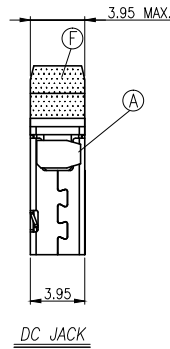
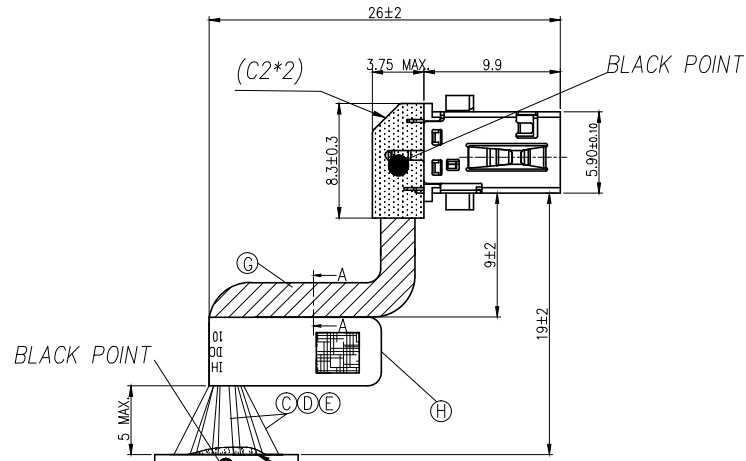
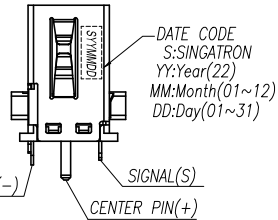
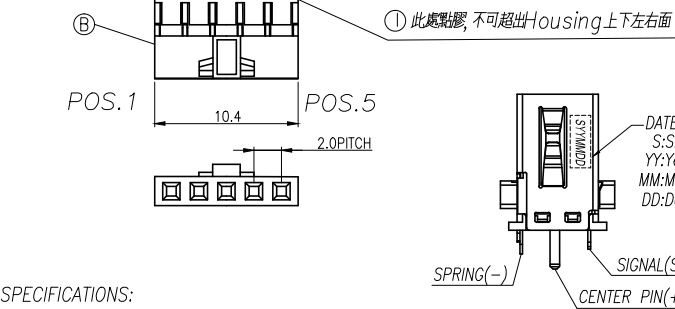
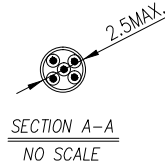


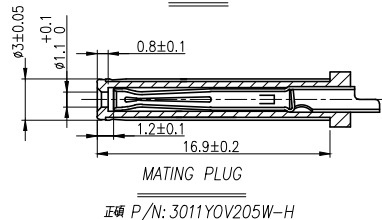
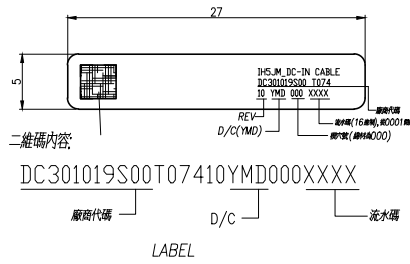
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO.:T220411-5A	Jie	2022.10.10



DC JACK



WIRE DIAGRAM		
CONNECTOR(A)	WIRE COLOR	CONNECTOR
CENTER PIN(+)	RED	POS.(4&5)
SPRING(-)	BLACK	POS.(2&3)
SIGNAL(S)	WHITE	POS.(1)



	DC POWER JACK	HOUSING	WIRE	CABLE ASSY.
VOLTAGE RATING	20V	36V	30V	20V
CURRENT RATING	5A	3.0A Per Pin	3.74A (Single #26AWG)	3.5A
OPERATION TEMPERATURE RANGE(°C)	-10°C ~ +85°C	-25°C ~ +80°C	105°C	-10°C ~ +85°C

	CONTACT RESISTANCE SPECIFICATION	
	INITIAL VALUE	AFTER LIFE TEST
DC-IN JACK	(+)PIN_TOTAL: <20mΩ (-)PIN_TOTAL: <20mΩ (S)PIN_TOTAL: <20mΩ	(+)PIN_TOTAL: <50mΩ (-)PIN_TOTAL: <50mΩ (S)PIN_TOTAL: <50mΩ
HOUSING	(+)PIN_PER_PIN: <10 mΩ (-)PIN_PER_PIN: <10 mΩ (S)PIN_PER_PIN: <10 mΩ	(+)PIN_PER_PIN: <35 mΩ (-)PIN_PER_PIN: <35 mΩ (S)PIN_PER_PIN: <35 mΩ
CABLE	35mΩ MAX.	95 mΩ MAX.

(+)R=[(150)ohm/KM*(37)mm/1000000]/(2)Parallel=2.77mohm.
 (-)R=[(150)ohm/KM*(37)mm/1000000]/(2)Parallel=2.77mohm.
 (S)R=(150)ohm/KM*(37)mm/1000000=5.55mohm.

SPECIFICATIONS:

- DC POEWR JACK ADD WIRE AND WIRE TO BOARD CONNECTOR
 1-1.RATING: 20V/3.5A.
 1-2.TEMPERATURE RISE : THE TEMPERATURE RISE SHALL NOT EXCEED 30°C.
 1-3.VOLTAGE DROP : THE VOLTAGE DROP SHALL NOT EXCEED 60mV.
- DC POEWR JACK- p/n: 2DC3127-000111F
 2-1.RATING: 20V/5A.
 2-2.CONTACT RESISTANCE:20mΩ MAX.(INITIAL) /30mΩ MAX.(AFTER LIFE TEST).
 2-3.DIELECTRIC WITHSTANDING VOLTAGE:500V AC FOR ONE MINUTE.
 2-4.INSULATION RESISTANCE:100MΩ MIN. MEASURED BY 500V DC.
 2-5.INSERTION FORCE: PLEASE REFER TO 2DC3127-000111F.
 2-6.WITHDRAWAL FORCE: PLEASE REFER TO 2DC3127-000111F.
 2-7.LIFE TEST:5000 CYCLES MIN.
- WIRE TO BOARD CONNECTOR - VENDER : ACES , p/n: 50303.
 3-1.RATING CURRENT : 3A /PER PIN (AWG 26)
- OTHER GENERAL SPEC. TO REFER "2DW3127-039111F SPEC".
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT:
- HALOGEN FREE PRODUCT IDENTIFICATION LOGO ON PACKAGING:
- PRINTED DATE CODE "YYMMDD" ON TOP OF CONNECTOR.
 DATE CODE: YYMMDD (YY:YEAR MM:MONTH DD:DAY)

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
I	UV GLUE	/	8860	TRANSPARENT
H	LABEL	1	L27*W5	WHITE
G	ACETATE TAPE	1	W10	BLACK
F	MACROMELT	/	MACROMELT 6208	AMBER
E	WIRE	1	UL10064 26AWG	WHITE
D	WIRE	2	UL10064 26AWG	BLACK
C	WIRE	2	UL10064 26AWG	RED
B	CONNECTOR: ACES 88301-W-□ ACES 50303-005HQH0001	5	COPPER ALLOY	GOLD FLASH
		1	NYLON66 UL94V-0	WHITE
A	DC POWER JACK	1	P/N:2DC3127-000111F	BLACK

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 POWER JACK WITH WIRE	
X.X : ±0.3	X.X : ±1°	DWN	Jie
X.XX : ±0.2		CHKD	Lussen
		APVD	Liao
		PART NO.2DW3127-039111F SCALE:-- UNIT: mm SIZE: A3 SHEET:1 OF 1	
		REV: A	

CUSTOMER COPY