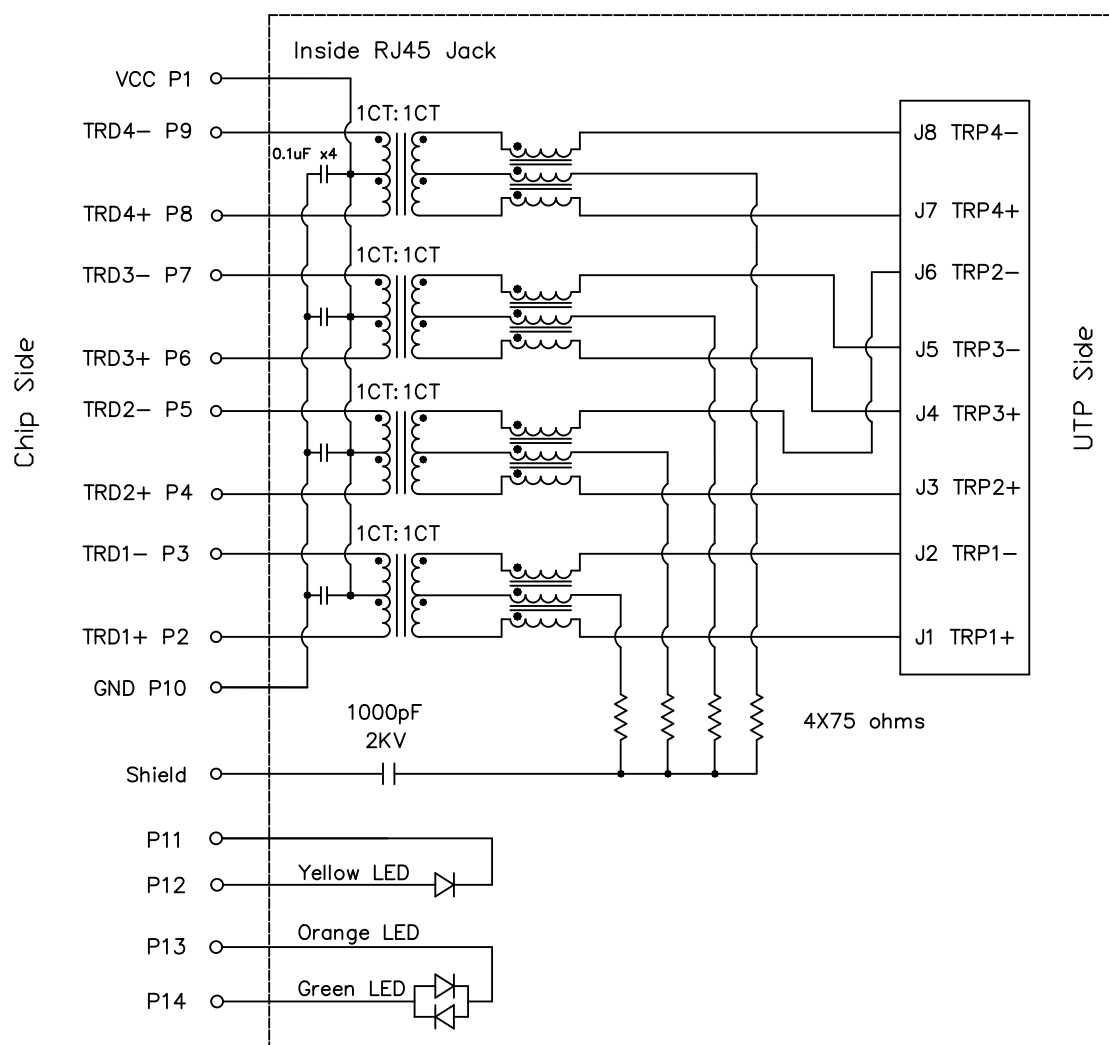


H70230302E

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.	@1MHz ~ 100MHz
Return Loss:	-18dB Min.	@1MHz ~ 30MHz
Return Loss:	-13.5dB Min.	@30MHz ~ 60MHz
Return Loss:	-12dB Min.	@60MHz ~ 80MHz
Return Loss:	-10dB Min.	@80MHz ~ 100MHz
Common Mode Rejection:	-30dB Min.	@1MHz ~ 100MHz
Crosstalk:	-30dB Min.	@1MHz ~ 60MHz
Crosstalk:	-26dB Min.	@60MHz ~ 100MHz

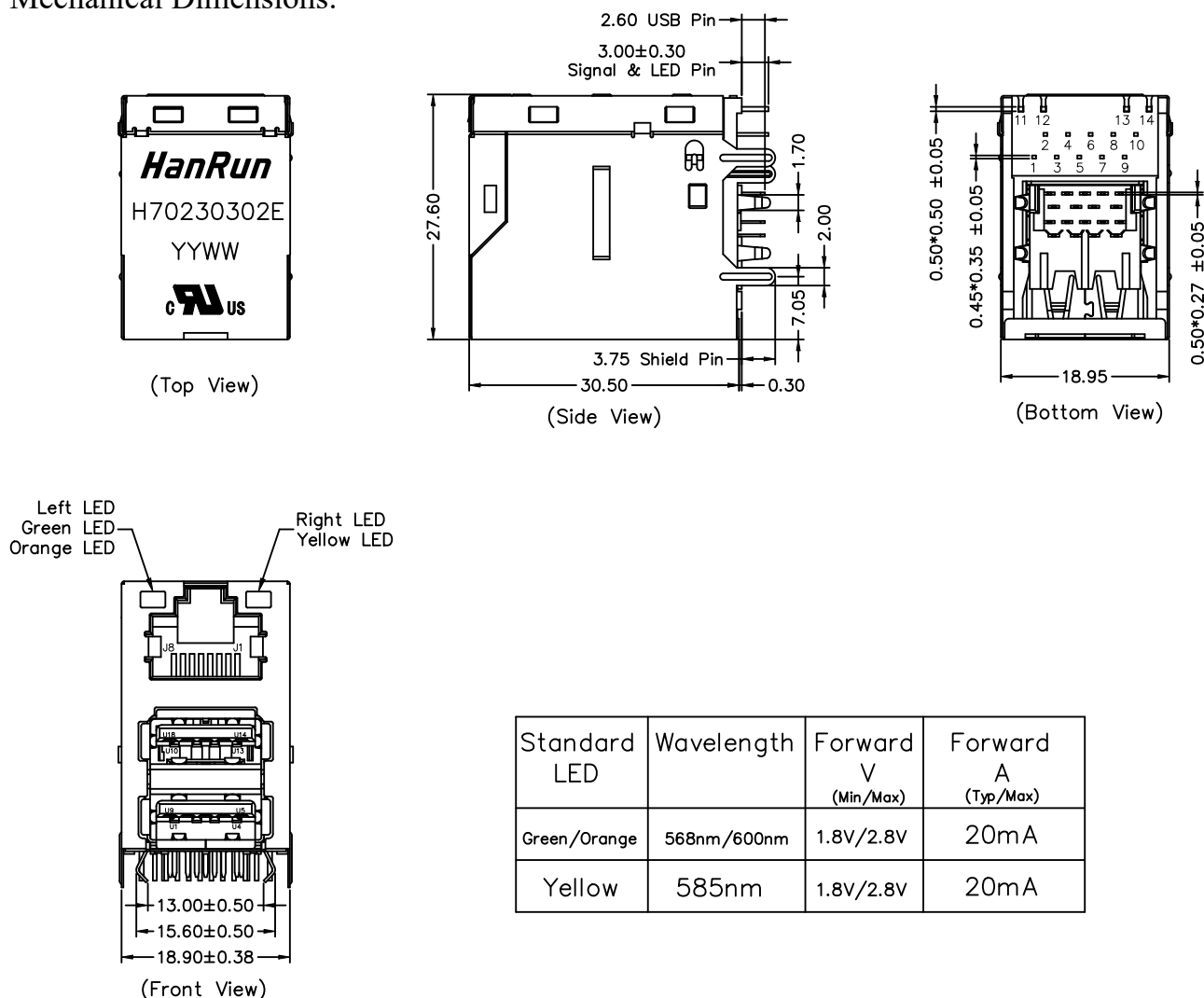
Schematics



H70230302E

- RoHS Compliant (PB Free)
- Meets or Exceeds IEEE802.3ab 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 place on PCB, Higher reliability and yields
- UL Recognized Component: File # E330599

Mechanical Dimensions:



Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: A0

2 of 4

DRAWN:

CHECK:

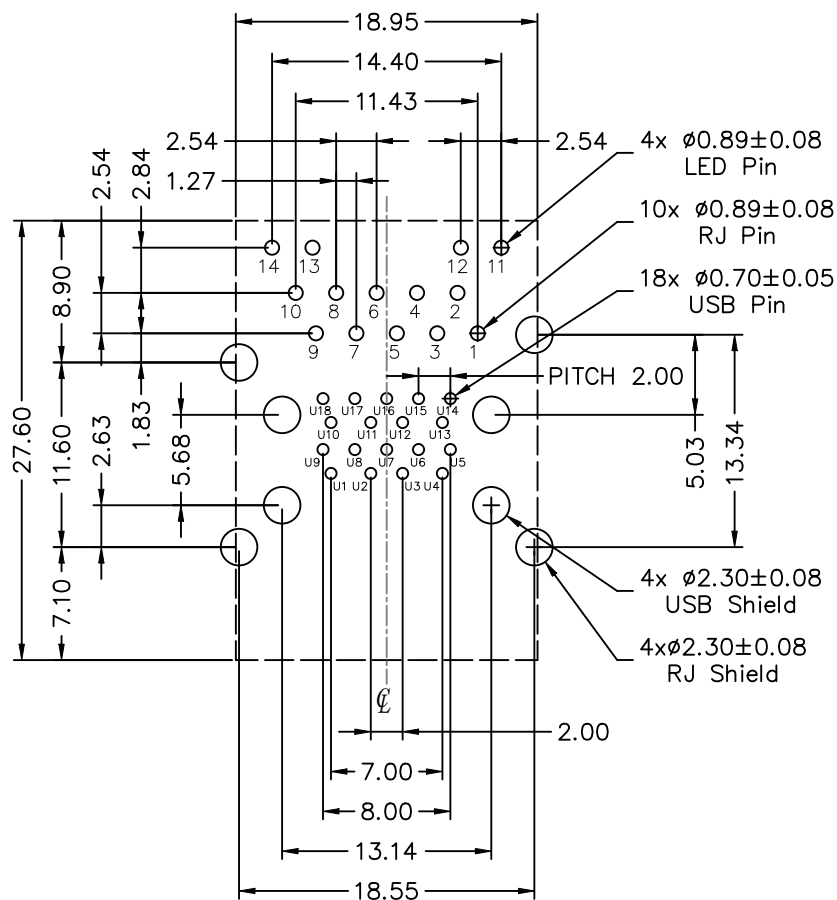
APPROVAL:

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

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

H70230302E

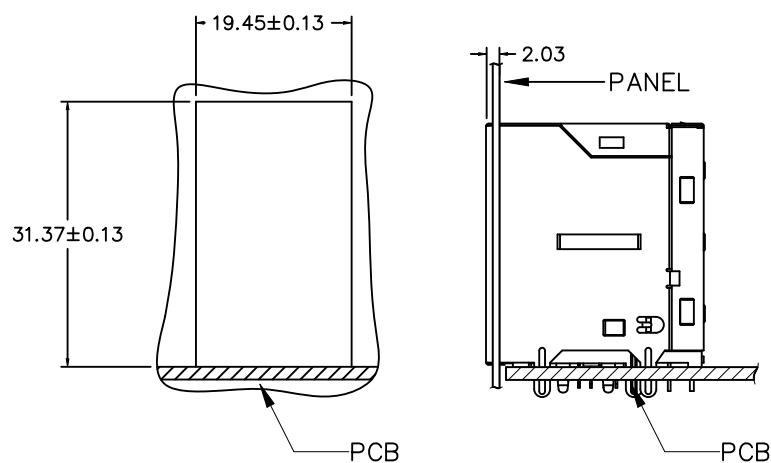
PCB Layout:



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.: A0

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DRAWN:

CHECK:

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Material Specification:

RJ Housing: PA66 GF Black UL94V-0
RJ Shield: 50u" 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 Cover: PBT GF Black UL94V-0
USB Contact: 4Pin Phosphor Bronze
5Pin Brass
15u" Gold plating on contact area
100u" tin plating on solder tails
50u" nickel underplating overall
USB Shield: Brass, 50u" nickel plated over all
USB Plastic parts: PA9T Blue 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: -40°C ~ +85°C
Storage Temperature Range: -40°C ~ +85°C