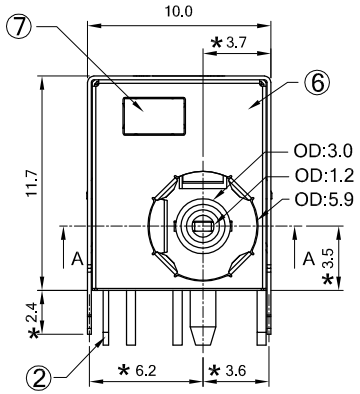
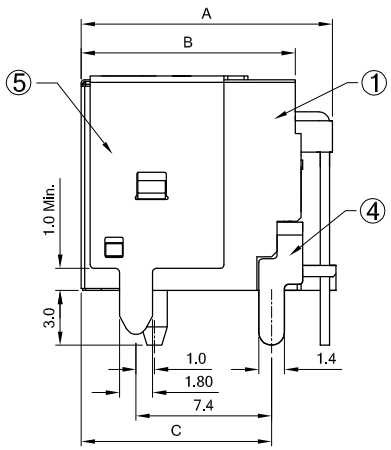
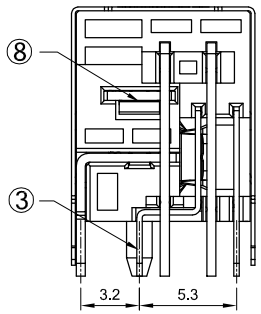
PROPRIETARY INFORMATION
COMPANY CONFIDENTIAL

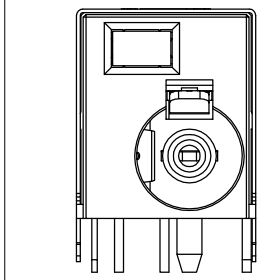
P/N	A	B	C	D
151-10055-01 151-10055-02	13.7	11.7	10.4	4.0
151-10055-03	13.6	11.6	10.3	3.9



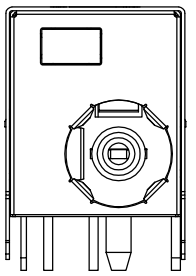




151-10055-0X
- 01: Black nickel plating for Front cover
- 02: Bright nickel plating for Front cover
- 03: Without Front cover

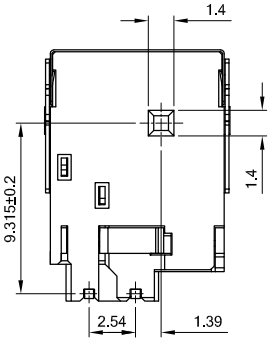


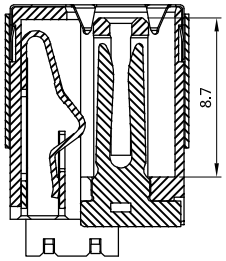
151-10055-03



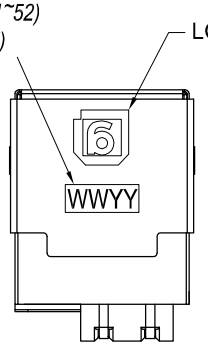
151-10055-01
151-10055-02

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

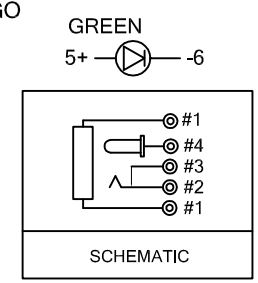




SECTION A-A



TOP VIEW



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: 1.5kgf (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.

LED CHARACTERISTIC

ITEMS	RATING
POWER DISSIPATION	120mW MAX.
FORWARD CURRENT(DC)	20mA MAX.
FORWARD VOLTAGE(V)	2.6V ± 0.5V
PEAK FORWARD CURRENT	100mA MAX.
REVERSE VOLTAGE	5V MAX.
DOMINANT WAVELENGTH(nm)	522±8nm
X2 LUMINOUS INTENSITY(mcd) (REFERENCE ONLY)	1 mcd max. @ 0.5mA
OPERATION TEMPERATURE	-40°C TO +95°C
STORAGE TEMPERATURE	-40°C TO +100°C

ITEM	NAME	Q'TY	MATERIAL	PLATING & COLOR	NOTE
8	TERMINAL #5	1	SUS, T=0.5mm		
7	LED	1		GREEN	
6	FACE SHIELDING COVER	1	SUS, T=0.1mm	SEE ORDER INFORMATION	
5	CONTACT FOOT#1	1	BRASS, T=0.2mm	Tin 120u" MIN. OVER Ni 30u" MIN.	
4	TERMINAL #4	1	PHOSPHOR BRONZE T=0.5mm	Tin 120u" MIN. OVER Ni 30u" MIN.	
3	TERMINAL #3	1	BRASS, T=0.3mm	Tin 120u" MIN. OVER Ni 30u" MIN.	
2	TERMINAL #2	1	PHOSPHOR BRONZE T=0.3mm	Tin 120u" MIN. OVER Ni 30u" MIN.	
1	HOUSING	1	PA9T, UL94V-0, BLACK	BLACK	

GENERAL TOLERANCE	ANGLE TOLERANCE
X.±0.5	X°±2°
.X±0.25	.X°±1°
.XX±0.2	.XX°±
.XXX±	.XXX°±

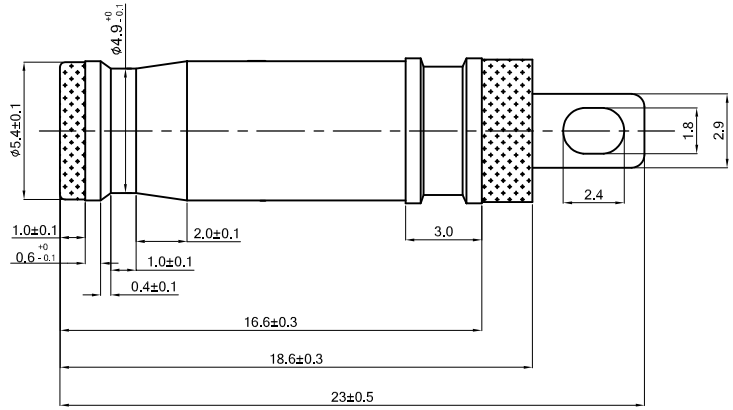
MATL SEE BOM
FINISH SEE NOTES
SCALE N/A
UNIT mm
SHEET 1 OF 2

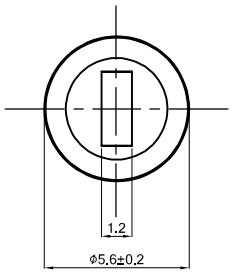
DRAWN	DANIEL	DATE 01/18'17
DESIGN	DANIEL	DATE 01/18'17
CHECKED		DATE
APPROVED		DATE

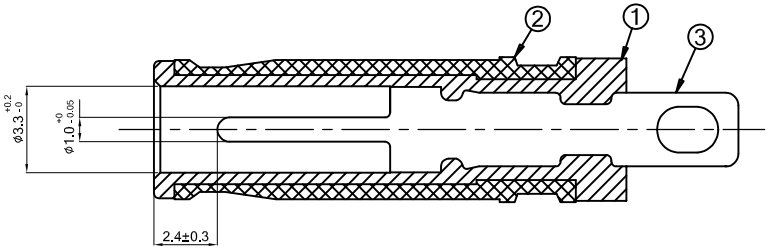
genesis connected solutions

TITLE: DC POWER JACK WITH LED
PART NUMBER: 151-10055-XX
DRAWING NO. 151-10055
SIZE A4
REV. X3

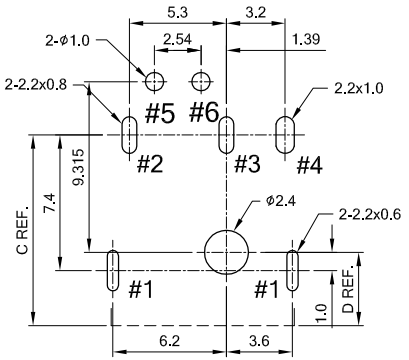
REV.	ECN. NO.	DESCRIPTION	ENG	DATE
X1		ISSUED	DANIEL	01/18/17
X2		MODIFY LED CHARACTERISTIC	DANIEL	02/08/17
X3		ADD *	DANIEL	03/01/17







RECOMMENDED PLUG



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

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	ANGLE TOLERANCE
>40 ±0.5	X°±
18~40 ± 0.4	.X°±
6~18 ± 0.3	.XX°±
1~6 ± 0.2	.XXX°±
0~1 ± 0.1	

DRAWN	DANIEL	DATE	01/18'17
DESIGN	DANIEL	DATE	01/18'17
CHECKED		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: 151-10055-XX

DRAWING NO. 151-10055

SIZE A4

REV. X3