

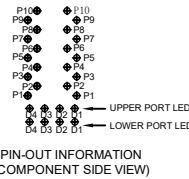
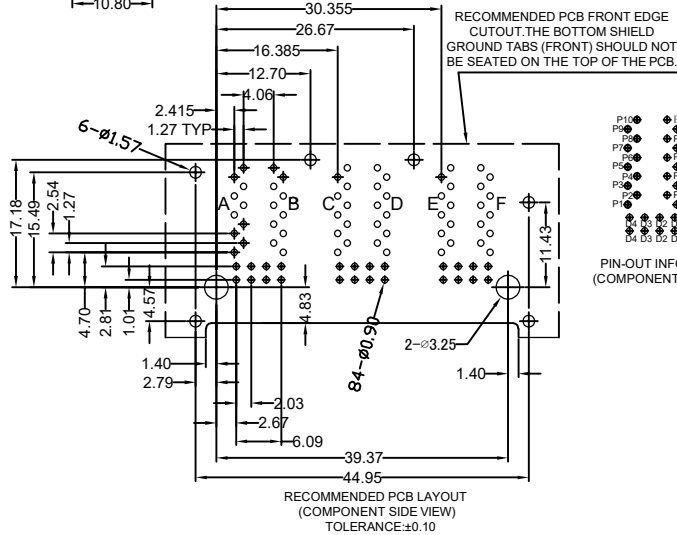
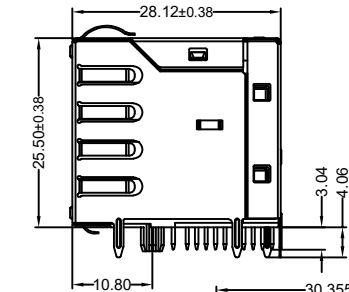
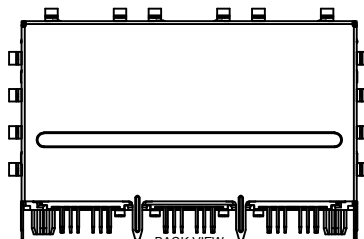
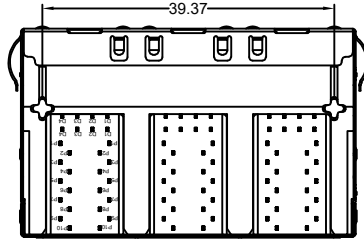
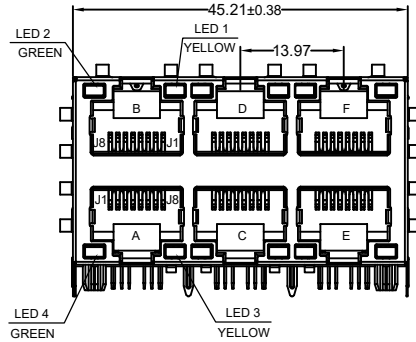
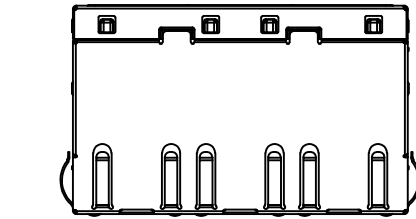
RoHS Compliant

SPECIFICATIONS:

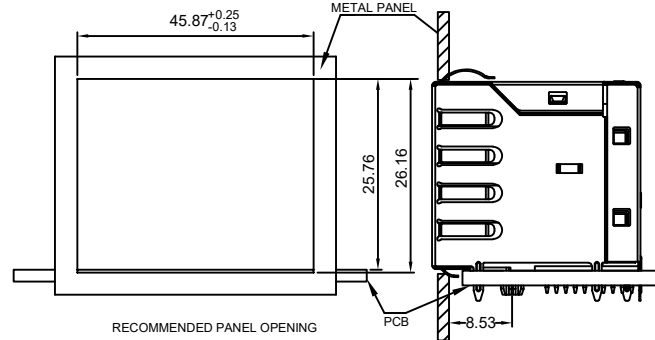
1. COMPLIES WITH IEEE STANDARDS AND ALL 10/100/1000M ETHERNET SPECIFICATIONS INCLUDING 350UH WITH 8MA DC BIAS
2. INTER GRATED MAG-MODULAR DESIGN PROVIDES HIGHER RELIABILITY AND CONSERVES MINIMIZING PCB SPACE
3. HOUSING : THERMOPLASTIC LCP UL94 V0 RATED
4. RJ45 CONTACT : PHOSPHOR BRONZE C5210,THICKNESS=0.30MM PLATED NICKEL 50U" MIN, 6U" GOLD PLATED ON CONTENT AREA
5. INPUT TERMINAL : BRASS, THICKNESS=0.30MM FINISH : 120U"MIN TIN OVER 50U" MIN NICKEL
6. METAL SHIELDING : COPPER ALLOY WITH NICKEL PLATED (C2680) THICKNESS=0.20MM NICKEL 30U" MIN
7. DIFFERENT COLOR OF LEDS OPTION AVAILABLE
8. OPERATING TEMPERATURE : -40°C TO +85°C
9. STORAGE TEMPERATURE : -40°C TO +85°C

NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)



PART NO. INFORMATION

RJ01- 3 1 B X - 205

CONTACT PLATED
1: G/F 2: AU 3U"
3: AU 6U" 4: AU 10U"
5: AU 15U" 6: AU 30U"

LED LIGHT
1.L-GREEN R-YELLOW

PACKAGE
R: TAPE REEL
T: TRAY

HOUSING:
B:LCP BLACK

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	±	0.35	X.	±	3'
.XX	±	0.25	.X.	±	2'
.XXX	±	0.15	.XX.	±	1'

Website: www.bsc-elec.com

Email: bestcreate@bsc-elec.com

DESIGN: DATE:

I. L 2017. 3. 1

CHECKED: DATE:

C. W 2017. 3. 1

APPROVED: DATE:

C. W 2017. 3. 1

TITLE:

RJ45 2X3 FEMALE CONNECTOR WITH LED LIGHT 1000Mbps

MATERIAL:

FINISH:

PART NO:

RJ01-31AX-205

DWG NO:

RJ01-31AX-205

SIZE:

A4

1 OF 2

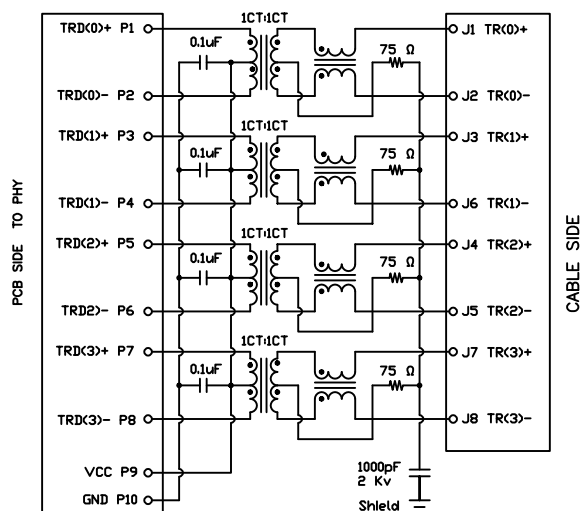
REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS
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RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

SCHEMATIC:



ELECTRICAL SPECIFICATIONS (25°C±5°C) :

1. TRANSMITTER FILTER & RECEIVER FILTER

1.1 INSERTION LOSS:

-1.1dB MAXIMUM AT 1MHz TO 100MHz;

1.2 RETURN LOSS(Load:100 ohms):

-16dB MINIMUM AT 1MHz TO 40MHz
-10+20LOG(F/80)dB MINIMUM AT 40MHz TO 100MHz

2. COMMON TO COMMON MODE REJECTION:

-30dB MINIMUM AT 1MHz TO 100MHz

3. CROSS TALK:

-35dB MINIMUM AT 1MHz TO 40MHz
-33+20Log(F/50)dB MINIMUM AT 40MHz TO 100MHz

4 .LX:(100KHz,100mV,8mA, DC Bias)

PINS: (P1,P2),(P3,P4),(P5,P6),(P7,P8)=350uH MINIMUM

5. HI-POT TEST:

PINS:(P1-P2) TO (J1-J2) : 1500V AC 60S OR 2250VDC 60S

PINS:(P3-P4) TO (J3-J6) : 1500V AC 60S OR 2250VDC 60S

PINS:(P5-P6) TO (J4-J5) : 1500V AC 60S OR 2250VDC 60S

PINS:(P7-P8) TO (J7-J8) : 1500V AC 60S OR 2250VDC 60S



LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
D4	D3	COLOR	D2	D1	COLOR
+	-	GREEN	+	-	YELLOW

LED ELECTRICAL / OPTICAL CHARACTERISTICS:			
COLOR	IF	VF(FORWARD VOLTAGE)	AD DOMINANT WAVELENGTH
GREEN	20mA	2.2 V	565nm
YELLOW	20mA	2.2 V	585nm

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	±	0.35	X'	±	3'
.XX	±	0.25	.X"	±	2"
.XXX	±	0.15	.XX"	±	1"

Website:www.bsc-elec.com

Email:bestcreate@bsc-elec.com

DESIGN:

DATE:

I. L

2017. 3. 1

CHECKED:

DATE:

C. W

2017. 3. 1

APPROVED:

DATE:

C. W

2017. 3. 1

TITLE:

RJ45 2X3 FEMALE CONNECTOR WITH LED LIGHT 1000Mbps

MATERILA:

PART NO:

RJ01-31AX-205

SIZE:

A4

FINSH:

DWG NO:

RJ01-31AX-205

2 OF 2

REV:

A

UNIT

mm

SCALE

1=1

QUALITY
SYMBOLS

