

HR851143A

Electrical Specification @25°C

RoHS Compliant (PB Free)

Operating Temperature Range: 0°C ~ +70°C

Isolation: 1500Vrms 0.5mA 60sec (J1~8 to P6+P12)

OCL: 350uH Min. @100KHz 100mV with 8mADC

DCR: 1.0 ohms Max. (J1-2, J3-6)

Turns Ratio: 1CT:1CT ±3%

Insertion Loss: -1.0dB Max. @1MHz ~ 100MHz / -1.2dB Max. @100MHz ~ 125MHz

Return Loss: -18dB Min. @1MHz ~ 30MHz / -16dB Min. @30MHz ~ 45MHz

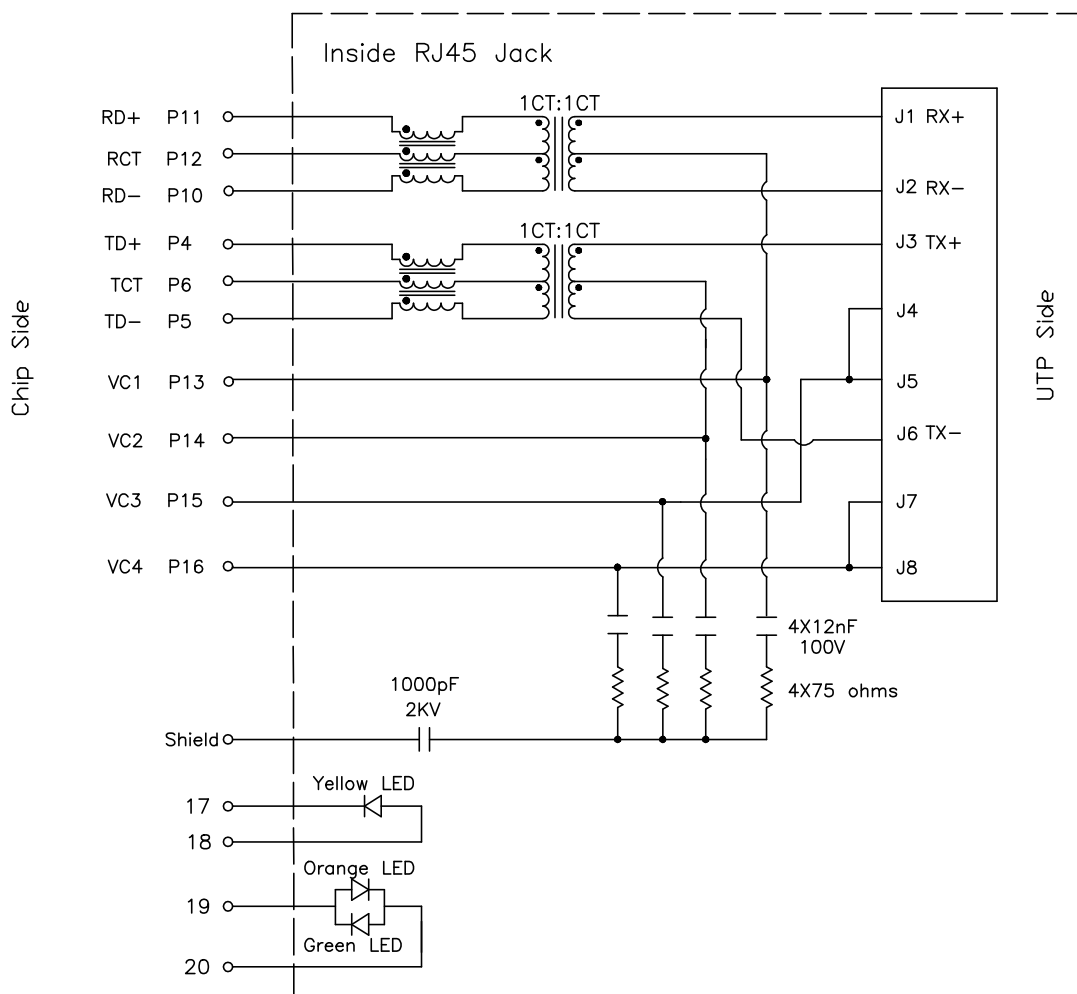
-13.5dB Min. @45MHz ~ 60MHz / -12dB Min. @60MHz ~ 80MHz

Common to Common Mode Rejection: -30dB Min. @1MHz ~ 100MHz

Differential to Common Mode Rejection: -30dB Min. @1MHz ~ 100MHz

Crosstalk: -30dB Min. @1MHz ~ 100MHz

Schematics



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Material Specification:

Housing: PBT GF Black UL94V-0

Shield: 50u" Nickel over 0.20mm Thickness Brass

Insert: PA46 GF Black UL94V-0

Phosphor Bronze 0.35mm Thickness, 100u" tin plating with 50u" nickel underplating,
30u" gold plating on contact area

Contact pin: PA66 GF Black UL94V-0

Phosphor Bronze 0.35mm Thickness, 50u" tin plating with nickel underplating

Mechanical Performance:

Mating force: 5 lbs Maximum

Unmating force: 5 lbs Maximum

Plug to Jack Retention force: 12 lbs Minimum

Operating life: 750 Cycles Minimum

RJ45 Jack cavity conforming to FCC rules and regulation Part 68

Operating and Storage Temperature:

Operating Temperature Range: 0°C ~ +70°C

Storage Temperature Range: -40°C ~ +85°C

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

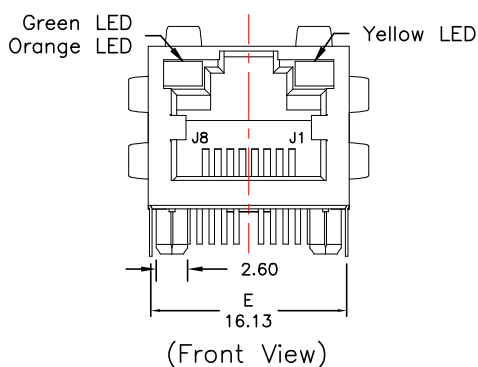
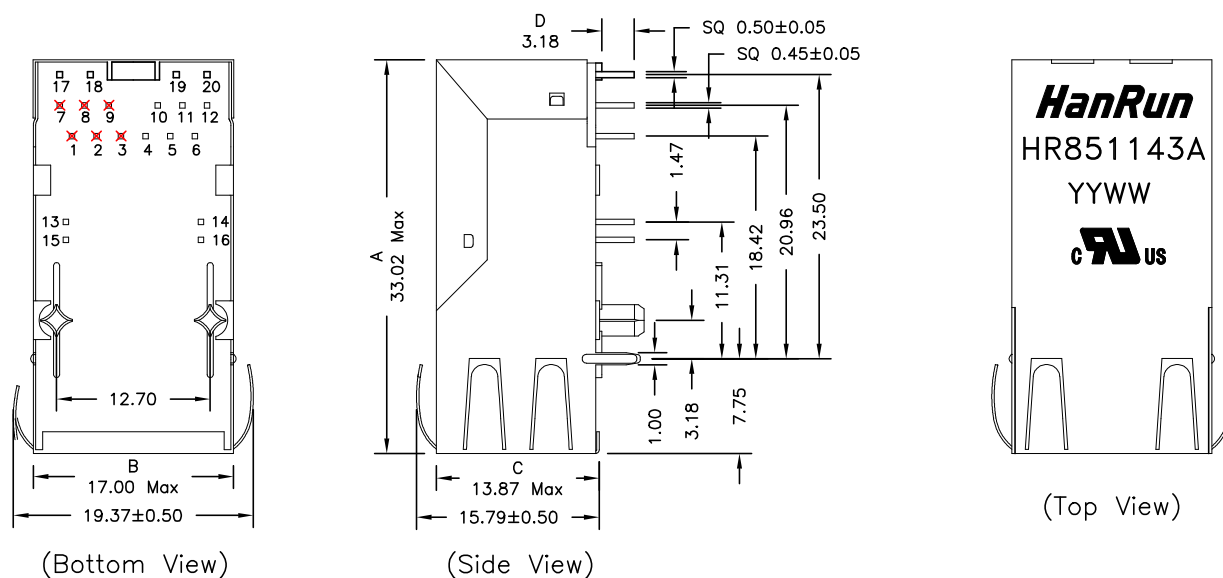
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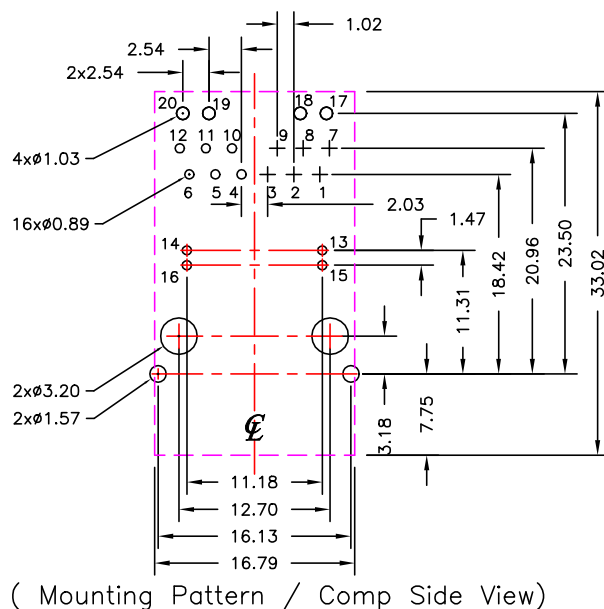
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- RoHS Compliant (Pb Free)
- Sing port Tab-UP with internal magnetics for 10/100Base-TX
- Meets or IEEE802.3af standards
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 1500Vrms isolation per IEEE802.3 requirement
- UL Recognized Component: File # E330599

Mechanical Dimensions:



Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green/Orange	568nm/600nm	1.8V/2.8V	20mA	squareness
Yellow	585nm	1.8V/2.8V	20mA	squareness



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: 04

Remark:

1.Remove Pin#1, Pin#2, Pin#3, Pin#7, Pin#8, Pin#9

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