediate effect, this is due to the old tooling being beyond its serviceable life. The supplier advised they have also taken this opportunity to revise the mouldings to improve the efficiency and yield of the production process. The revised parts have some minor dimensional and cosmetic appearance changes but the form, fit, and function of the part remains the same.

Attached below are the old and new data sheets for comparison purposes.

Anglia operates a strict FIFO system in our Distribution Centre facility; therefore, it may take time for this change to filter through to customer deliveries of the part number(s).

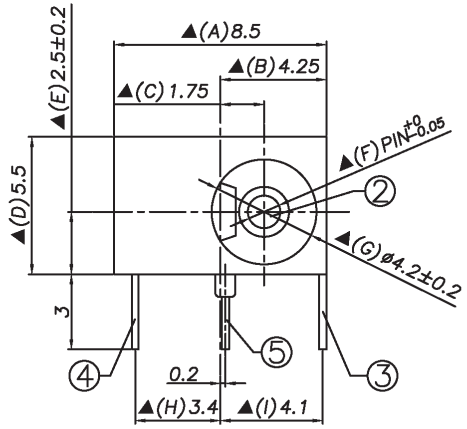
Please make the relevant person(s) in your organisation aware of this change.

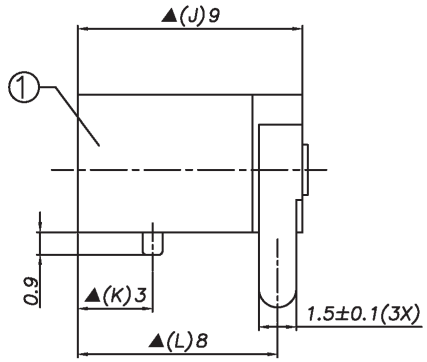
Yours Sincerely

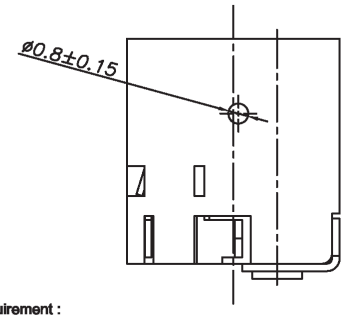
Anglia

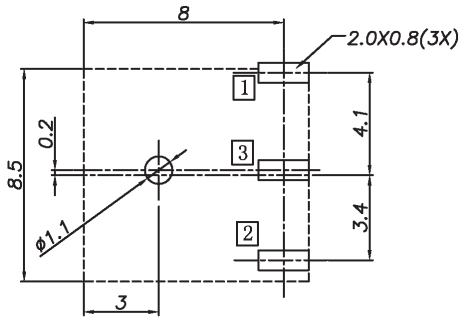
Anglia Part Numbers Affected
A17M510

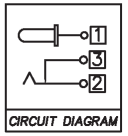
Old Tooling











□ : TERMINAL NO.

Pin : 1.3mm

Technical requirement :
1. This product should meet EU RoHS related requirement.
2. The surface of plastic part should be without any crackle such as burr,lack,and so on phenomenon.
3. The surface of metal part should be without any defect such as scaur,nick,oxidation and plating problem.
4. The electronic performance should be the same as spec.
5. The un-specified tolerance is : <6±0.1
6~20±0.2
>20±0.3

Issue	Revision Details

Product(s) MUST comply with the requirements of the RoHS Directive 2002/95/EC.

all dimensions in mm

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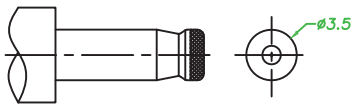
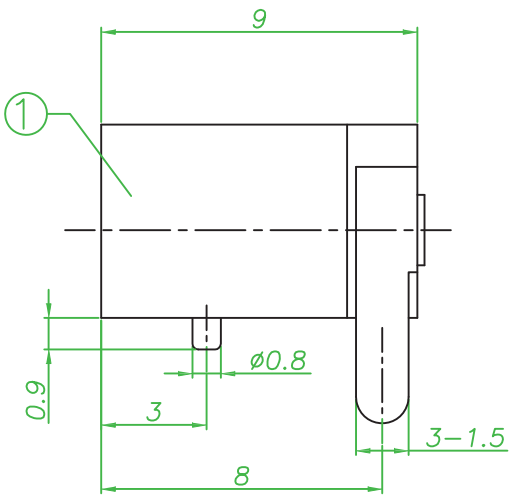
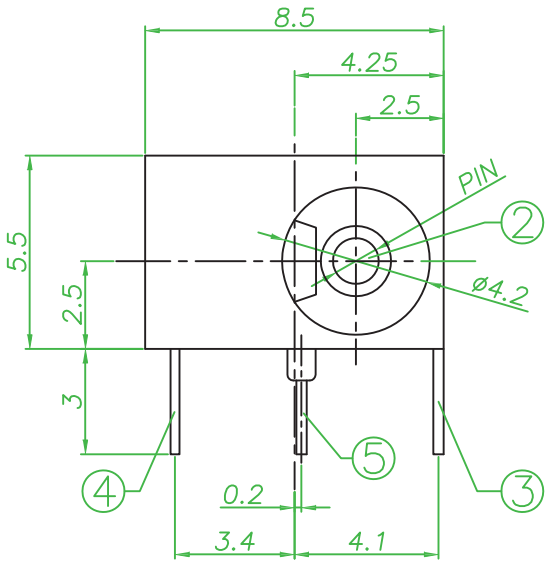
Title: DC POWER JACK	**Issue:** 1	**Issue Date:** 21/9/15	**Prev Issue:**
Part No. : A17M510	**Scale:** NTS		**Angle:**
Manufacturer: N/A	**Tol:**		**Page:** 1 of 1

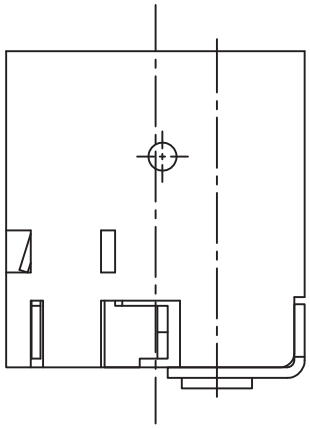
STUDIOMate BY Taicom

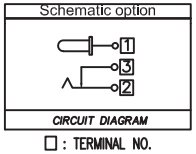


DC MATE PLUG

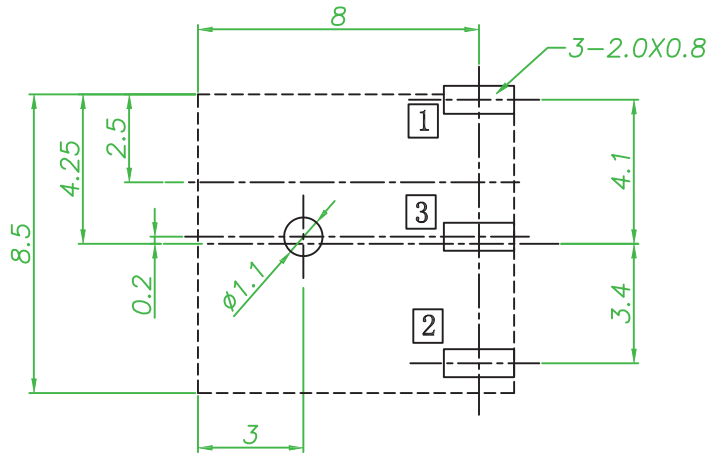








Recommended PCB Layout
(PCB TOLERANCE ±0.05)



SPECIFICATION

1.Rating : DC 20V 2.0A
2.Contact resistance: ≤50mΩ
3.Insulation resistance: ≥100MΩ (DC250V)
4.Withstand voltage: 500VAC
5.Insertion and extraction force: 3-30N
6.life test: 5,000 cycles

NO	DESCRIPTION	QTY	MATERIAL	PLATING
①	Housing	1	PBT	
②	Center pin	1	Brass	Ni-Plating
③	Center pin terminal 1	1	Brass t=0.3	Sn-Plating
④	Tip spring 2	1	SUS301 t=0.25	Sn-Plating
⑤	Shunt terminal 3	1	Brass t=0.3	Sn-Plating

RoHS Compliant

Part Number: A17M510	**Angle:**
Title: DC Power Jack	
all dimensions in mm	**Tol.** (unless stated) .x = ±0.35