



WIRE DIAGRAM		
CONNECTOR	WIRE COLOR	DC POWER JACK
POS.1		N/A
POS.2	RED (26AWG)	
POS.3	RED (26AWG)	
POS.4	RED (26AWG)	SPRING (+)
POS.5	RED (26AWG)	(#1)
POS.6	BLACK (26AWG)	
POS.7	BLACK (26AWG)	
POS.8	BLAVK (26AWG)	SPRING (-)
POS.9	BLAVK (26AWG)	(#2)
POS.10	BLUE (26AWG)	SIGNAL (S)
POS.11		N/A

	DC JACK	HOUSING	CABLE
RATING VOLTAGE (V)	20V	50V	20V
RATING CURRENT (A)	1.3A	3A Per Pin	12A
OPERATION TEMPERATURE RANGE (°C)	-10 ~ 85	-25 ~ 85	105
插入力 (KG)		3.0 MAX.	
拔出力 (KG)		0.4 MIN.	

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
B	ECN NO:S160616-R	Springwu	2016.08.20
C	ECN NO:S181114-C	Jie	2018.11.06

- SPECIFICATIONS:
- DC POWER JACK AND WIRE SPEC:
    - 1-1.RATING:20V/12A;
    - 1-2.CONTACT RESISTANCE:30mΩ MAX.(INITIAL)(ONLY FOR DC JACK);
    - 1-3.CONTACT RESISTANCE:20mΩ MAX.(INITIAL)(ONLY FOR HOUSING);
    - 1-4.CONTACT RESISTANCE:10mΩ MAX.(INITIAL)(ONLY FOR CABLE);
    - 1-5.DIELECTRIC WITHSTANDING VOLTAGE:500V AC FOR ONE MINUTR.
    - 1-6.INSULATION RESISTANCE:100MΩ MIN. MEASURED BY 500V DC.
  - MECHANICAL CHARACTERISTICS:
    - 2-1. INSERTION FORCE : 3.0 KGF Max.
    - 2-2. WITHDRAWAL FORCE : 0.40 KGF Min.
  - LIFE TEST: 5,000 CYCLES MIN.
  - OTHER GENERAL SPEC. TO REFER "2DW2018-018111F SPEC".
  - TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
  - HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK: Ⓞ
  - HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: ♻️
  - FOR HAND SOLDERING LEAD-FREE PROCESS.
  - THE PANEL'S ID MUST BE GREATER THAN THE PLUG'S OD WHICH MUST HAVE A DIFFERENCE OF LESS THAN OR EQUAL TO 0.5 mm.(AS SHOWN IN FIGURE 1.)

M	ADHESIVE TAPE	1	L15*W8	WHITE
L	HEAT SHRINK TUBE	1	FOLYOLIFEN φ10(125' 300V)	BLACK
K	PPID LABEL	1	9.5*9.5	WHITE
J	LABEL	1	L28*W10	WHITE
I	ADHESIVE TAPE	1	5*6	WHITE
H	ACETATE FABRIC	4	T:0.12	BLACK
G	CORE	1	Mode: NiMoZn-600 Size: 7.5*5.3*8 Manufacturer: SINCORES ELECTRONICS(D.G)CORP	BLACK
F	HEAT SHRINK TUBE	3	POLYOLEFIN (125' 300V)	BLACK
E	WIRE	1	UL10368 26AWG	BLUE
D	WIRE	4	UL10368 26AWG	BLACK
C	WIRE	4	UL10368 26AWG	RED
B	CONNECTOR (TYU_T1502 SERIES)	9	TER:COPPER ALLOY HSG:THERMOPLASTIC UL94V-0	GOLD FLASH WHITE
A	DC JACK	1	SINGATRON DC JACK P/N:2DC2018-006111F	
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES		Singatron Enterprise Co., Ltd. 信音企業股份有限公司		
DECIMALS: ANGLES:		TITLE		
X :±0.5	X :±2°	DC JACK WITH WIRE		
X.X :±0.3	X.X :±1°	DWN	Jie	PART NO.2DW2018-018111F
X.XX :±0.2		CHKD		SCALE:-- UNIT: mm
		APVD		SIZE: A3 SHEET:1 OF 1 REV:C
CUSTOMER COPY				