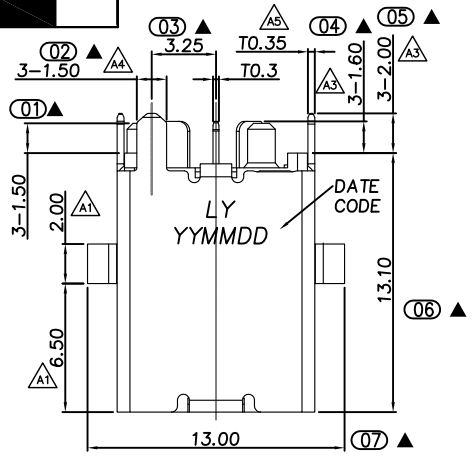
正式图 参考图

Mark	ECN NO.	DESCRIPTION	DESIGN	Date:
——	——	NEW VERSION	David Zhou	2017.10.30
A3	EN20171118002	Modify the part structure	David Zhou	2017.11.18
A4	EN20171122022	Modify the part structure	David Zhou	2017.11.22
A5	EN20171127003	Modify the part structure	David Zhou	2017.11.27



SPECIFICATION:

1.ELECTRICAL CHARACTERISTICS
- 1-1.CONNECTOR RATED CURRENT:5A& 12℃ Max. △T OVER AMBIENT. RATED VOLTAGE:12.1A,19VDC
- 1-2:INSULATION RESISTANCE:100 MOHMS Min. AT 100V DC AFTER 1 MINUTE
- 1-3:DIELECTRIC WITHSTANDING VOLATAGE:150V AC FOR 1 MINUTE:
- 1-4.CONTACT RESISTANCE:30 mOHMS Max.

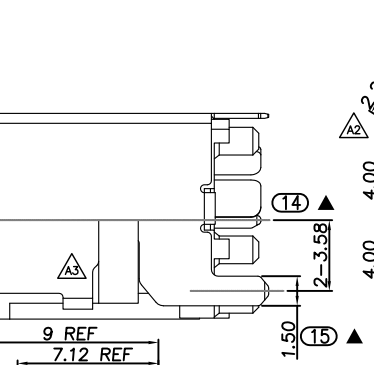
2.MECHANICAL CHARACTERISTICS:
- 2-1.MATING FORCE:0.3-3 KG/F
- 2-2.UNMATING FORCE:0.3-3 KG/F

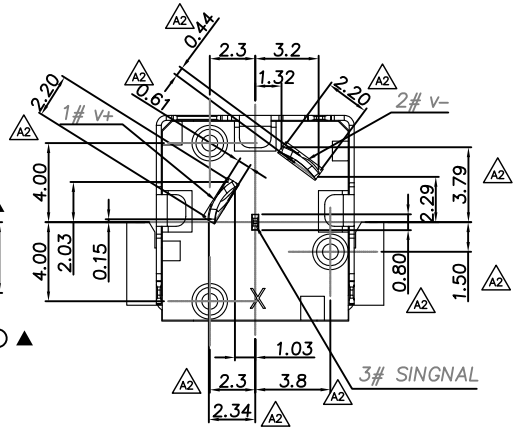
3.OPERATING TEMPERATURE RANGE:-40℃ ~ 85℃

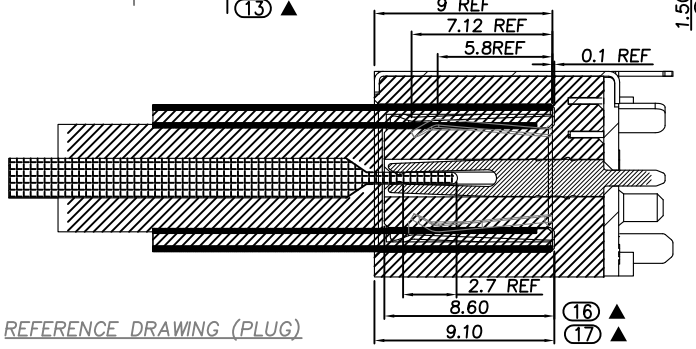
4.HUMIDITY:85%RH Max.

A2 5.RECOMMEND PROCESS:IR REFLOW PEAK TEMPERATURE 220-265℃,20-90s or WAVE SOLDER PEAK TEMPERATURE 265℃,3-5s.

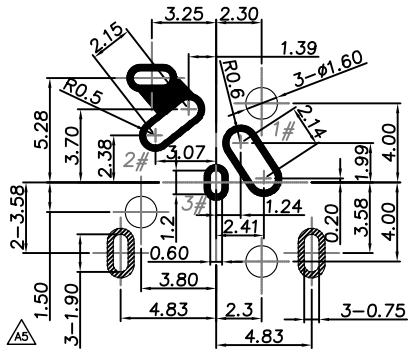
6.Sign"▲"is importance dimension.







REFERENCE DRAWING (PLUG)



RECOMMENDED P.C.B LAYOUT (TOP VIEW)
PCB THICKNESS:1.60mm, TOLRANCE:±0.05

4			SCHEMATIC	2# V-
3				1# V+
2				3# SINGNAL
1	0070	ø0.55 +0 -0.05		
NO.	Center Pin Dim Code	CENTER PIN DIA. øA		

TABLE A: Model of Center Pin

2	L3	PA10T UL94V-0	RoHS2&H.F Fit(IR Reflow)	
1	L2	PA10T UL94V-0	RoHS2 Fit(IR Reflow)	
NO.	CODE	MATERIAL	REMARK	

TABLE B : Plastical Material

P/N: DCN301B-XXXX-XXXX0XX
- Model P/N
- Plastical Material (Choose From Table B)
- Housing Color □01:Black
- Center Pin Dim Code (Choose From Table A)
- Remark 00:Gold plating G/F(LY+DC)
- Packing □R:Tape reel

NO.	DESCRIPTION	QTY	MATERIAL A5	REMARK
⑥	Mylar	1	PET	
⑤	Housing	1	PA10T	Black,UL 94V-0
④	SHELL	1	SUS,t0.35 A5	Nickel 50u" Plating All Over;
③	Contact 3	1	Phosphor Bronze,t0.30	Gold FLASH Plating At Contact Area; Matte-TIN 100-120u" Plating At Solder Tail Area;
②	Contact 2	1	Phosphor Bronze,t0.30	
①	Contact 1	1	Phosphor Bronze,t0.30	Nickel 50u" Under Plating All Over

Tolerance
X.X ±0.30
X.XX ±0.20
X.XXX ±0.10
Angle ±3.0°

UNIT:mm

MODEL NAME: DC POWER JACK
MODEL No:DCN301B-XXXX-XXXX0XX
SCALE:1:1
REVISION A5
SHEET 1/1

菱揚精密有限公司
Ling Yang Precision Co.,Ltd

DRAWING: David Zhou
CHECKED: David Zhou
APPROVED: IVAN
DATE: 2017.10.30
FILE: CD/LINGYANG
DWG NO. DCN301B-A001