



SPECIFICATIONS

Contact Material: Phosphor Bronze, Nickel over Tin Plating
 Housing Material: Nylon UL94V09, Black
 Insert Material: Phosphor Bronze, PBT GF UL94V-0
 Nickel, over Tin over Gold Plating
 Plate Material: PBT GF UL94V-0
 Shield Material: Brass, Nickel Plating
 Turn Ratio: 1CT:1CT
 Inductance: 350uH MIN
 Insertion Loss: -1.2dB (1-100MHz)
 Return Loss: -16dB(1-30MHz), -14dB(40MHz), -13dB(50MHz),
 -10dB(60-80MHz)
 Cross Talk: -43dB(30MHz), -37dB(60MHz), -33dB(100MHz)
 DCMR: -50dB(30MHz), -43dB(60MHz), -35dB(100MHz)
 HI-POT: 500Vrms/0.5mA/2Sec
 HI-POT: 1000Vrms/0.5mA/2Sec
 POE Current: 350mA
 DC Current (J4, J5, J7, J8): 1.5A
 DC Current (P9 & P10): 3A
 Durability: 750 cycles
 Operating Temperature: -40C~+85C

Unit: mm Unless otherwise specified, all tolerances are ±0.25

RoHS compliant

Series	Positions	Contacts	Body Style	Ground Tab	Color	Plating	Options	Panel Grounds
CTJ	8	08	51F1409LXX	D1	BK	P1	FS	PG6
Modular jack	8 positions	8 contacts	Side entry with magnetics and LEDs	D1=3.05mm offset	BK=Black	P1=15µ" gold P2=30µ" gold P3=50µ" gold	FS=Full shield	PG6=Top & sides

Rev.	Description	Date	Approved	Drawing	Name	Date
				Approved	Howard	07/13/09
				Checked	Lizzy	07/13/09
				Drawn	Tina	07/13/09
				0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'
				UNIT: mm		

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Part No.: CTJ-8-08-51F1409LXX-D1-BK-PX-FS-PG6

Description: 180° RJ45 10/100 Base-T POE Jack w/ Magnetics