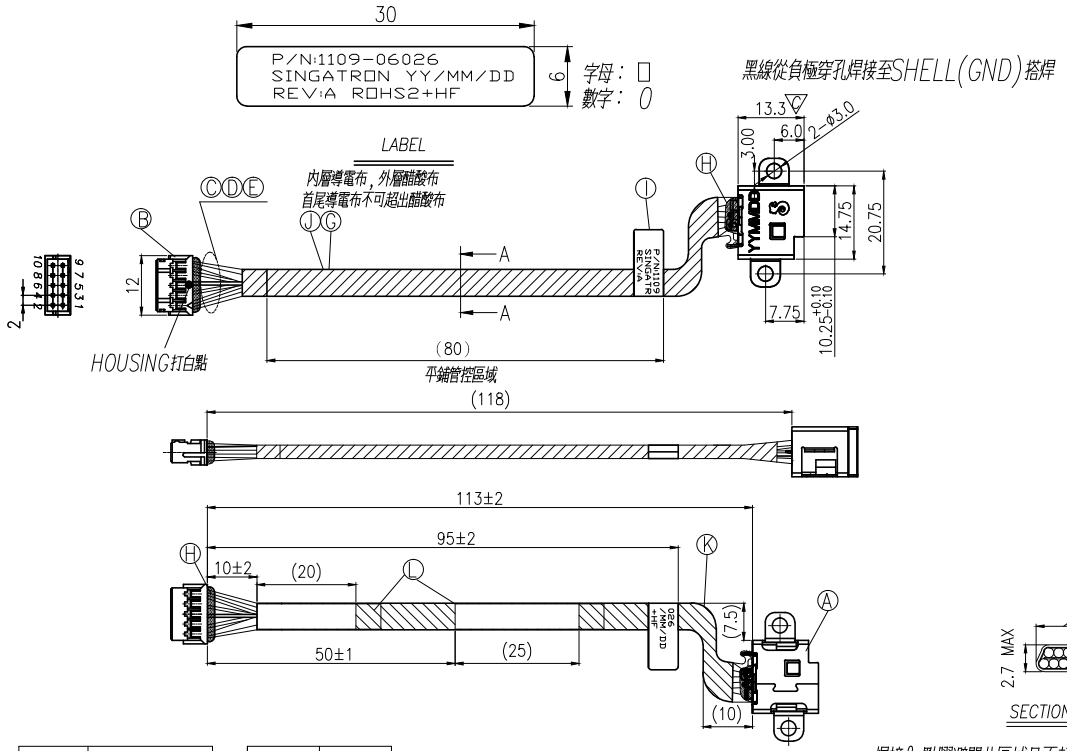
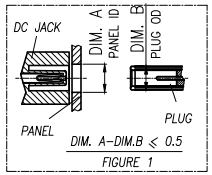
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO.:T210625-2A	Jie	2022.7.5

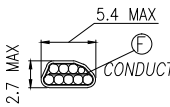


SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
   - 1-1. RATING:20V 11.5A
   - 1-2. CONTACT RESISTANCE:30mΩ MAX.(INITIAL)(ONLY FOR DC JACK)
   - 1-3. DIELECTRIC WITHSTANDING VOLTAGE:500V AC FOR ONE MINUTE.
   - 1-4. INSULATION RESISTANCE:100M MIN. MEASURED BY 500V DC.
2. MECHANICAL CHARACTERISTICS:
   - 2-1. INSERTION FORCE:3.0 Kgf MAX.
   - 2-2. WITHDRAWAL FORCE:0.8 Kgf MIN. (INITIAL)
3. LIFE TEST:5000 CYCLES MIN.
4. OTHER GENERAL SPEC. REFER TO "2DW3007-292111F SPEC.".
5. CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK:
7. HALOGEN FREE PRODUCT IDENTIFICATION LOGO ON PACKAGING:
8. PRINTED DATE CODE"YYMMDD" ON TOP OF JACK.

YY: YEAR
MM: MONTH
DD: DAY

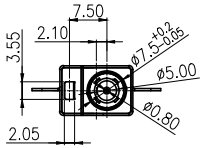


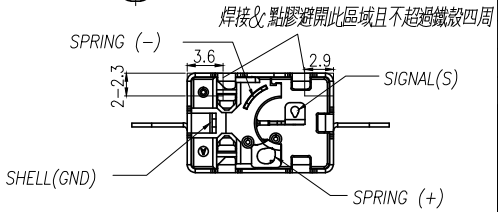


SECTION A-A

PIN 1	SIGNAL
PIN 3	GND(-)
PIN 5	GND(-)
PIN 7	VCC(+)
PIN 9	VCC(+)

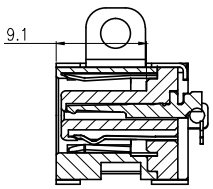
N/A	PIN 2
GND(-)	PIN 4
GND(-)	PIN 6
VCC(+)	PIN 8
VCC(+)	PIN 10



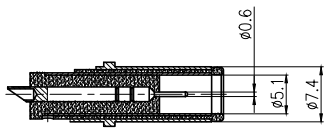


SCALE 2:1

WIRE DIAGRAM		
CONNECTOR	WIRE COLOR	DC POWER JACK
POS.(7,8,9,10)	GRAY	SPRING (+)
POS.(3,4,5,6)	BLACK	SPRING (-)
POS.(2)	N/A	N/A
POS.(1)	BROWN	SIGNAL (S)



Mating Depth with Plug



MATING PLUG (TOLERANCE:±0.05)

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
L	ADHESIVE TAPE	2	3M T0.17 L20&L25	BLUE
K	ACETATE TAPE	1	T0.12	BLACK
J	CONDUCTIVE ADHESIVE TAPE	1	T0.11 沖型導電布	GRAY
I	LABEL	1	L30*W6	BLACK
H	UV GLUE	N/A	8860	WHITE
G	ACETATE CLOTH TAPE	1	T0.12 沖型醋酸布	BLACK
F	ADHESIVE TAPE	1	ADHESIVE TAPE T0.1	TRANSPARENT
E	WIRE	4	UL10064 24AWG	BLACK
D	WIRE	1	UL10064 28AWG	BROWN
C	WIRE	4	UL10064 24AWG	GRAY
B	CONNECTOR (WJCT 399XX SERIES)	9	TERMINAL:PHOSPHOR	TIN-PLATED
		1	HOUSING:NYLON66 UL94-0	BLACK
A	DC POWER JACK	1	SINGATRON DC JACK P/N:2DC3007-208111F	

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: X :±0.5 X.X :±0.3 X.XX :±0.2

ANGLES: X :±2° X.X :±1°

Singatron Enterprise Co., Ltd.
信音企業股份有限公司

TITLE	DC POWER JACK WITH WIRE HARNESS		
DWN	Jie	PART NO.2DW3007-292111F	
CHKD	Lussen	SCALE:--	UNIT: mm
APVD	Liao	SIZE: A3	SHEET:1 OF 1 REV:A

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