

REV.	SPECIFICATION	ECN NO.	APPD.
X4		ECN260415	

**Material and Plating:**

Housing: LCP, UL94V-0, BLACK.  
 Power Contacts: High Conductivity Copper.  
 30u"Au+Pd/Ni on Contact Area and 80u" Min Tin Plated on Solder Tail over Nickel 50u" Min .  
 Signal Contacts: High Conductivity Copper,  
 30u"Au+Pd/Ni on Contact Area and 80u" Min Tin Plated on Solder Tail over Nickel 50u" Min .

**Electrical Characteristics:**

Current Rating: Signal Pin 1.8 A.  
 Power Pin: 120A(P1,P2)(2oz x 10).  
 30A(P3~P7)(2oz x 10).

**Dielectric Withstanding Voltage:**

Signal Pin DC 1000V For 1 minute.  
 Power Pin DC 2500V For 1 minute(P1~P2).  
 Power Pin DC 1000V For 1 minute(P3~P7).

**Insulator Resistance:** Signal Pin 500MΩ min.

Power Pin 1000MΩ min.

**Contact Resistance:** Signal Pin 30mΩ max.

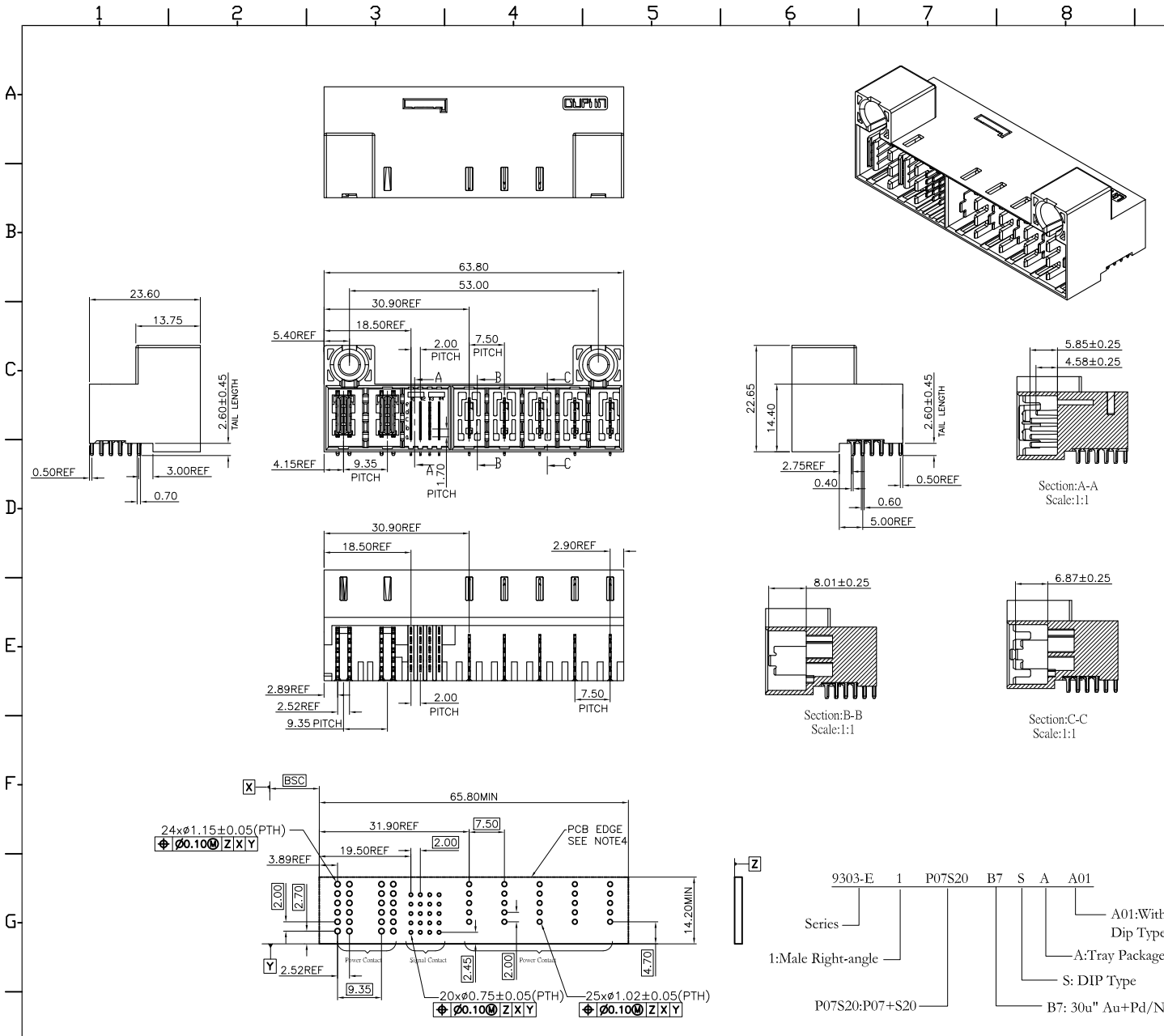
Power Pin 0.7mΩ max(P1~P2).  
 Power Pin 1.5mΩ max(P3~P7).

**Operating Temperature:** -40°C ~+125°C .

**\*RoHS & HF Compliant**

**Notes 1 :**

- 1.P3 Power Contact is 8.01mm.
- 2.P4~P7 Power Contact is 6.87mm.
- 3.E1-E4 Contact Length is 4.58mm,Other Pin Contact Length is 5.85mm.



ROWS	HIGH POWER		SIGNAL				LOW POWER				
	P1	P2	1	2	3	4	P3	P4	P5	P6	P7
E	MS	MS	E	E	E	E	LF	LS	LS	LS	LS
D			H	H	H	H					
C			H	H	H	H					
B			H	H	H	H					
A			H	H	H	H					

SIGNAL PIN CONTACT LENGTH 5.85mm	H
SIGNAL PIN CONTACT LENGTH 4.58mm	E
HOT PLUG POWER CONTACT,STD	MS
LOWER POWER CONTACT,STD	LS
LOWER POWER CONTACT,MFBL	LF

P.C.Board Layout  
(Tolerance:±0.05)

Tolerances	Dwg. No.	9303-DP02S20P05-001		Title:	
x = ±1	Projection	⊕ ↗		9303-E Series PwrSword® ULTRA Pro Male Right-angle Dip Type	
.x = ±0.5	Unit	mm	Scale		1:1
.xx = ±0.25	Drawn By	XS 04/04'26			

**OUPIN**  
**OUPIN ELECTRONIC(KUNSHAN) CO., LTD.**  
**P/N: 9303-E1P07S20B7SA01**

SHEET	1/1	Ver. No.	X4
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