



# RJ-45 MODULAR JACK FOR FAST ETHERNET

## 100BASE-TX

### 2x6 PORT

## Networking Components

### FEATURES

- **COST SAVING**
  - REDUCE PCB SPACE
  - SAVE INVENTORY AND ASSEMBLY COST
- **IMPROVE EMI PERFORMANCE**
  - REDUCE THE OVERALL LENGTH OF SIGNAL PATH ON PCB AND LOWER NOISE LEVEL
- **INTEGRATED HIGH VOLTAGE CAPACITOR TO CHASSIS GROUND**
- **MEET IEEE 802.3 STANDARDS AND FCC MECHANICAL REQUIREMENTS**

(EX.) 

RJS-	12	A	A	08	T	08	9	H
A	B	C	*	D	E	F	G	H

**A: 100 BASE-TX**  
**B: NUMBER OF PORT**  
 12=12 PORTS  
**C: CIRCUIT TYPE**  
 A~..... (SEE CIRCUIT SCHEMATICS)  
**\*: TURNS RATIO (TX/RX)**  
 A=1:1 / 1:1      E=1:1.25 / 1:1  
 B=1:1.414 / 1:1      F=1.414:1 / 1:1  
 C=1:2 / 1:1      G=1.25:1 / 1:1  
 D=2:1 / 1:1  
**D: CONNECTOR OUTPUT PIN NUMBER**  
**E: T=THROUGH HOLE**  
**S=SURFACE MOUNT**  
**F: CONNECTOR INPUT PIN NUMBER**  
**G: CONTACT PLATING**  
 OPTIONAL GOLD PLATING  
 9=30u" ON CONTACT AREA  
**H: MECHANICAL & CONSTRUCTIONS TYPES**

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### ELECTRICAL CHARACTERISTICS @25°C

Model	Insertion Loss	Return Loss			Cross Talk	CMRR	Turns Ratio
	TX/RX (dB Max)	TX/RX (dB Min)			TX/RX (dB Min)	TX/RX (dB Min)	TX/RX (±5%)
	1~100 MHz	1~30	30~60	60~80	1~100 MHz	1~100 MHz	
RJS-12A08T109A	1.0 / 1.0	20 / 20	15 / 17	11 / 15	30	30	1:1 / 1:1
RJS-12AA08T089H	1.0 / 1.0	20 / 20	12 / 12	10 / 10	30	30	1:1 / 1:1

### DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEI SAN INDUSTRIAL ZONE, TAOYUAN SHIEN, TAIWAN, R.O.C.  
 TEL: 886-3-3591968; FAX: 886-3-3591991  
[Http://www.delta.com/products/networking](http://www.delta.com/products/networking)

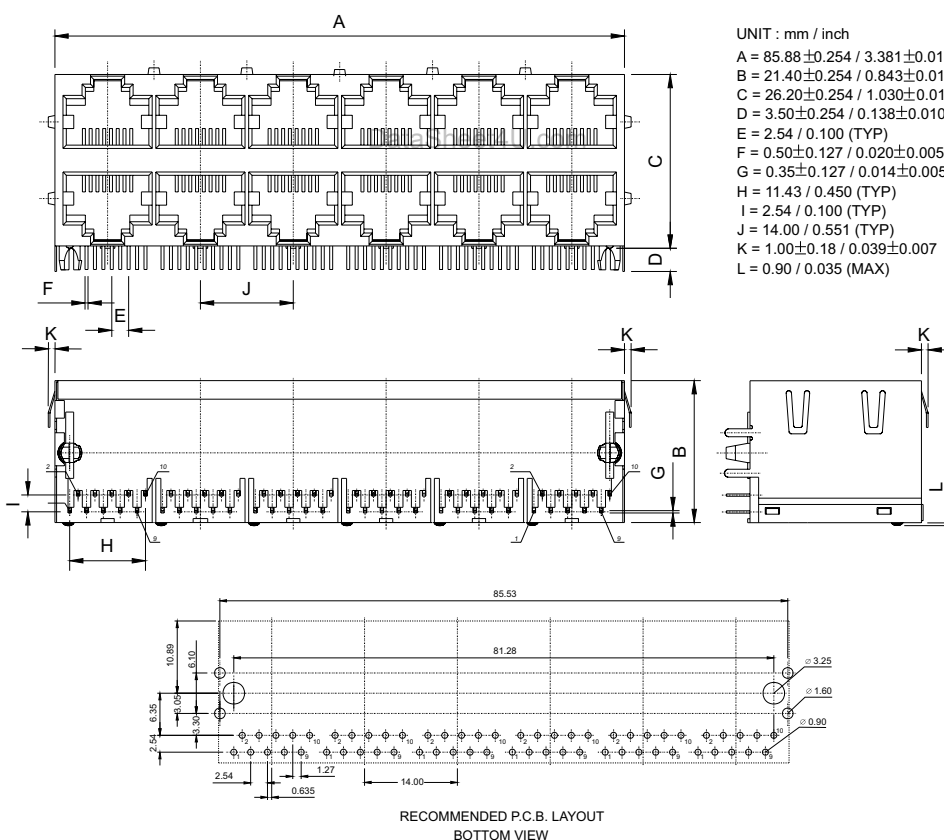
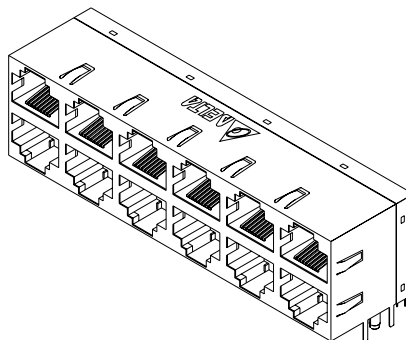


# RJ-45 MODULAR JACK FOR FAST ETHERNET 100BASE-TX 2x6 (TYPE A)

## Networking Components

### MECHANICAL CONSTRUCTION

RJS-12A08T109A



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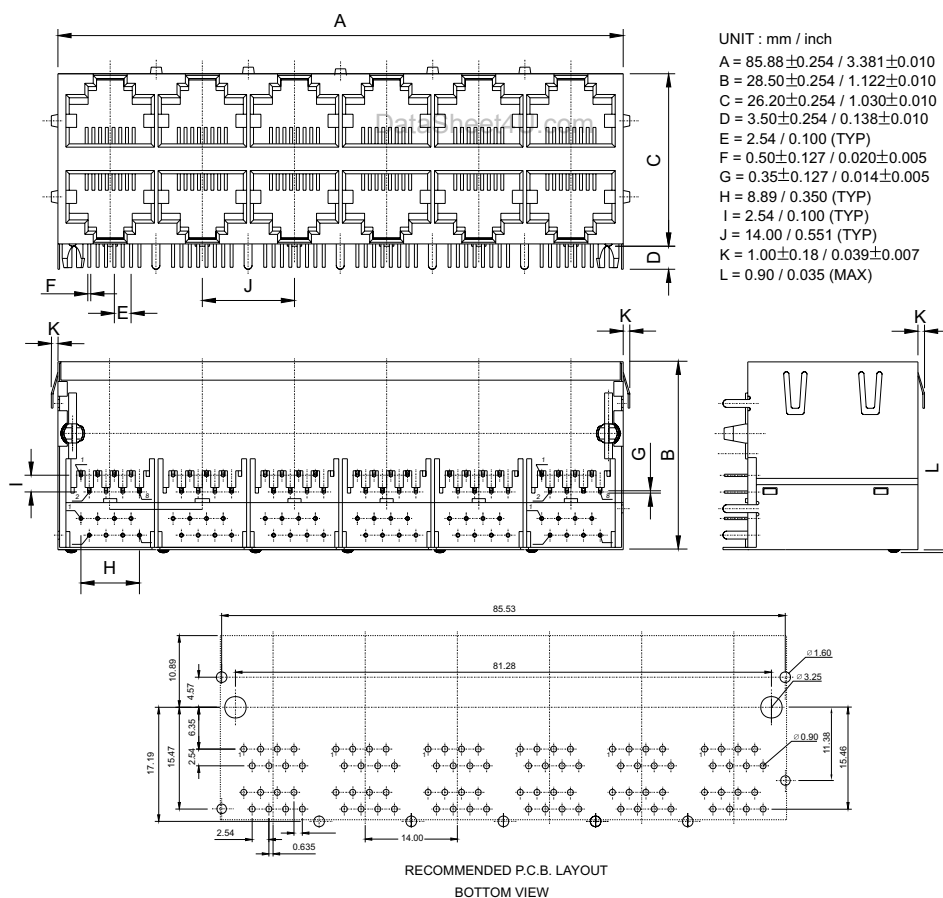
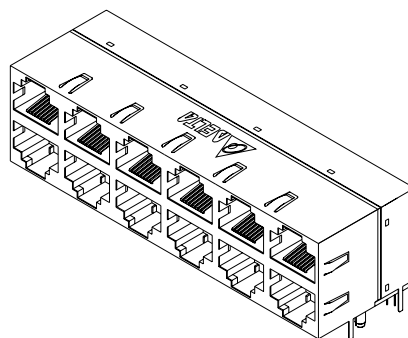
## 100BASE-TX

### 2x6 (TYPE H)

## Networking Components

### MECHANICAL CONSTRUCTION

RJS-12AA08T089H



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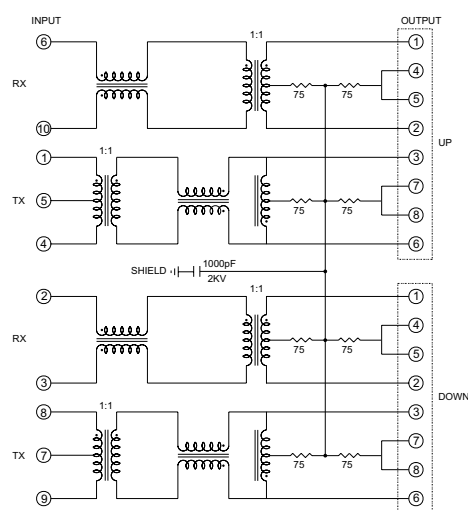


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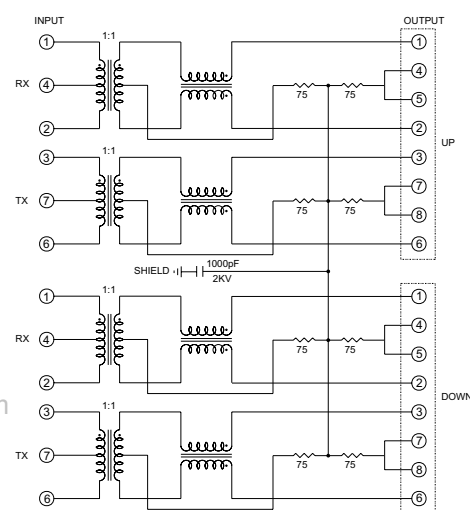
## Networking Components

### SCHEMATICS

**RJS-12A08T109A**



**RJS-12AA08T089H**



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