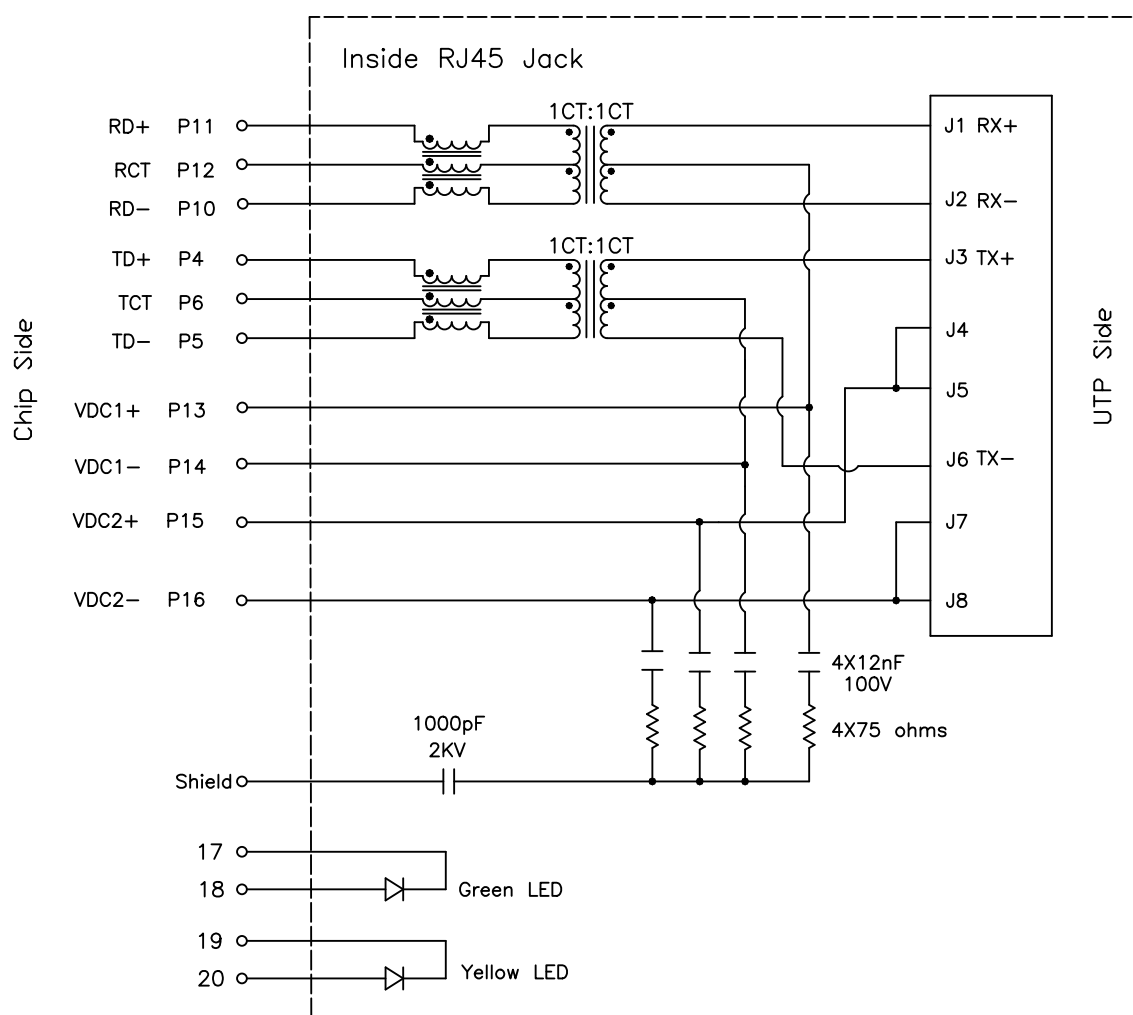


HR851140A

Electrical Specification @25°C

Isolation:	2250VDC Min.	0.5mA 60sec (UTP Side to Chip Side)
OCL:	350uH Min.	@100KHz 100mV with 18mADC
Turns Ratio:	1CT:1CT ±5%	
Insertion Loss:	-1.0dB Max.	@1MHz ~ 100MHz
Return Loss:	-18dB Min.	@1MHz ~ 30MHz
Return Loss:	-16dB Min.	@30MHz ~ 45MHz
Return Loss:	-13.5dB Min.	@45MHz ~ 60MHz
Return Loss:	-12dB Min.	@60MHz ~ 80MHz
Common Mode Rejection:	-30dB Min.	@1MHz ~ 100MHz
Crosstalk:	-30dB Typical	@1MHz ~ 100MHz
PoE current	750mA Max.	@57VDC VDC1 or VDC2

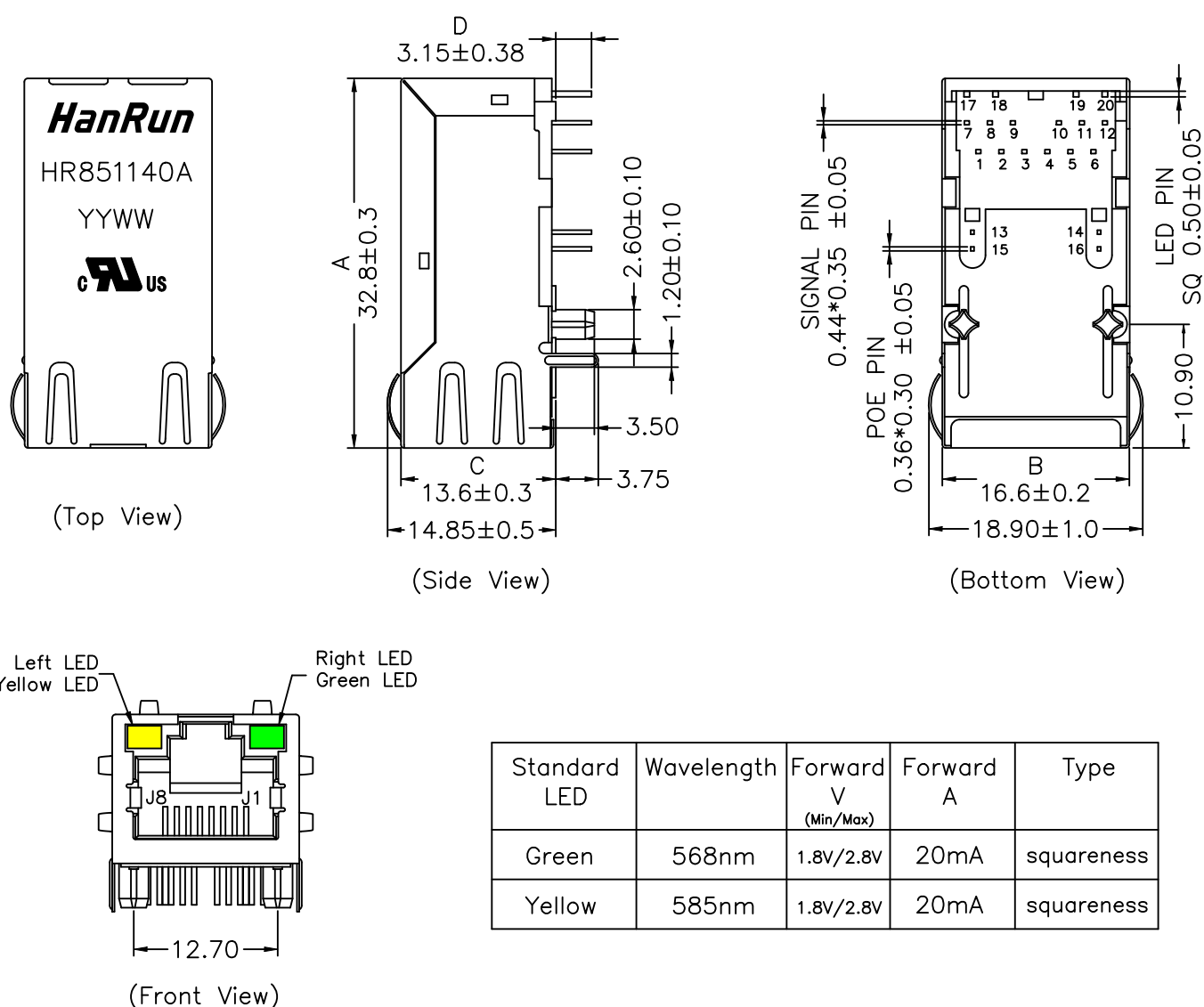
Schematics



HR851140A

- RoHS Compliant (Pb Free)
- Sing port Tab-UP with internal magnetics for 10/100Base-T
- Meets or Exceeds IEEE802.3at
- High performance for EMI suppression, Crosstalk, Return Loss and Consistent Electrical
- Minimum 2250VDC isolation per IEEE802.3 requirement
- UL Recognized Component: File # E330599

Mechanical Dimensions:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: A5

2 of 4

DRAWN:

CHECK:

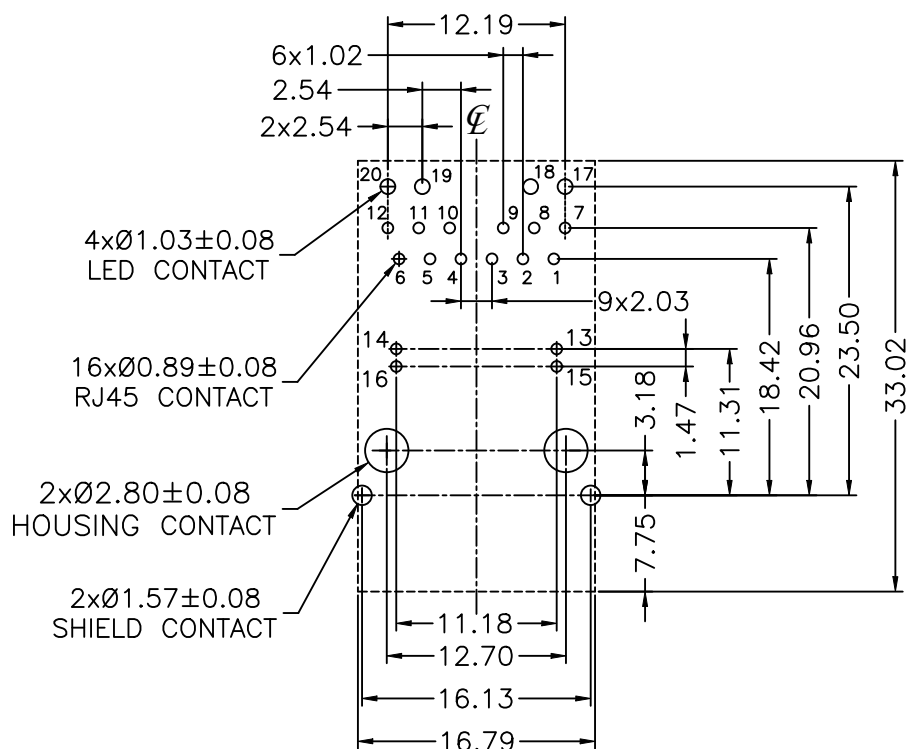
APPROVAL:

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

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

HR851140A

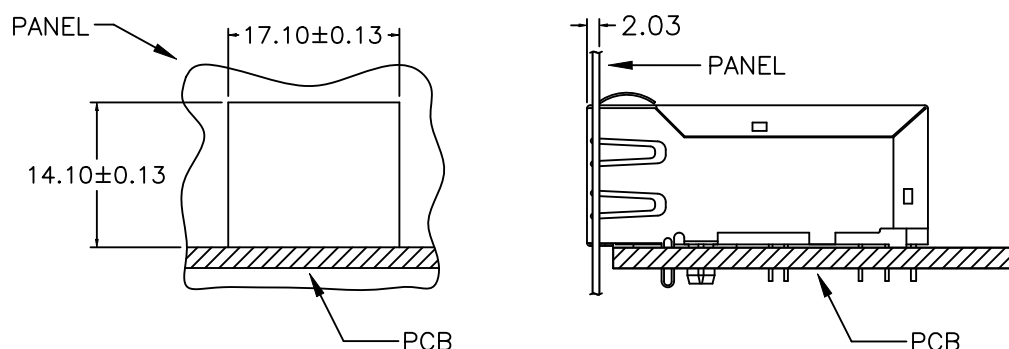
PCB Layout:



Recommended PCB layout (Component Side View)

All dimension tolerance are ± 0.08 unless otherwise specified

Suggested Panel Cutout:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ± 0.25

REV.: A5

3 of 4

DRAWN:

CHECK:

APPROVAL:

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

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

HR851140A

Material Specification:

Housing: PA66 GF Black UL94V-0

Shield: 50u" Nickel over 0.20mm Thickness Brass

Insert: PBT GF Black UL94V-0

Phosphor Bronze 0.35mm Thickness

Plating Area, 30u" gold over 50u" nickel

Solder Area, 100u" tin over 50u" nickel

Contact pin: PBT GF Black UL94V-0

Brass 0.35mm Thickness, 80u" tin over 30u" nickel

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

Operating and Storage Temperature:

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

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