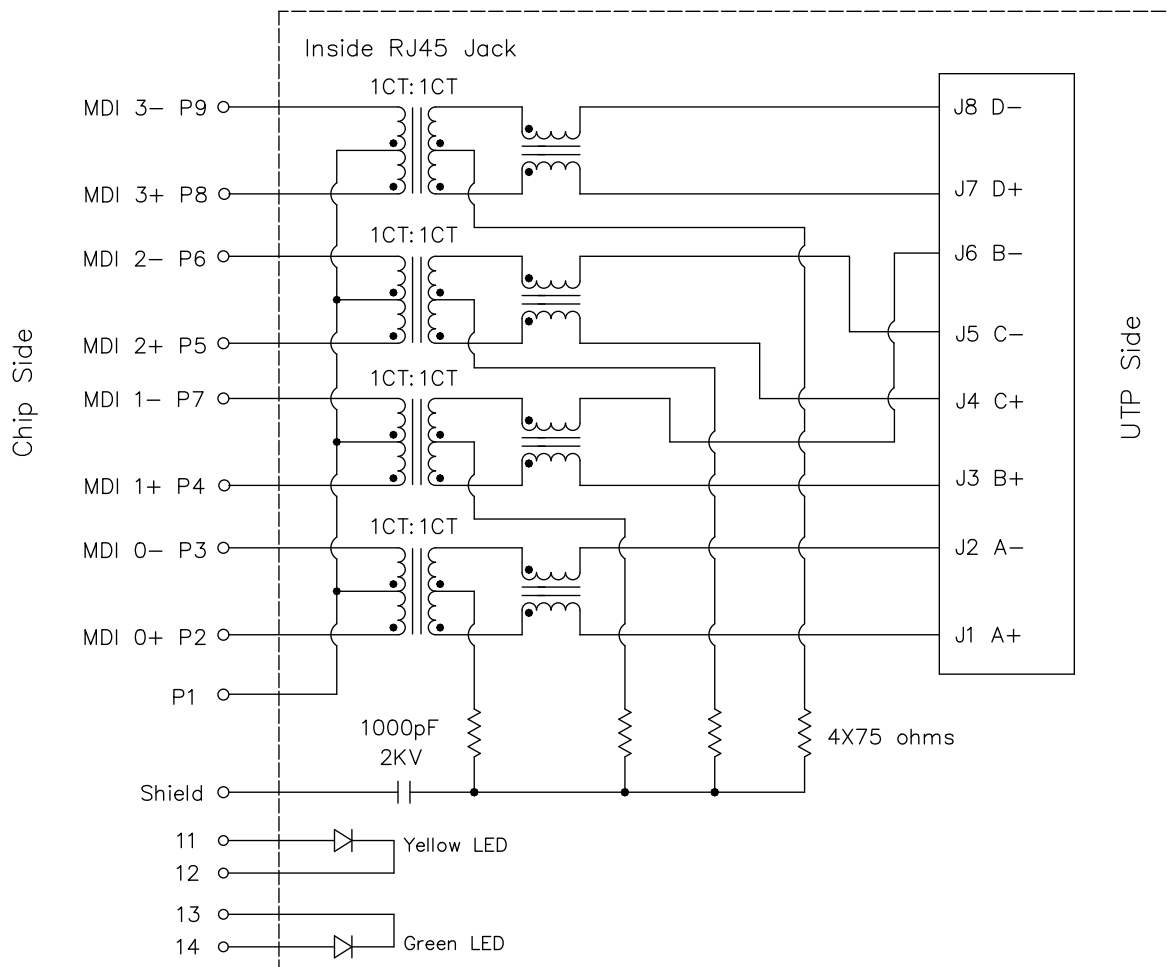


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Electrical Specification @25°C

Isolation:	2250VDC Min.	0.5mA 60sec UTP Side to Chip Side
OCL:	180uH Min.	@100KHz 100mV with 8mADC
Insertion Loss:	-0.5dB Max.	@1MHz ~ 50MHz
Insertion Loss:	-1.0dB Max.	@50MHz ~ 125MHz
Return Loss:	-20dB Min.	@1MHz ~ 40MHz
Return Loss:	-18dB Min.	@40MHz ~ 60MHz
Return Loss:	-16dB Min.	@60MHz ~ 80MHz
Return Loss:	-14dB Min.	@80MHz ~ 100MHz
Return Loss:	-12dB Min.	@100MHz ~ 150MHz
Return Loss:	-9.5dB Min.	@150MHz ~ 200MHz
CDMR:	-30dB Min.	@1MHz ~ 125MHz
CDMR:	-25dB Min.	@125MHz ~ 200MHz
Crosstalk:	-28dB Min.	@1MHz ~ 125MHz
Crosstalk:	-25dB Min.	@125MHz ~ 200MHz

Schematics



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Commercial standards, specifications and Summary:

RoHS Compliant
Meets or Exceeds IEEE802.3bz standards
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

Material Specification:

Housing: PBT GF Black UL94V-0
Shield: 50u" Nickel over 0.20mm Thickness Brass
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
RJ45 Contact pin: PA66 GF Black UL94V-0
Brass; 100u" Tinning
LED Conductor: PC Transparent UL94V-0

Mechanical Performance:

Contact resistance: 30 mΩ Maximum
Mating force: 5 lbs Maximum
Unmating force: 5 lbs Maximum
Operating life: 750 Cycles Minimum

Operating and Storage Temperature:

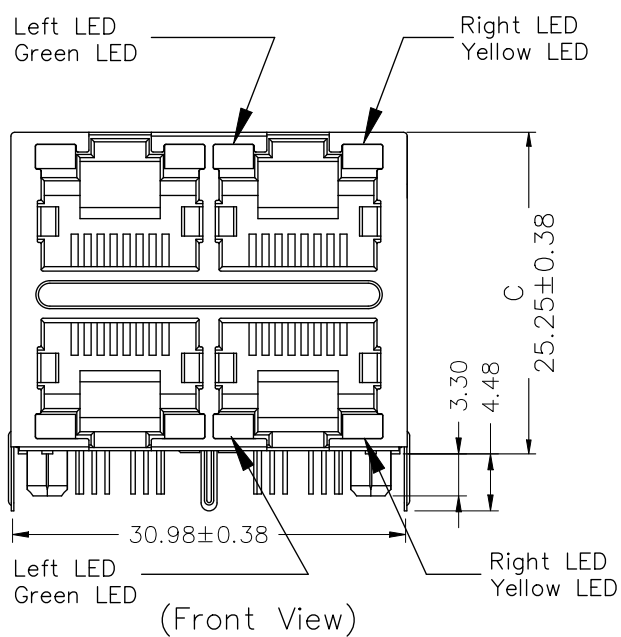
Operating Temperature Range: 0°C ~ +70°C
Storage Temperature Range: -40°C ~ +85°C

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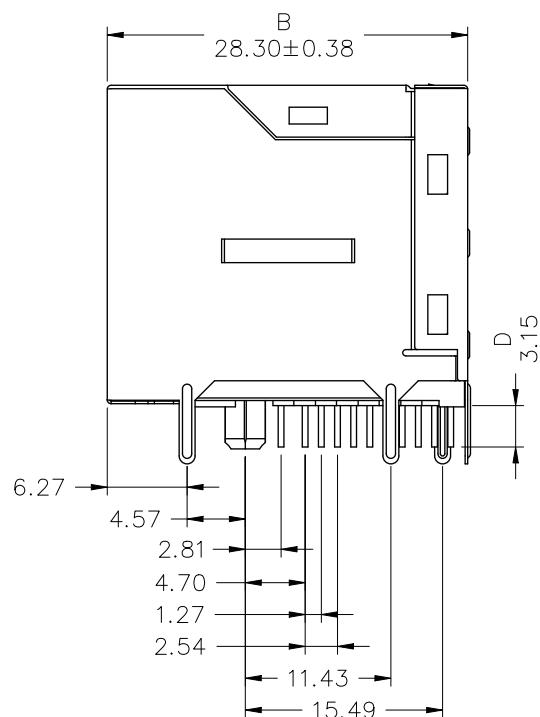
Mechanical Dimensions:



(Top View)



(Front View)



(Side View)

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.: A0

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DRAWED:

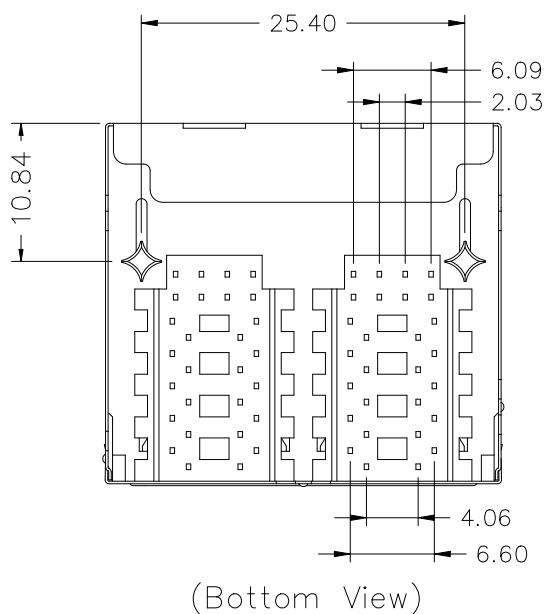
CHECKED:

APPROVED:

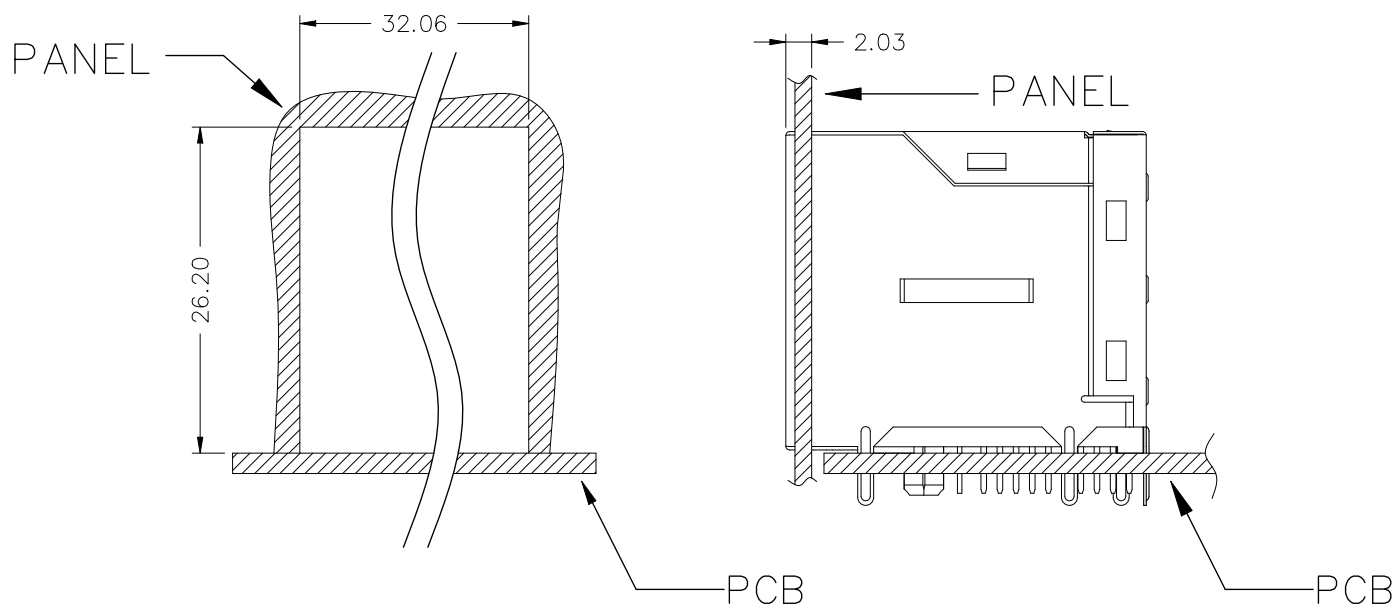
Tel: (0760)86103511 86103508 Fax: (0760)86103686 Post code: 528416

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

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Suggested Panel Cutout:



SUGGESTED PANEL CUTOUT

Dimensions in mm

Unless otherwise specified, Tolerance: .xx ±0.25

REV.: A0

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DRAWN:

CHECKED:

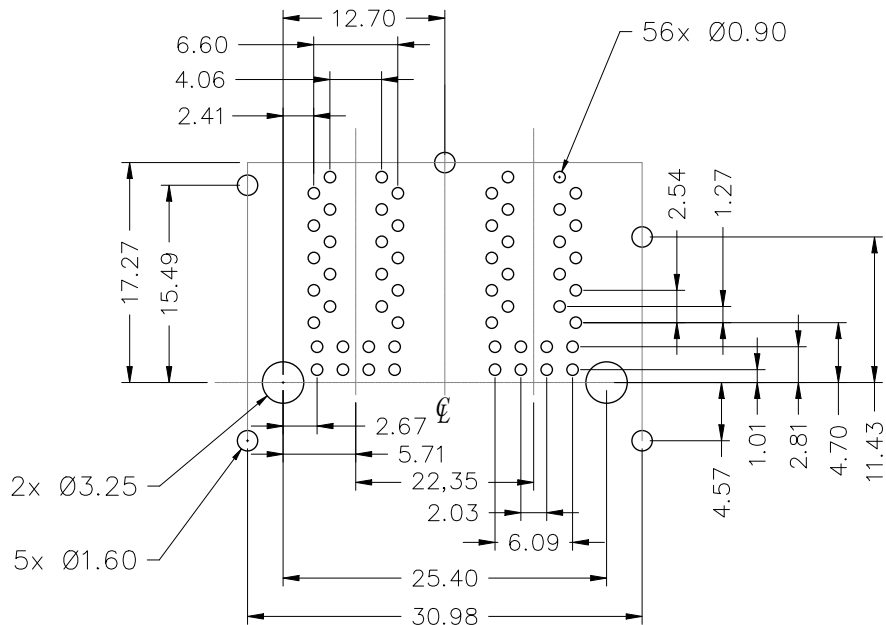
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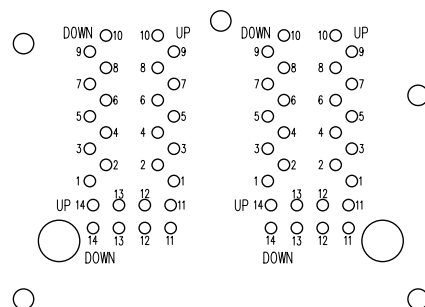
PCB Layout:



(Recommended PCB layout)

All dimension tolerance are ± 0.08 unless otherwise specified

Pin Assignments:



Dimensions in mm

Unless otherwise specified, Tolerance: $.xx \pm 0.25$

REV.: A0

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DRAWN:

CHECKED:

APPROVED:

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