

“LAN-MATE” SERIES Description:
10/100/1000 Base-T RJ45 2x1 Integrated Magnetics Connector
10/100/1000 BASE-T MAGNETICS

- Complies with requirement of IEEE 802.3ab standards.
- RJ-45 connector integrated with transformer/impedance resistor/high voltage capacitor.
- Size same as RJ-45 connector to save PCB board space.
- Reduced EMI radiation to improve EMI performance.
- Design for 1000 BASE transmission over UTP-5 cable.
- Compliance with ROHS requirements.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +85 .



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Electrical specifications @ 25

Part Number	Turns Ratio (±2%)		OCL (uH Min) @ 100 KHz/0.1V with 8mA DC Bias	DCMR (dB Min)			HI-POT (Vrms) pri : sec
	TX	RX		0.3-30MHz	60MHz	100MHz	
DA1D102K4	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA1T001A1	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA1T002I3	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA1T101G1	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA1T101J1	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA1T102B1	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500
DA1T001A3	1CT: 1CT	1CT: 1CT	350	-50	-45	-40	1500

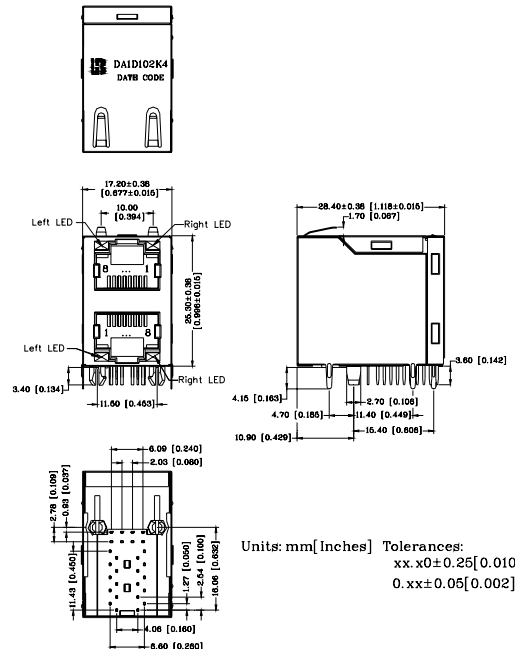
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Number	Return Loss (dB Min)					Cross talk (dB Min)				Insertion Loss (dB Max)
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	0.5-10MHz	30MHz	50MHz	100MHz	
DA1D102K4	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA1T001A1	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA1T002I3	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA1T101G1	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA1T101J1	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA1T102B1	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0
DA1T001A3	-18	-16	-14.08	-12.5	-10	-50	-40	-35	-30	-1.0

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Mechanicals

DA1D XXXX

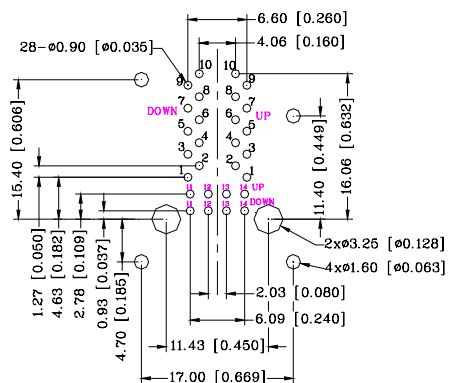
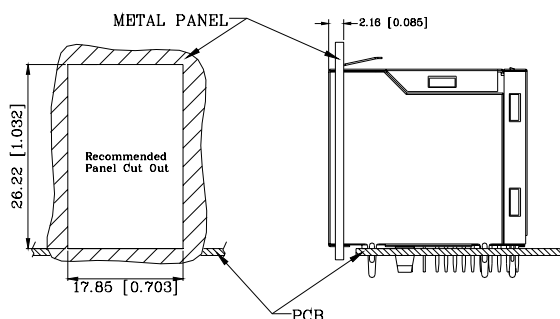


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|---------------------|--|
| 1. Plastic Material | : Thermoplastic (UL 94V-0), Black Housing |
| 2. Metal Shield | : Brass, 30u" inches thick Nickel |
| 3. Spring Wire | : Phosphor bronze |
| 4. Solder Pin | : 0.5x0.35mm, Phosphor bronze with solder Plated |
| 5. Durability | : 750 Mating cycles Min. |

Suggested Panel Opening

PCB Layout Mounting Hole (Top View)

DA1XXXXX

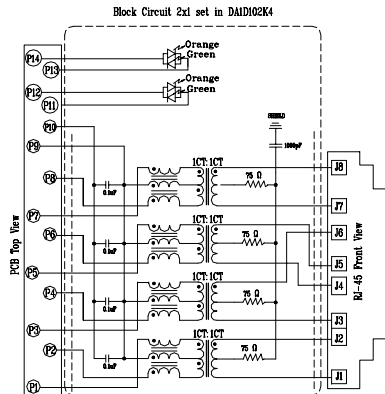


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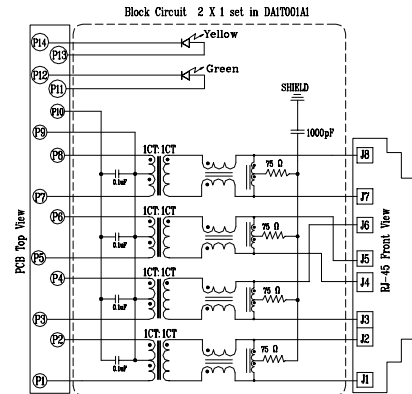
Specification	Packing Manner	Q'ty per Tray	Q'ty/ Inner box	Q'ty/ Carton
DA1DXXXX	Tray	36	288	288
DA1SXXXX	Tray	36	288	288
DA1TXXXX	Tray	36	288	288

Schematics

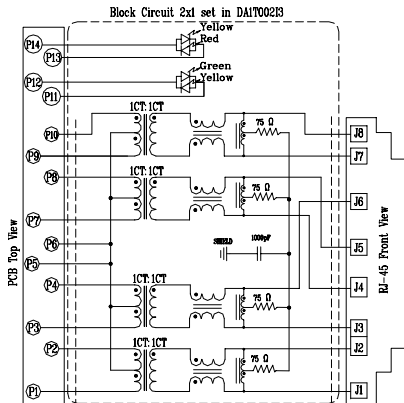
DA1D102K4



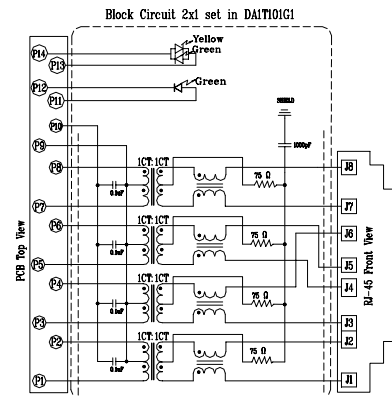
DA1T001A1



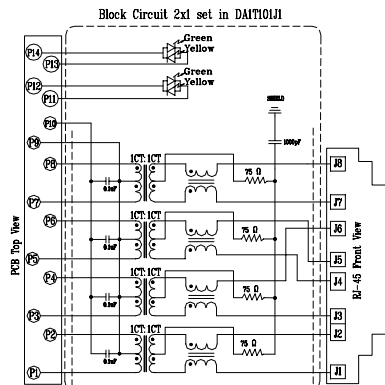
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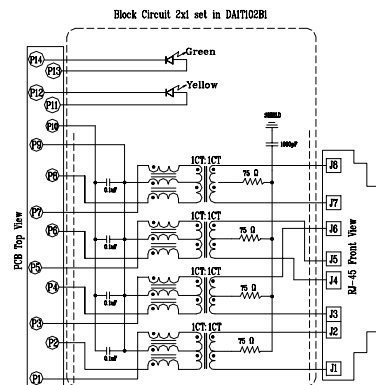
DA1T101G1



DA1T101J1

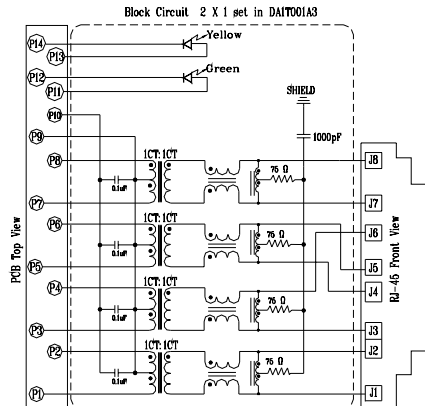


DA1T102B1



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DA1T001A3



Ordering Information

