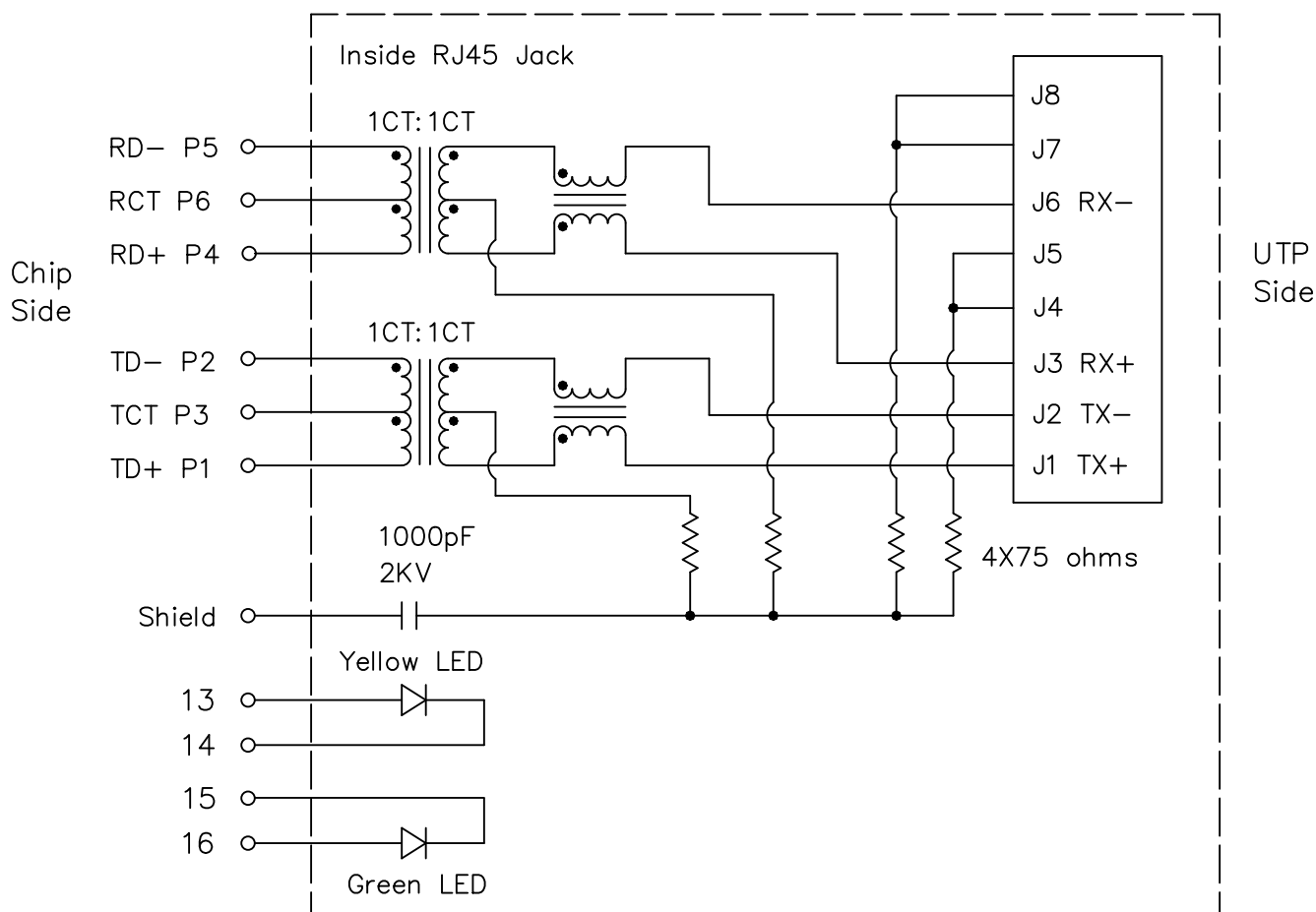


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Electrical Specification @25°C

Isolation:	2250VDC Min.	0.5mA 60sec UTP Side to Chip Side
OCL:	350uH Min.	@100KHz 100mV with 8mADC
Insertion Loss:	-1.0dB Max.	@300KHz ~ 100MHz
Return Loss:	-20dB Min.	@1MHz ~ 10MHz
Return Loss:	-16dB Min.	@10MHz ~ 30MHz
Return Loss:	-12dB Min.	@30MHz ~ 60MHz
Return Loss:	-10dB Min.	@60MHz ~ 80MHz
Common Mode Rejection:	-30dB Min.	@1MHz ~ 50MHz
Common Mode Rejection:	-20dB Min.	@50MHz ~ 150MHz
Crosstalk:	-40dB Min.	@1MHz ~ 30MHz
Crosstalk:	-35dB Min.	@30MHz ~ 60MHz
Crosstalk:	-30dB Min.	@60MHz ~ 100MHz

Schematics

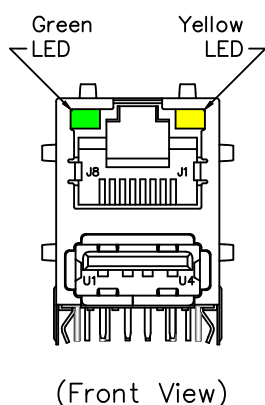
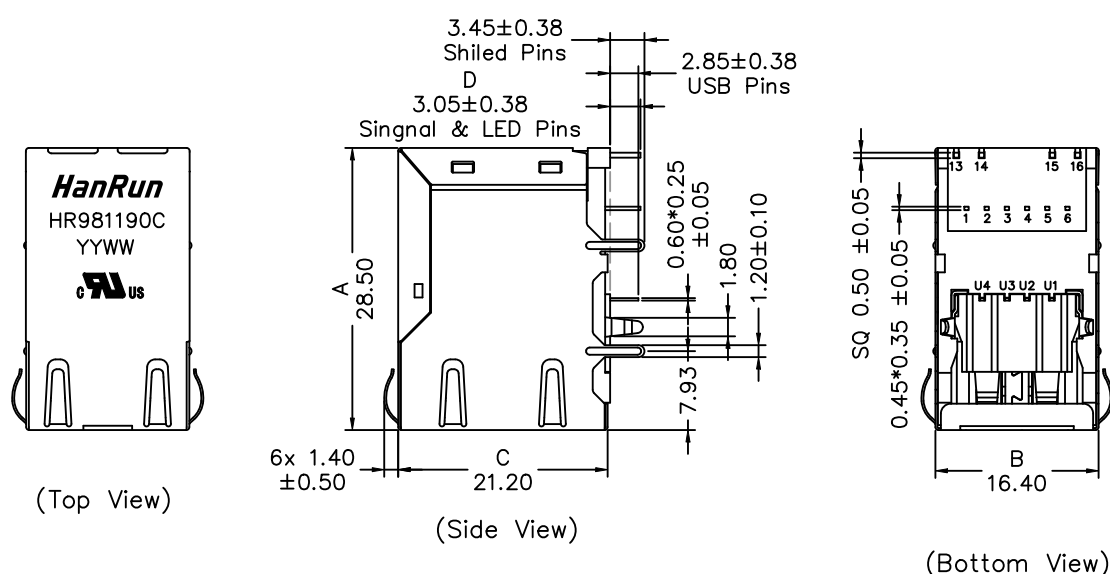


Notes: Connect CHS GND to PCB Ground

HR981190C

- RoHS Compliant (PB Free)
- Meets or Exceeds IEEE802.3au standards including 350uH Min OCL with 8mADC
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 2250VDC isolation per IEEE802.3 requirement
- Minimize PCB space and Simplify PCB Layout
- Less magnetic components to be placed on PCB, higher reliability and yields
- UL Recognized Component: File # E330599

Mechanical Dimensions:



Remark:
Remove Pin#7, Pin#8, Pin#9, Pin#10, Pin#11, Pin#12

Standard LED	Wavelength	Forward V (Min/Max)	Forward A	Type
Green	568nm	1.8V/2.8V	20mA	squareness
Yellow	586nm	1.8V/2.8V	20mA	squareness

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ± 0.25

REV.: B2

2 of 4

DRAWN:

CHECK:

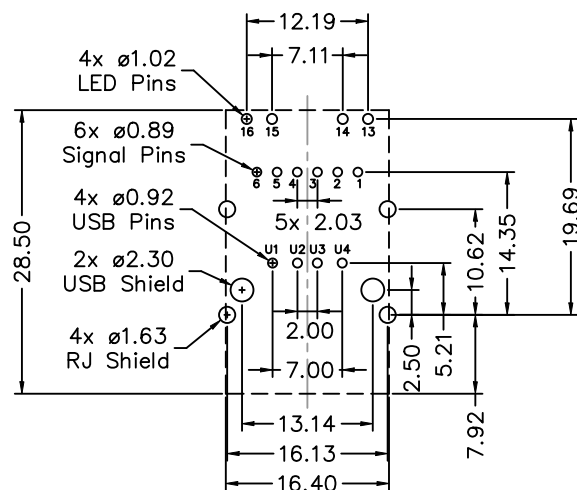
APPROVAL:

Tel: (0760)86103511 86103508 Fax: (0760)86103686 Post code: 528416

E-Mail: sales@hanrun.com <http://www.hanrun.com>

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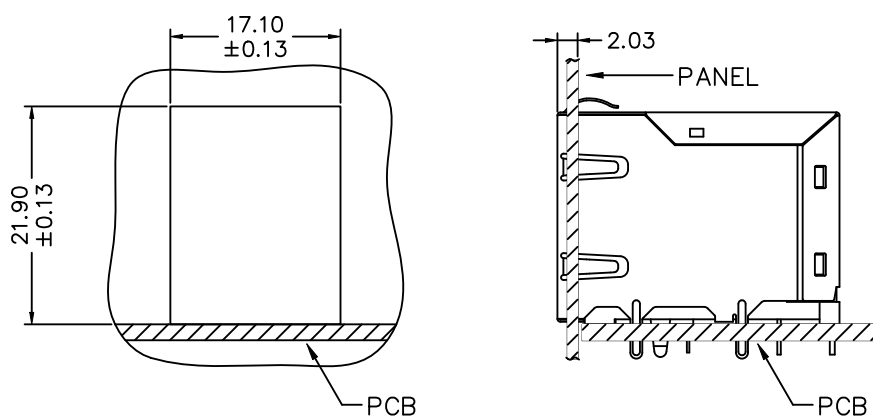
PCB Layout:



Recommended PCB layout (Component Side View)

All dimension tolerance are ± 0.08 unless otherwise specified

Pin Assignment:



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Material Specification:

RJ Housing: PBT GF Black UL94V-0
RJ Shield: 30u" Nickel over 0.20mm Thickness Brass
RJ Insert: PA66 GF Black UL94V-0
Phosphor Bronze 0.35mm Thickness
Plating Area, 30u" gold over 50u" nickel
Solder Area, 100u" tin over 50u" nickel
USB Contact: Phosphor Bronze
30u" Gold plating on contact area
100u" tin plating on solder tails
50u" nickel underplating overall
USB Shield: Brass, 80u" nickel plated over all
USB Housing: PBT GF Black UL94V-0

Mechanical Performance:

RJ Mating force: 5 lbs Maximum
RJ Unmating force: 5 lbs Maximum
RJ Operating life: 750 Cycles Minimum
USB Mating force: 7.868 lbs Maximum
USB Unmating force: 2.248 lbs Minimum
USB Operating life: 1500 Cycles Minimum

Operating and Storage Temperature:

Operating Temperature Range: 0°C ~ +70°C
Storage Temperature Range: -40°C ~ +85°C