



RJ-45 MODULAR JACK FOR FAST ETHERNET 100BASE-TX 1 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-1A08T089*

A B C D E F G H

A: 100 BASE-TX

B: NUMBER OF PORT

1=1 PORT

4=4 PORTS

C: CIRCUIT TYPE

A~..... (SEE CIRCUIT SCHEMATICS)

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

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 MHz	60-80	1~100 MHz	1~100 MHz	
RJS-1A08T089*	1.0 / 1.0	20 / 20	15 / 17	11 / 15	30	30	1:1 / 1:1
RJS-1B08T089*	1.0 / 1.0	20 / 20	15 / 17	11 / 15	30	30	1.414:1 / 1:1
RJS-1C08T089*	2.0 / 1.0	16 / 20	12 / 17	10 / 15	30	30	2:1 / 1:1
RJS-1A08S089E	1.0 / 1.0	16 / 20	12 / 17	10 / 15	30	30	1:1 / 1:1
RJS-1E08T089A	1.0 / 1.0	20 / 20	15 / 17	11 / 15	30	30	1:1 / 1:1
RJS-1GA08T089S	1.0 / 1.0	20 / 20	15 / 17	11 / 15	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.

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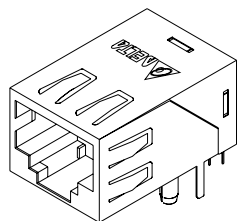


RJ-45 MODULAR JACK FOR FAST ETHERNET 100BASE-TX 1 PORT (TYPE A/TYPE B)

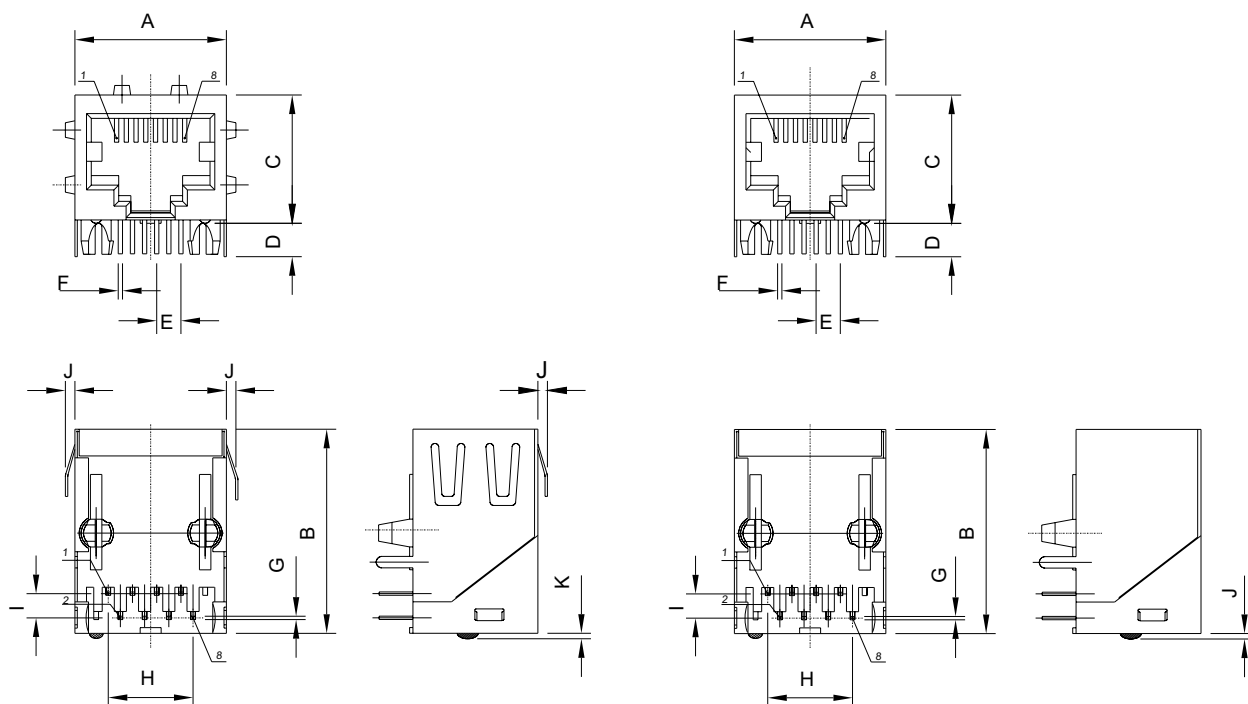
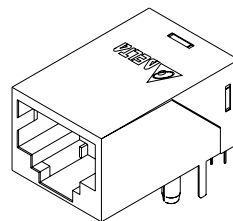
Networking Components

MECHANICAL CONSTRUCTION

RJS-1A08T089A
RJS-1B08T089A
RJS-1C08T089A
RJS-1E08T089A

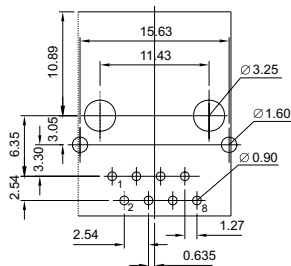


RJS-1A08T089B
RJS-1B08T089B
RJS-1C08T089B



UNIT : mm / inch

A = $15.88 \pm 0.254 / 0.625 \pm 0.010$
B = $21.60 \pm 0.254 / 0.850 \pm 0.010$
C = $13.45 \pm 0.254 / 0.530 \pm 0.010$
D = $3.50 \pm 0.254 / 0.138 \pm 0.010$
E = $2.54 / 0.100$ (TYP)
F = $0.50 \pm 0.127 / 0.020 \pm 0.005$
G = $0.35 \pm 0.127 / 0.014 \pm 0.005$
H = $8.89 / 0.350$ (TYP)
I = $2.54 / 0.100$ (TYP)
J = $1.00 \pm 0.18 / 0.039 \pm 0.007$
K = $0.90 / 0.035$ (MAX)



RECOMMENDED P.C.B. LAYOUT
BOTTOM VIEW

UNIT : mm / inch

A = $15.88 \pm 0.254 / 0.625 \pm 0.010$
B = $21.60 \pm 0.254 / 0.850 \pm 0.010$
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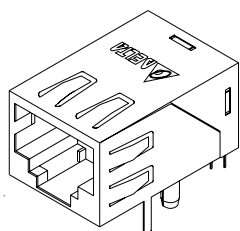


RJ-45 MODULAR JACK FOR FAST ETHERNET 100BASE-TX 1 PORT (TYPE C/TYP E D)

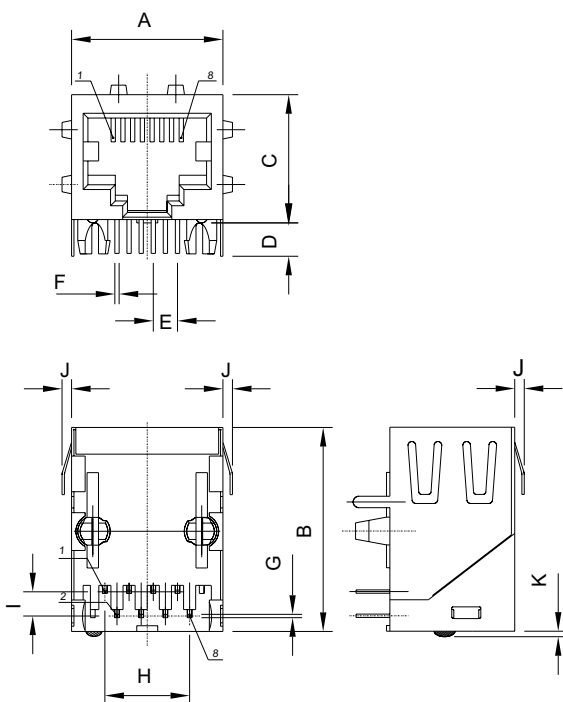
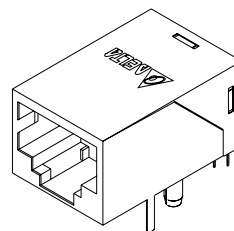
Networking Components

MECHANICAL CONSTRUCTION

RJS-1A08T089C
RJS-1B08T089C
RJS-1C08T089C

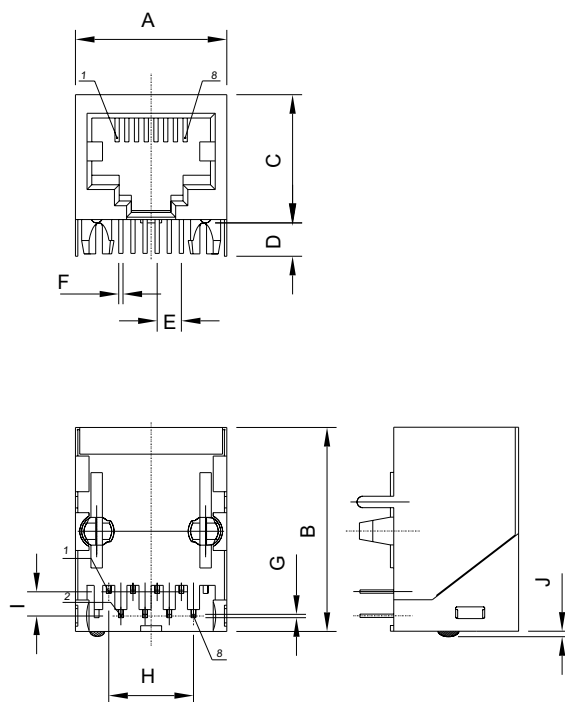


RJS-1A08T089D
RJS-1B08T089D
RJS-1C08T089D



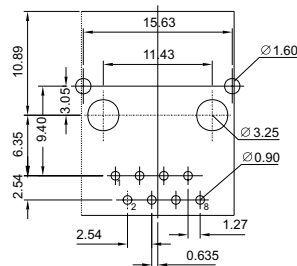
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B = $21.60 \pm 0.254 / 0.850 \pm 0.010$
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UNIT : mm / inch

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RECOMMENDED P.C.B. LAYOUT
BOTTOM VIEW

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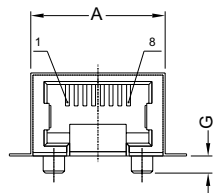
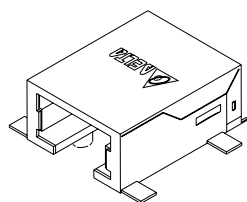


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Networking Components

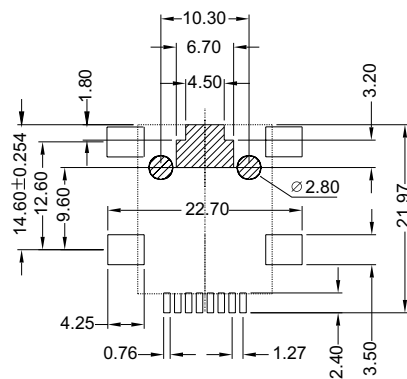
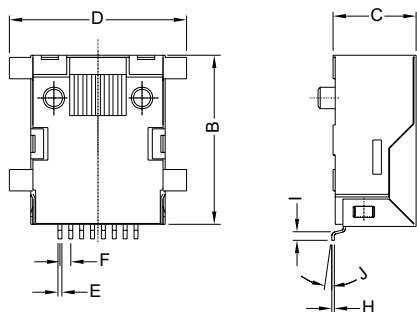
MECHANICAL CONSTRUCTION

RJS-1A08S089E

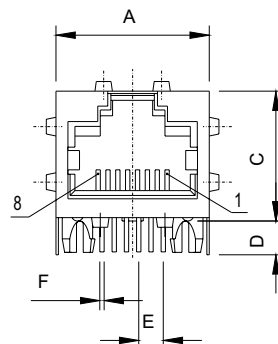
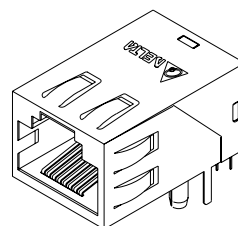


UNIT : mm / inch

A = 15.27 ± 0.308 / 0.601 ± 0.012
 B = 19.746 ± 0.254 / 0.777 ± 0.010
 C = 9.70 ± 0.254 / 0.381 ± 0.010
 D = 20.70 ± 0.308 / 0.815 ± 0.012
 E = 0.46 / 0.018 (TYP)
 F = 1.27 / 0.050 (TYP)
 G = 2.00 / 0.079 MAX
 H = 0.254 / 0.010 (TYP)
 I = 1.00 / 0.039 (REF)
 J = $0^\circ \sim 8^\circ$

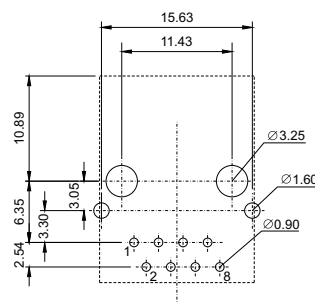
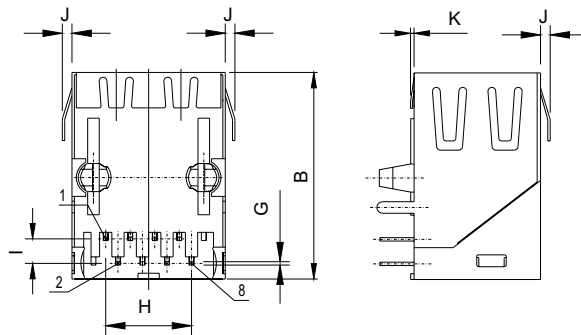


RJS-1GA08T089S



UNIT : mm / inch

A = 15.88 ± 0.254 / 0.625 ± 0.010
 B = 21.60 ± 0.254 / 0.850 ± 0.010
 C = 13.45 ± 0.254 / 0.530 ± 0.010
 D = 3.50 ± 0.254 / 0.138 ± 0.010
 E = 2.54 / 0.100 (TYP)
 F = 0.50 ± 0.127 / 0.020 ± 0.005
 G = 0.35 ± 0.127 / 0.014 ± 0.005
 H = 8.89 / 0.350 (TYP)
 I = 2.54 / 0.100 (TYP)
 J = 1.00 ± 0.18 / 0.039 ± 0.007
 K = 0.35 / 0.014 MAX



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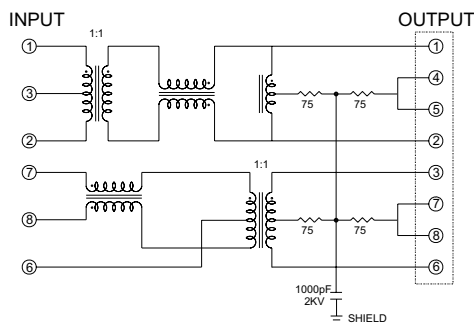


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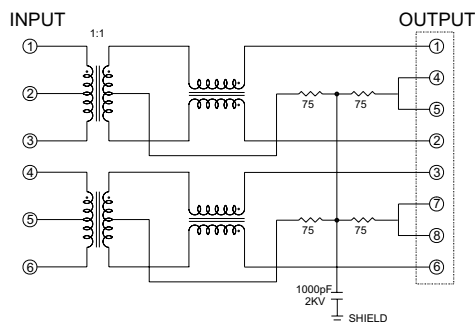
Networking Components

SCHEMATICS

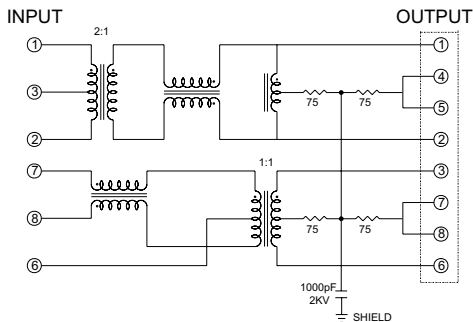
RJS-1A08T089* / RJS-1A08S089E



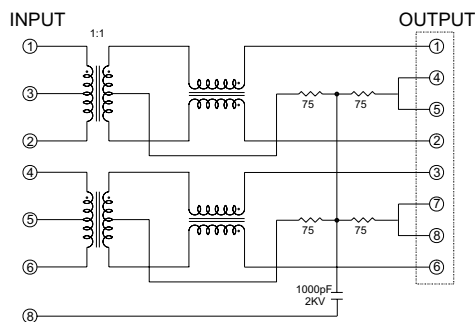
RJS-1E08T089A



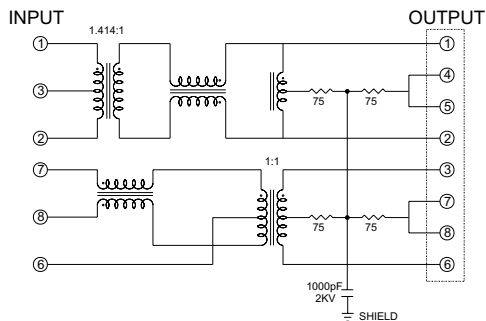
RJS-1C08T089*



RJS-1GA08T089S



RJS-1B08T089*



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