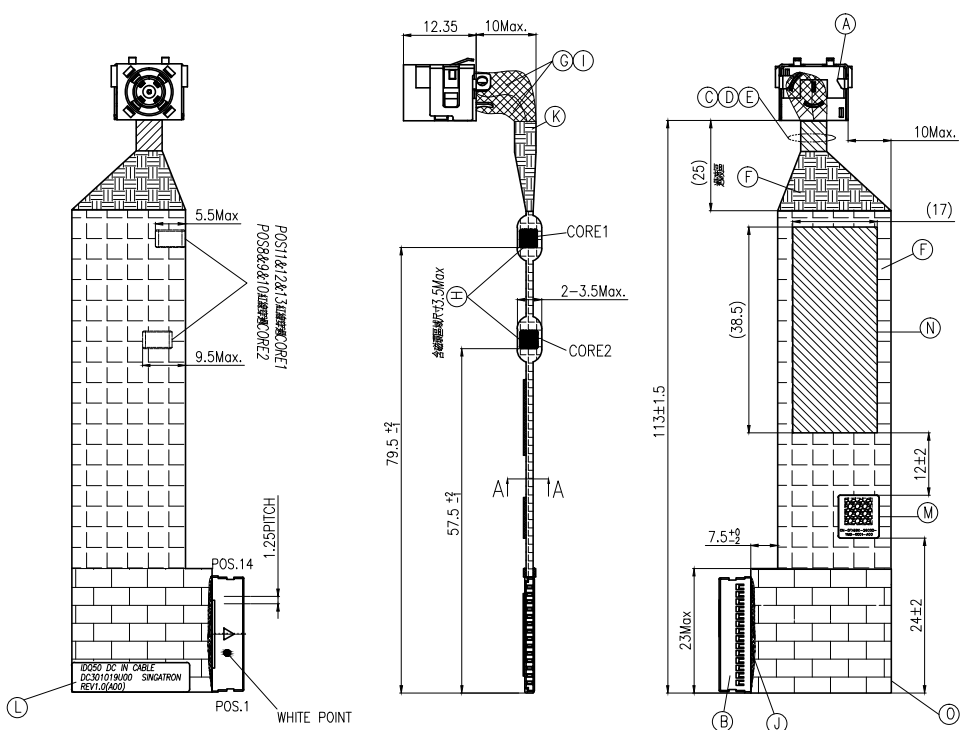


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO: T220309-4A	Kesheng	2023.09.05
B	ECN NO: S202312-C04	Yizhou	2024.01.15



SPECIFICATIONS:

1.ELECTRICAL CHARACTERISTICS:

1-1.RATING: 20V 16.5A  
1-2.DIELECTRIC WITHSTANDING VOLTAGE:150V AC FOR ONE MINUTE.  
1-3.INSULATION RESISTANCE:100M MIN. MEASURED BY 150V DC.

2.MECHANICAL CHARACTERISTICS:

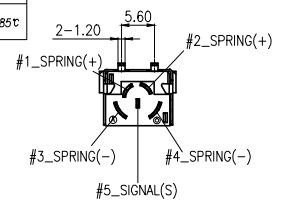
2-1. INSERTION FORCE :2.0 KG MAX.  
2-2. WITHDRAWAL FORCE : 0.7~2.0 KG F  
LIFE TEST AFTER:  
2-1. INSERTION FORCE : 2.0 KG MAX.  
2-2. WITHDRAWAL FORCE : 0.5~2.0 KG F  
3.LIFE TEST:15000 CYCLES MIN.

4.DCIN JACK HEAT TUBE LENGTH MAX 13mm AND WELDING SOLDER LENGTH MAX 4mm.  
5.OTHER GENERAL SPEC. TO REFER "2DW2018-057111F SPEC".  
6.TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.  
7.HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK:  
8.HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:  
9.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.)

ITEMS	DC JACK	CONNECTOR (PER PIN)	WIRE (PER PIN)	CABLE
RATING VOLTAGE (V)	20V	36V	30V	20V
RATING CURRENT (A)	17A	5A	6A(24AWG)	16.5A
OPERATION TEMPERATURE RANGE(°C)	-40~+85°C	-40~+105°C	105°C	-40~+85°C

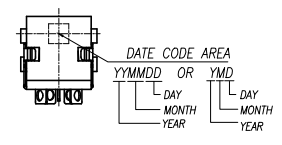
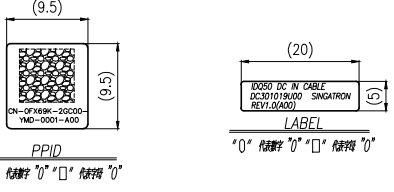
DC-IN JACK	CONTACT RESISTANCE SPECIFICATION	
	INITIAL VALUE	AFTER LIFE TEST
CONNECTOR	(+)PIN_TOTAL:<30mΩ (-)PIN_TOTAL:<30mΩ	(+)PIN_TOTAL:<50 mΩ (-)PIN_TOTAL:<50 mΩ
	(+)PIN_TOTAL:<100mΩ (-)PIN_TOTAL:<100mΩ	(+)PIN_TOTAL:<120 mΩ (-)PIN_TOTAL:<120 mΩ
CABLE TOTAL	130mΩ MAX.	170mΩ MAX.

(+)R=[(94.2ohm/KM\*(125)mm/1000000)]/(6)Parallel=1.963mohm.  
(-)R=[(94.2ohm/KM\*(125)mm/1000000)]/(6)Parallel=1.963mohm.  
(S)R=[(150ohm/KM\*(125)mm/1000000)]=18.75mohm.



WIRING DIAGRAM				
CONNECTOR	WIRE TO BOARD	CABLE TYPE/ANG#	WIRE COLOR	DC JACK SIGNAL(S)
POS.1	PSID(S)	UL10064 24#	BROWN	
POS.2	GND(-)	UL10064 24#	BLACK	
POS.3	GND(-)	UL10064 24#	BLACK	
POS.4	GND(-)	UL10064 24#	BLACK	
POS.5	GND(-)	UL10064 24#	BLACK	
POS.6	GND(-)	UL10064 24#	BLACK	
POS.7	GND(-)	UL10064 24#	BLACK	
POS.8	ADPIN(+)	UL10064 24#	RED	
POS.9	ADPIN(+)	UL10064 24#	RED	
POS.10	ADPIN(+)	UL10064 24#	RED	
POS.11	ADPIN(+)	UL10064 24#	RED	
POS.12	ADPIN(+)	UL10064 24#	RED	
POS.13	ADPIN(+)	UL10064 24#	RED	
POS.14	N/A	N/A	N/A	N/A

O	ACETATE TAPE	1	冲型醋酸布	BLACK
N	ADHESIVE TAPE	1	双面胶	YELLOW
M	PPID	1	9.5L*9.5W	WHITE
L	LABEL	1	20L*5W	WHITE
K	ACETATE CLOTH TAPE	1	70.12	BLACK
J	UV GLUE	N/A	8860	WHITE
I	HEAT SHRINK TUBE	1	∅2.5 (125° 300V)	BLACK
H	CORE	2	5L*3W*3H	BLACK
G	HEAT SHRINK TUBE	4	∅4.0 (125° 300V)	BLACK
F	ACETATE TAPE	1	冲型醋酸布	BLACK
E	WIRE 昆山兴鸿蒙电子有限公司	1	10064 FEP(E2)-105/TX,TY,TN/FEP 30V 0.051-1.31	BROWN
D	WIRE 昆山兴鸿蒙电子有限公司	6	10064 FEP(E2)-105/TX,TY,TN/FEP 30V 0.051-1.31	BLACK
C	WIRE 昆山兴鸿蒙电子有限公司	6	10064 FEP(E2)-105/TX,TY,TN/FEP 30V 0.051-1.31	RED
B	CONNECTOR	13	TER:125021GJ001G200G2	Au-PLATED
A	DC POWER JACK	1	HSG:125021GJ014NT03Z8	BLACK



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:				
X	:±0.5	X	:±2°	
X.X	:±0.3	X.X	:±1°	
X.XX	:±0.2			
TITLE: DC POWER JACK WITH WIRE				
DWN	Yizhou	PART NO.	2DW2018-057111F	
CHKD	Boye	SCALE:--	UNIT: mm	
APVD	Liao	SIZE: A3	SHEET:1 OF 1	REV: B
CUSTOMER COPY				