RJ-45 MODULAR JACK FOR ETHERNET
10BASE-T
1 PORT

Networking Components

FEATURES

- **COST SAVING**
  - REDUCE PCB SPACE
  - SAVE INVENTORY AND ASSEMBLY COST
- **IMPROVE EMC PERFORMANCE**
  - REDUCE THE OVERALL LENGTH OF SIGNAL PATH ON PCB AND LOWER NOISE LEVEL
- **MEET IEEE 802.3 STANDARDS AND FCC MECHANICAL REQUIREMENTS**

(EX.) RT 1 A * * 08 T 08 9 *
A B C D E F G H I J

A: 10 BASE-T
B: NUMBER OF PORT
C: CIRCUIT TYPE
A~..... (SEE CIRCUIT SCHEMATICS)
D: TURNS RATIO: TX/RX
1=1:1 / 1:1
2=1:1.414 / 1:1
3=1:2 / 1:1
4=2:1 / 1:1
E: OPEN CIRCUIT INDUCTANCE: (TX/RX)
0=150uH MIN/150uH MIN
1=100uH±20%/100uH±20%
2=50uH MIN/200uH MIN
3=400uH MIN/100uH MIN
4=100uH MIN/200uH MIN
5=140uH MIN/25uH MIN
F: CONNECTOR OUTPUT PIN NUMBER
G: T=THROUGH HOLE
S=SURFACE MOUNT
H: CONNECTOR INPUT PIN NUMBER
I: CONTACT PLATING
OPTIONAL GOLD PLATING
9=30u" ON CONTACT AREA
J: MECHANICAL & CONSTRUCTIONS TYPES

ELECTRICAL CHARACTERISTICS @25° C

Model	Primary DCR TX/RX Max (Ohm)	LK Max (uH)	Cp Max (pF)	HI-POT TEST (Vrms)
RT1A**08T089	0.35	0.3	12	1500
RT1A**08T089A	0.35	0.3	12	1500
RT1B**08T089	0.35	0.3	12	1500
RT1B**08T089A	0.35	0.3	12	1500
RT1C**08T089	0.35	0.3	12	1500
RT1C**08T089A	0.35	0.3	12	1500
RL1BA08T089C	0.35	0.3	12	1500
RL1CA08T089D	0.35	0.3	12	1500

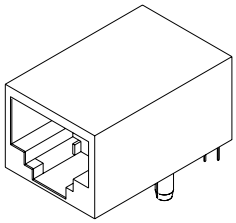
DELTA ELECTRONICS, INC.
(TAOYUAN PLANT CPBG) *252, SAN YING ROAD, KUEI SAN INDUSTRIAL ZONE, TAOYUAN SHIEN, TAIWAN, R.O.C.*
TEL: 886-3-3591968; FAX: 886-3-3591991
Http://www.delta.com/products/networking

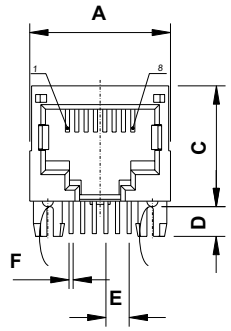
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10BASE-T
1 PORT(TYPE A/TYPE B)

Networking Components

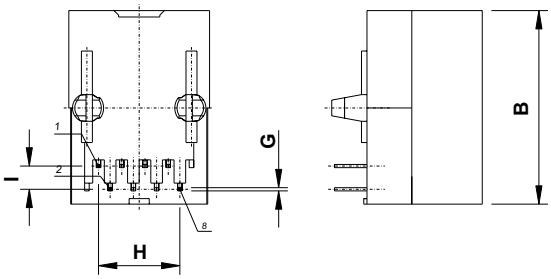
MECHANICAL CONSTRUCTION

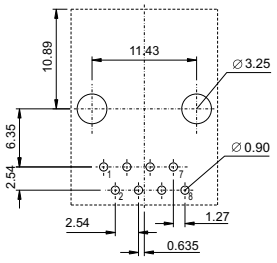
RT1A**08T089
RT1B**08T089
RT1C**08T089





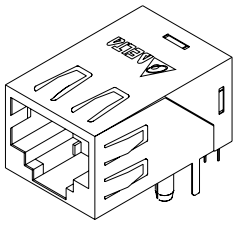
UNIT : mm / inch
A = 15.38±0.254 / 0.606±0.010
B = 21.10±0.254 / 0.833±0.010
C = 13.20±0.254 / 0.520±0.010
D = 3.25±0.254 / 0.128±0.010
E = 2.54 / 0.100 (TYP)
F = 0.50±0.127 / 0.020±0.005
G = 0.35±0.127 / 0.014±0.005
H = 8.89 / 0.350 (TYP)
I = 2.54 / 0.100 (TYP)
J = 1.00±0.18 / 0.039±0.007
K = 0.90 / 0.035 (MAX)

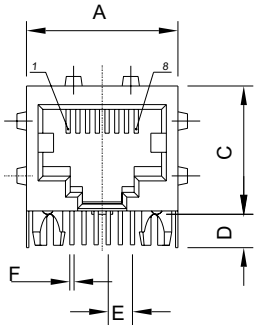




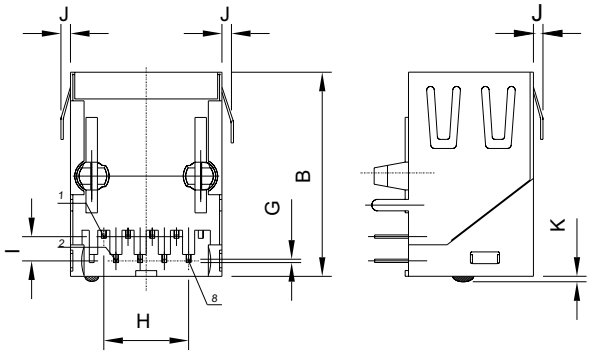
RECOMMENDED P.C.B. LAYOUT
BOTTOM VIEW

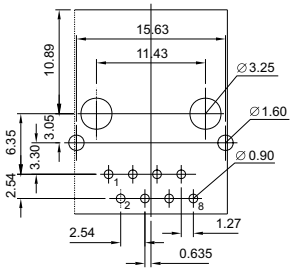
RT1A**08T089A
RT1B**08T089A
RT1C**08T089A





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)
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BOTTOM VIEW

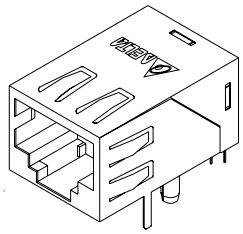
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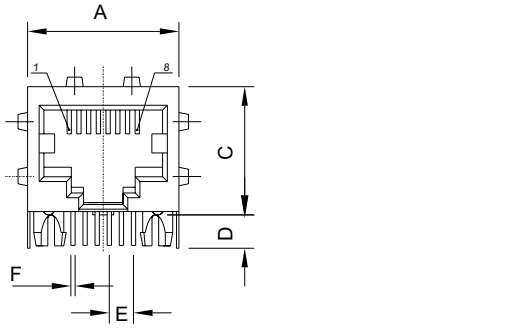
RJ-45 MODULAR JACK FOR ETHERNET
10BASE-T
1 PORT(TYPE C/TYPE D)

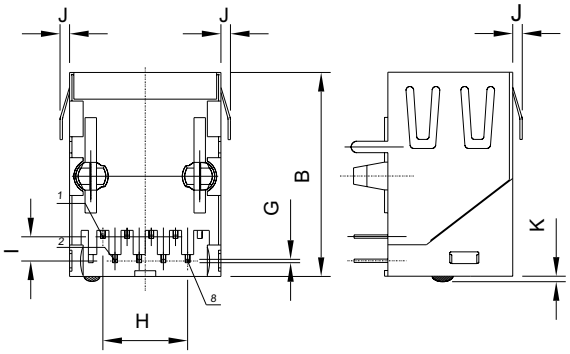
Networking Components

MECHANICAL CONSTRUCTION

RL1BA08T089C



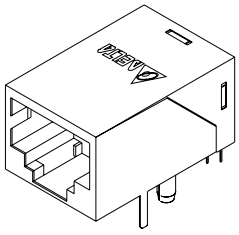


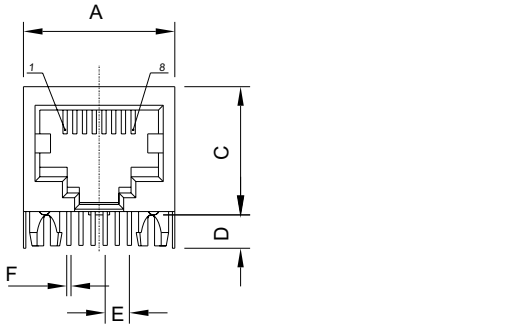


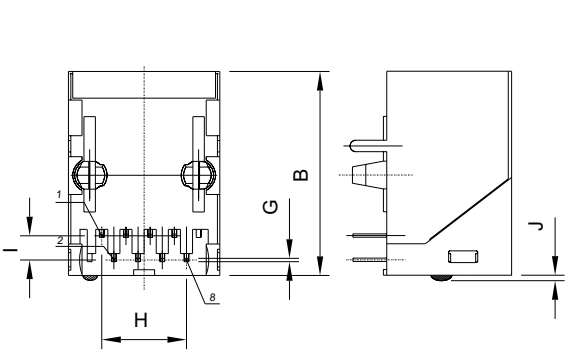
UNIT : mm / inch

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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 = 0.90 / 0.035 (MAX)

RL1CA08T089D

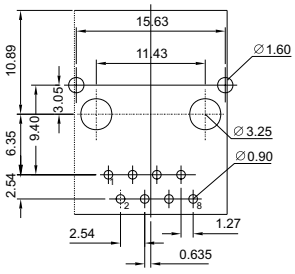






UNIT : mm / inch

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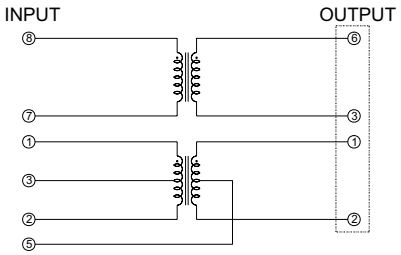
RECOMMENDED P.C.B. LAYOUT
BOTTOM VIEW

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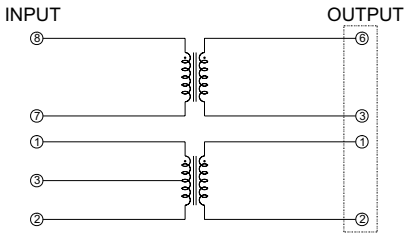
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SCHEMATICS

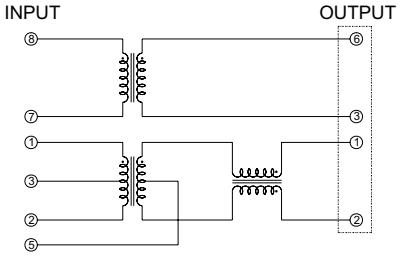
RT1A08T089/RT1A**08T089A**



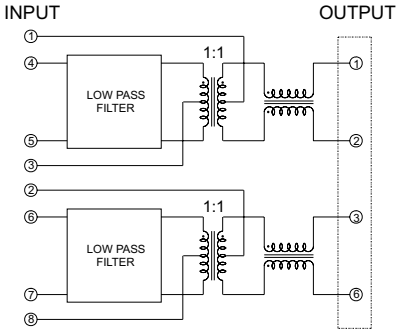
RT1B08T089/RT1B**08T089A**



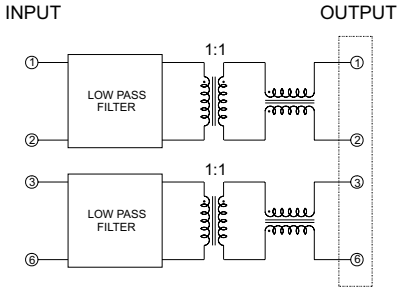
RT1C08T089/RT1C**08T089A**



RL1BA08T089C



RL1CA08T089D



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