

ORDER NO.  
ZDC1007-000111

PACKAGING  
1: BAG

HOUSING COLOR  
1: BLACK

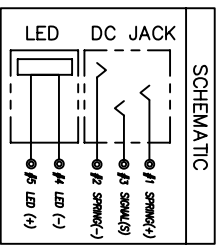
CONTACT PLATING  
1: GOLD-PLATED(5u" Min.)

MATING PLUG (TOLERANCE: ±0.05)

**SPECIFICATIONS:**

- ELECTRICAL CHARACTERISTICS:
  - 1-1. RATING: 20VDC, 10A
  - 1-2. CONTACT RESISTANCE: 20mΩ MAX.(INITIAL)
  - 1-3. JACK SHALL WITHSTAND 500 V AC BETWEEN ANY ADJACENT TERMINAL(EXCEPT LED) FOR ONE MINUTE.
  - 1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC
- MECHANICAL CHARACTERISTICS:
  - 2-1. INSERTION FORCE : 2.5 KGF MAX.
  - 2-2. WITHDRAWAL FORCE : 0.8 KGF MIN. (INITIAL)
- LIFE TEST: 5,000 CYCLES MIN.
- OTHER GENERAL SPEC. TO REFER "ZDC1007 SERIES SPEC."
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- GREEN PRODUCT IDENTIFICATION MARK ON JACK:
- GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING:
- FOR HAND SOLDERING LEAD-FREE PROCESS.
- CAUTION: DEVICES ARE CLASS 1 ESD SENSITIVE. PLEASE OBSERVE APPROPRIATE PRECAUTIONS DURING HANDLING AND PROCESSING.

LED Soldering Condition:	Peak temperature	Dwell time
Soldering Iron	350 °C Max.	3 sec Max.
		(one time only)



NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
H	BACK PLATE	1	THERMOPLASTIC UL 94V-0 (HALOGEN FREE)	BLACK
G	LED	1	InGaN Lamps	WHITE LIGHT
F	SHELL	1	SPCC-SD 0.4T	NI: 80u" Min OVER Cu: 80u" Min
E	SIGNAL	1	COPPER ALLOY	NICKEL UNDERPLATED OVER ALL,
D	SPRING(+)	1	COPPER ALLOY	GOLD 5u" Min AT CONTACT AREA
C	SPRING(-)	1	COPPER ALLOY	AND Sn100u" Min. AT WELD AREA.
B	COVER	1	THERMOPLASTIC UL 94V-0 (HALOGEN FREE)	BLACK
A	HOUSING	1		
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS:	ANGLES:
X : ±0.5	X : ±2°
X.X : ±0.3	X.X : ±1°
X.XX : ±0.2	

Singatron Enterprise Co., Ltd.  
信登企業股份有限公司

TITLE: DC POWER JACK + LED

DWN: Sg20090608 PART NO. ZDC1007-000111

CHKD: Qun SCALE: 4:1 UNIT: mm

APVD: Lussen SIZE: A3 SHEET: 1 OF 1 REV: G

CUSTOMER COPY

REV.	ECN NO.	OR DESCRIPTION	REVISED	DATE
E	ECN NO. T090012		Sky	2009.03.09
F	ECN NO. S090428		Sky	2009.04.27
G	ECN NO. S090526		Sky	2009.06.03