

Suggested PCB Layout (TOP VIEW)

SPECIFICATIONS

Housing: Thermoplastic UL94V-0
 Contact Material: Copper Alloy
 Shield Plating: Nickel
 Contact Plating: Gold 6 micro-inches min.
 In contact area
 Wave Solder Tip: 265C Max @ 5 Sec. Max

Panel Grounds (X)	
Blank	None
1,2	Top
4	Sides
6	Both

Series	Positions	Contacts	Body Style	Color	Plating	Options
CTJ	X	XX	M16305	BK	PX	FS
Modular jack, single position	10 Pos.	10 Pins	Side Entry Top Latch With Magnetics	BK=Black	P0=6μ" P1=15μ" P2=30μ" P3=50μ"	Blank=None FSX=Full shield (see chart)

RoHS compliant

Rev.	Description	Date	Approved	Drawing	Name	Date
				Approved	Howard	07/20/10
				Checked	Lizzy	07/20/10
				Drawn	Tina	07/20/10
				0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'
				UNIT: mm		

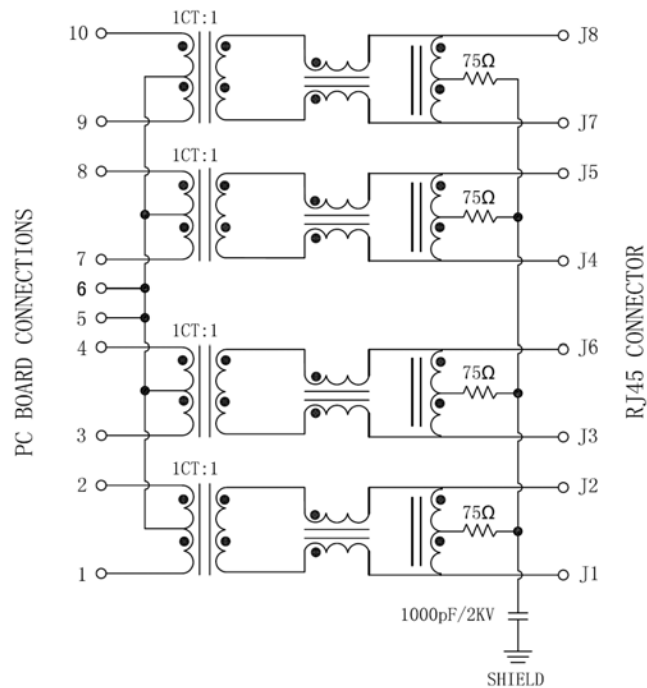
Central Components Manufacturing
 440 Lincoln Blvd., Middlesex, New Jersey 08846
 Phone 732 469-5720 888 288-5152 Fax 732 469-1919

Part No.: **CTJ-10-10-M16305-BK-PX-FS**

Description: RJ45 1x1 Tab Up w/ Transformer 10/100/1000 Base-T Without LED, Type M16305

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ELECTRICAL SPECIFICATIONS

Turn Ratio ($\pm 2\%$): TX=1CT:1CT RX=1CT:1CT

350uH Min OCL with 8mA bias current

Return Loss (dB Min): 0.1-15MHz:-18, 15-60MHz:-16, 60-80MHz:-15, 80-100MHz:-12

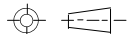
Crosstalk (dB Min): 0.1-0.9MHz:-43, 1-15MHz:-35, 15-30MHz:-26, 30-100MHz:-24


Insertion Loss: 0.1-0.9MHz: -1.0dB Max, 0.9-100MHz: -1.1dB Max

CMR: 0.1-30MHz: -46dB Min, 30-100MHz: -42dB Min

Isolation Voltage: 1500Vrms

Operating Temp: 0°C ~ 70°C

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