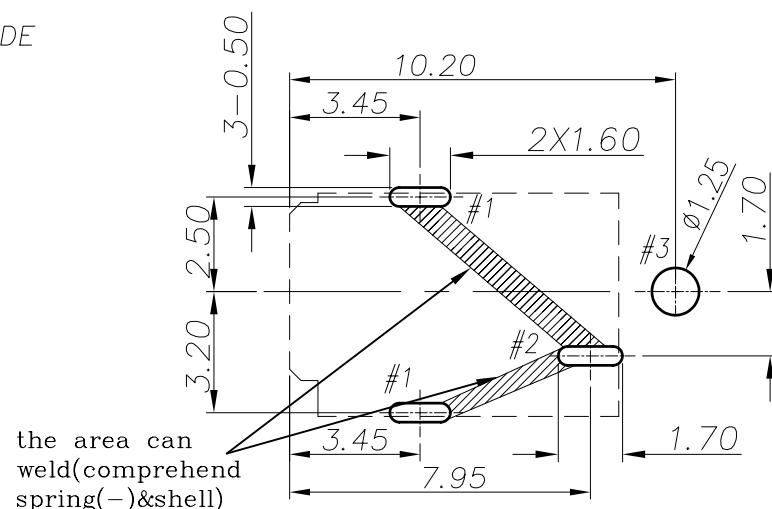
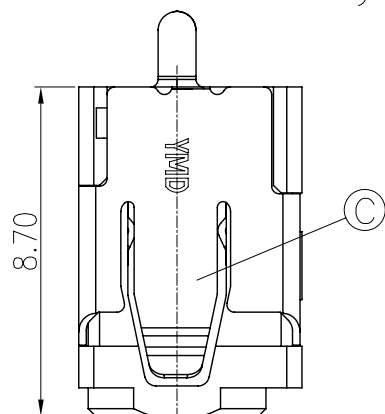


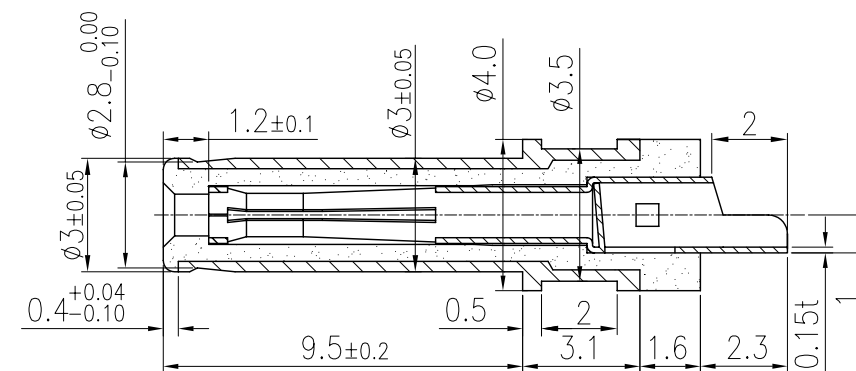
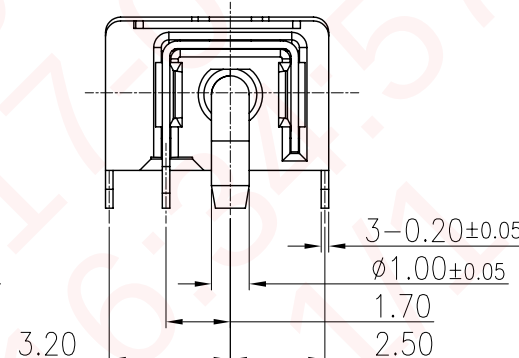
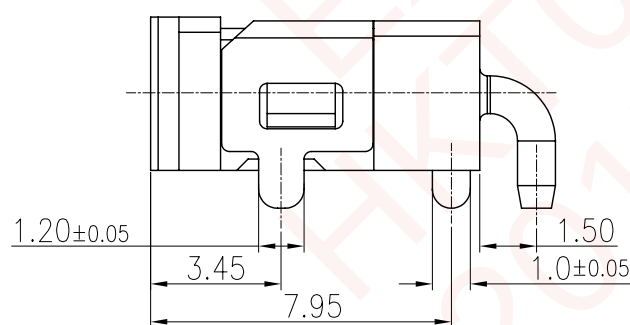
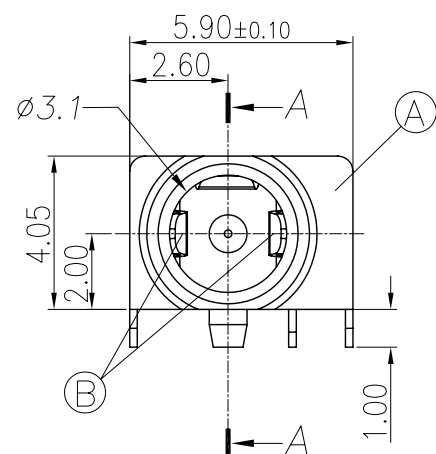
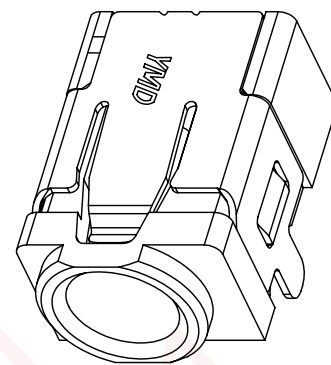
DATE CODE
Y:Year
M:Month
D:Day



```
the area can
weld(comprehend
spring(-)&shell)
```

RECOMMENDED PCB LAYOUT

TOP VIEW(TOLERANCE: ± 0.05)



ø3.0 PULG TYPE(2DP-0053-K02)

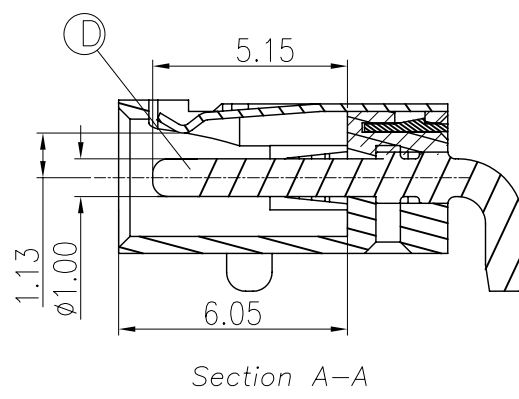
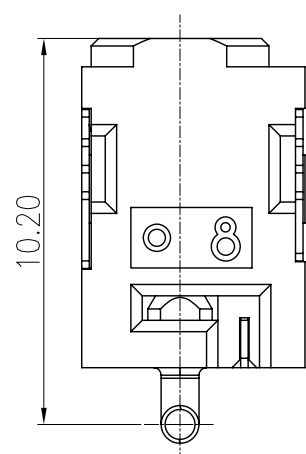


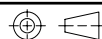
Diagram illustrating three types of connections:

- #1 SHELL ("-")
- #2 SPRING ("-")
- #3 PIN ("+")

ELECTRICAL CIRCUIT

SPECIFICATIONS:

1. RATING: DC 19V 3.5A
2. INSERTION FORCE: 0.6KG~2.0KG
WITHDRAWAL FORCE: 0.4KG~2.0KG
3. INSULATION RESISTANCE BETWEEN ANY
ADJACENT TERMINALS SHALL NOT BE LESS
THAN 100 MEGOHMS BY 500 VOLTS MEGGER.
4. JACK SHALL WITHSTAND 500 VOLTS BETWEEN ANY ADJACENT
TERMINAL FOR ONE MINUTE.
5. CONTACT RESISTANCE SHALL NOT EXCEED 30m Ω
6. JACK SHALL WITHSTAND 10000 CYCLES OF INSERTION AND
WITHDRAWAL WITH TESTING PLUG, AND CONTACT RESISTANCE
SHALL NOT EXCEED 60m Ω
7. ENVIRONMENTAL SPECIFICATIONS:
 - 7.1 HUMIDITY TEST: HUMIDITY 90% TO 95% TEMPERATURE
40°C $\pm$ 2°C FOR 96 HOURS.
 - 7.2 HEAT TEST: TEMPERATURE 70°C $\pm$ 2°C (HUMIDITY BELOW
50%) FOR 96 HOURS.
 - 7.3 COLD TEST: TEMPERATURE -40°C $\pm$ 2°C FOR 96 HOURS.
8. OTHER SPEC TO REFER 2DC-0053-K31F SPEC.
9. PACKING: TAPE & REEL
10. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
11. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT: 
12. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING: 

D	PIN	1	BRASS BAR	GOLD FLASH			
C	SHELL	1	COPPER ALLOY 0.2t	GOLD FLASH ON CONTACT AREA AND SOLDER AREA ,OVER Ni 60u" MIN.			
B	SPRING	1	COPPER ALLOY 0.2t				
A	BODY	1	PA10T+30%GF UL94V-0	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:			TITLE	DC JACK			
X	:±0.5	X :±2°	DWN	Haijin-Wang 17/05/17	PART NO. 2DC-0053-K31F		
X.X	:±0.3	X.X :±1°	CHKD	Stone-Zhu 17/05/17	SCALE 5:1	UNIT: mm	
X.XX	:±0.2		APVD	Zjz-Zhou 17/05/17	SIZE: A3	SHEET: 10F1	REV: B
CUSTOMER COPY							