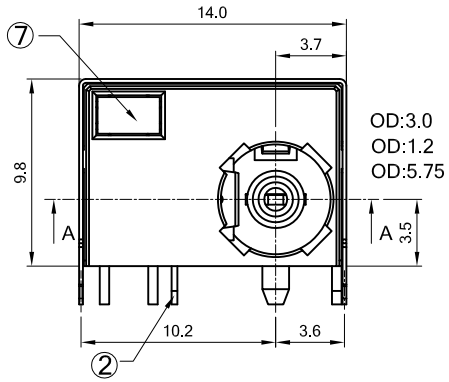
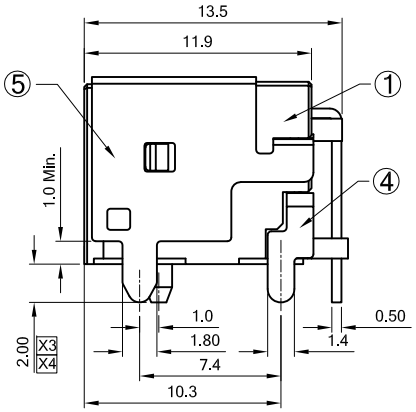
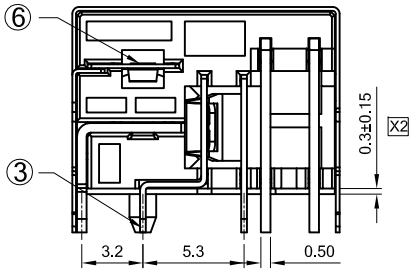
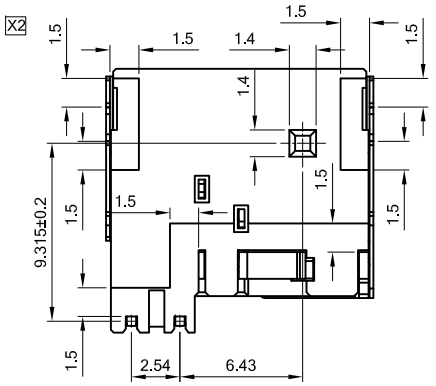
PROPRIETARY INFORMATION
COMPANY CONFIDENTIAL

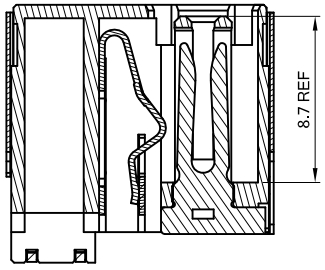






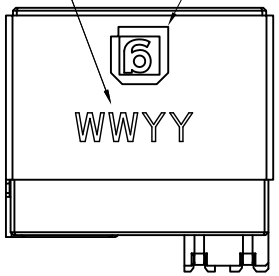
SPECIFICATION
1. VOLTAGE RATING: 24V & 5A
2. CONTACT RESISTANCE: 30 mΩ(MAX.)
3. INSULATION RESISTANCE: 100MΩ MIN. @ DC250V
4. OPERATION TEMPERATURE: -25°C~95°C
5. WITHSTAND VOLTAGE: 500VAC
6. INSERTION FORCE: 3.0kgf (MAX.)
7. EXTRACTION FORCE: 0.3kgf (MIN.)
8. LIFE TESTING: 5,000 CYCLES
9. SOLDERING PROCESS: PARTS WILL WITHSTAND 260°C/5Sec.
10. EIAJ RC-5320A COMPLIANT.
11. RoHS 6/6 COMPLIANT.





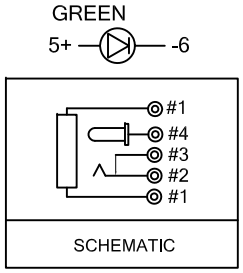
SECTION A-A

Date Code (OPTION)
WW:WEEK(01~52)
YY:YEAR(10~)
LOGO



TOP VIEW

151-10086-XX
01: TRAY(300*200mm)
02: TRAY(330*155mm) X5



LED CHARACTERISTIC

ITEMS	RATING
POWER DISSIPATION	120mW MAX.
FORWARD CURRENT(DC)	20mA MAX.
FORWARD VOLTAGE(V)	3.1V ± 0.5V
PEAK FORWARD CURRENT	100mA MAX.
REVERSE VOLTAGE	5V MAX.
DOMINANT WAVELENGTH(nm)	522±5nm TYP.
LUMINOUS INTENSITY(mcd)	55 mcd ± 35 mcd
OPERATION TEMPERATURE	-40°C TO +95°C
STORAGE TEMPERATURE	-40°C TO +100°C

ITEM	NAME	Q'TY	MATERIAL	PLATING & COLOR	NOTE
7	LED	1		GREEN	
6	EARTH TERMINAL	1	SUS, T=0.2mm	NICKEL PLATING	
5	CONTACT FOOT#1	1	BRASS, T=0.2mm	Tin 80u" MIN. OVER Ni 30u" MIN.	
4	TERMINAL #4	1	PHOSPHOR BRONZE T=0.5mm	Tin 80u" MIN. OVER Ni 30u" MIN.	
3	TERMINAL #3	1	BRASS, T=0.3mm	Tin 80u" MIN. OVER Ni 30u" MIN.	
2	TERMINAL #2	1	PHOSPHOR BRONZE T=0.3mm	Tin 80u" MIN. OVER Ni 30u" MIN.	
1	HOUSING	1	PA9T, UL94V-0	BLACK	

GENERAL TOLERANCE	ANGLE TOLERANCE
X.±0.5	X°±2°
.X±0.3	.X°±1°
.XX±0.2	.XX°±
.XXX±	.XXX°±

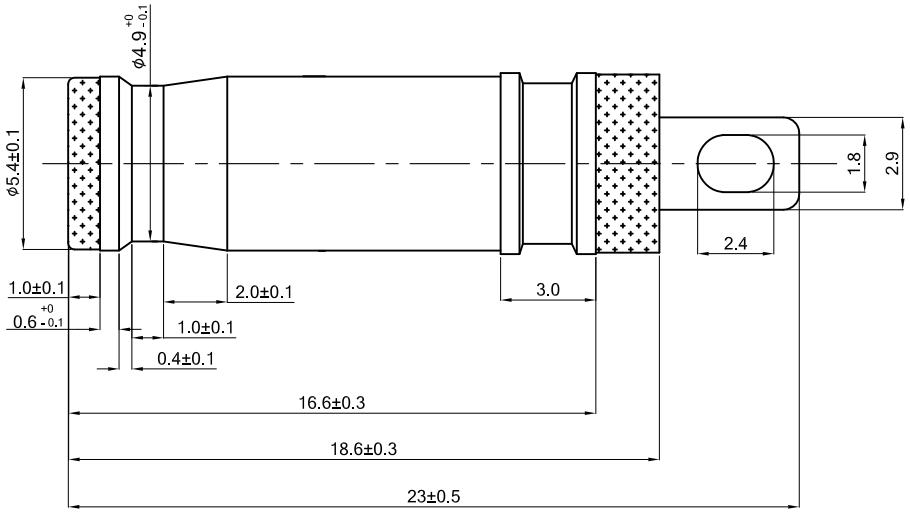
MATL SEE BOM
FINISH SEE NOTES
SCALE N/A
UNIT mm
SHEET 1 OF 2

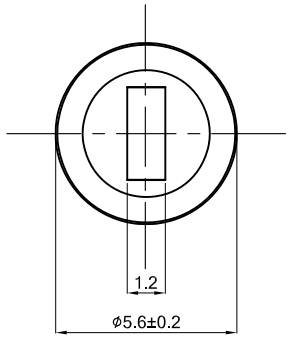
DRAWN DANIEL DATE 08/30/17'
DESIGN DATE
CHECKED DATE

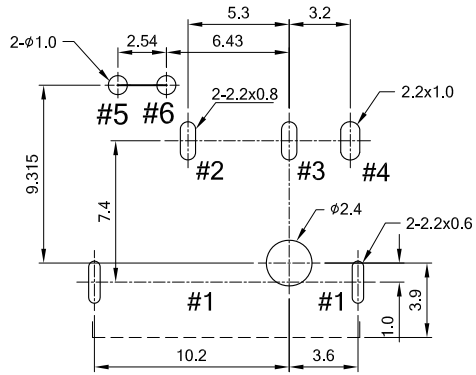
genesis connected solutions

TITLE. DC POWER JACK WITH LED
PART NUMBER. 151-10086-XX
DRAWING NO. 151-10086
SIZE A4
REV. X5

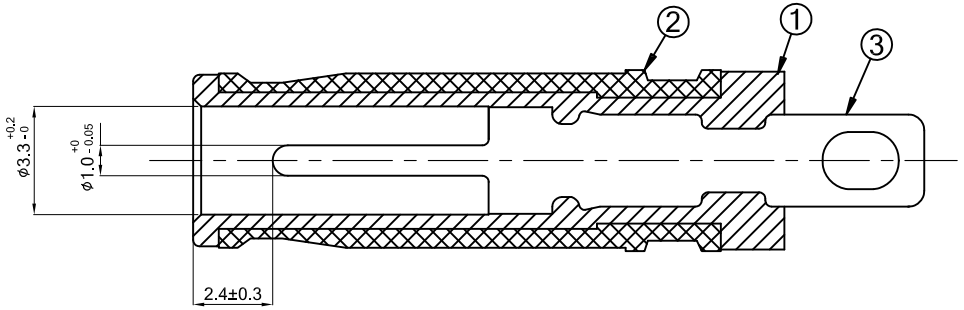
REV.	ECN. NO.	DESCRIPTION	ENG	DATE
X1		ISSUED	DANIEL	08/17/17'
X2		ADD DIM.	DANIEL	08/17/17'
X3		UPDATE DRAWING	DANIEL	08/21/17'
X4		MODIFY PIN LENGTH	DANIEL	08/24/17'
X5		ADD TRAY OPTION	DANIEL	08/30/17'







With LED Connector Recommend PCB Layout
Jack Top View
Tolerance: ±0.05mm
Recommend PCB Thickness 1.6mm



RECOMMENDED PLUG

NOTES
1. DIELECTRIC STRENGTH: AC 500V AT 1 MINUTE
2. INSULATION RESISTANCE: DC 500V/100M OHMS MIN.
3. RATED VOLTAGE: 20V DC.
4. RATED CURRENT: 8 AMPS.

ITEM	MATERIAL	Q'TY	THICKNESS	PLATING		NOTE
3	BRASS		2um MIN	NICKEL		
2	BRASS		2um MIN	NICKEL		
1	PBT			BLACK		

GENERAL TOLERANCE	>40 ±0.5 18~40 ± 0.4 6~18 ± 0.3 1~6 ± 0.2 0~1 ± 0.1
ANGLE TOLERANCE	X°± .X°± .XX°± .XXX°±
DRAWN	DANIEL
DATE	08/30/17'
DESIGN	
DATE	
CHECKED	
DATE	
APPROVED	
DATE	
MATL	SEE BOM
FINISH	SEE NOTES
SCALE	N/A
UNIT	mm
SHEET 2 OF 2	

genesis connected solutions

TITLE. DC POWER JACK WITH LED

PART NUMBER. 151-10086-XX

DRAWING NO. 151-10086

SIZE A4

REV. X5