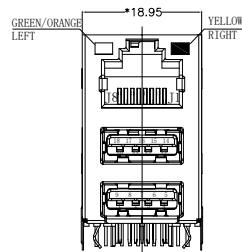


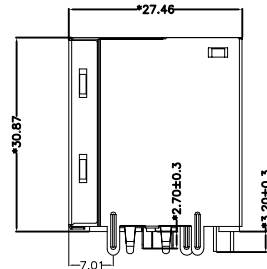
RoHS Compliant

REVISIONS

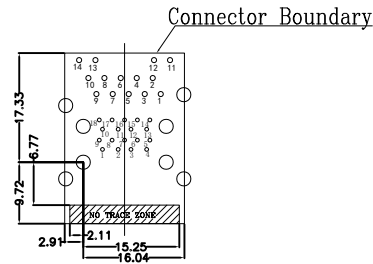
REV.	DESCRIPTION	DATE	DESIGN



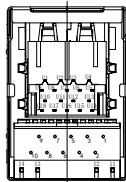
FRONT VIEW



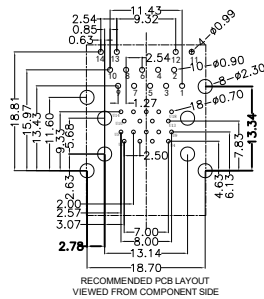
RIGHT SIDE VIEW



Plug In Side



BOTTOM VIEW



RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE

MATERIAL:

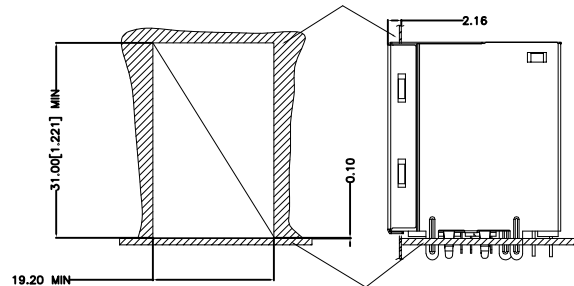
HOUSING: PBT,UL94V-0,BLACK.
USB HOUSING: PBT,UL94V-0,BLUE.
TERMINALS BRACKET: PBT,UL94V-0,BLACK.
SHIELD: SUS304.
TERMINAL: PHOSPHOR BRONZE C5191,T=0.35MM,
30U" GOLD PLATING ON CONTACT AREA.
USB TERMINAL: BRASS,T=0.25MM,
6U" GOLD PLATING ON CONTACT AREA.

MECHANICAL:

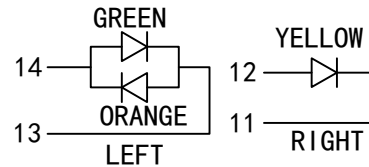
DURABILITY: 750 CYCLES MIN.
MATING FORCE: 23N MAX.
OPERATING TEMPERATURE: -40°C~+85°C.
STORAGE TEMPERATURE: -40°C~+85°C.
ALL CRITICAL DIMENSIONS WITH "*"

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565nm	20mA	2.2-2.4V
Yellow	595nm	20mA	2.1-2.5V
Orange	605nm	20mA	2.0-2.5V

METAL PANEL



PCB



LED Specification

PART NO. INFORMATION **RJ01- 3 5 A X - 204**

CONTACT PLATED

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

PACKAGE
R: TAPE REEL
T: TRAY

LED COLOR

5.L-GREEN&ORANGE R-YELLOW

HOUSING

A:PBT 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+DUAL USB 3.0 FEMALE CONNECTOR DIP TYPE 1000Mbps

MATERILA:

PART NO:

RJ01-35AX-204

SIZE:

A4

FINSH:

DWG NO:

RJ01-35AX-204

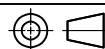
1 OF 3

REV:
A

UNIT
mm

SCALE
1=1

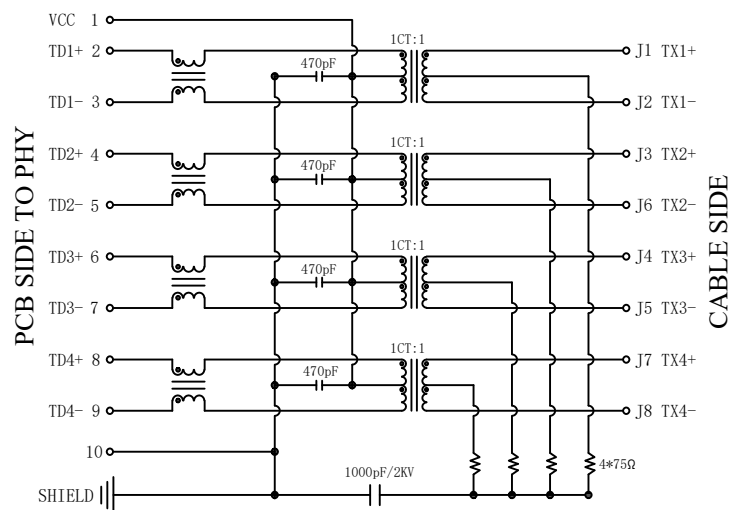
QUALITY
SYMBOLS



RoHS Compliant

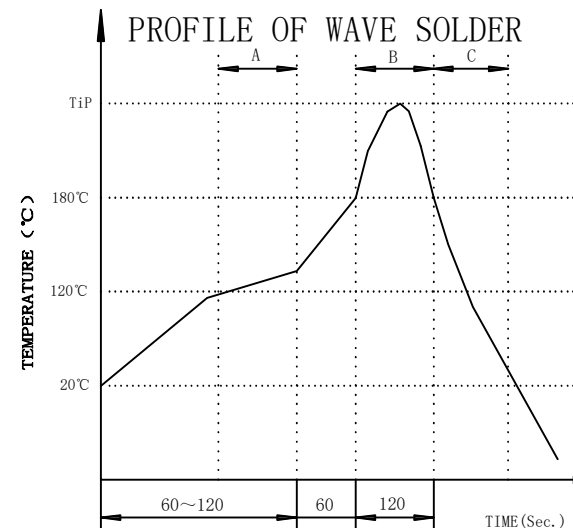
REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



Electrical:

- Turn ratio: 2~3: J1~J2=1CT:1CT($\pm 2\%$).
4~5: J3~J6=1CT:1CT($\pm 2\%$).
6~7: J4~J5=1CT:1CT($\pm 2\%$).
8~9: J7~J8=1CT:1CT($\pm 2\%$).
- OCL: 350uH Min.at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
-1.2 dB Max 100~125MHz.
- Return loss: -16dB Min 1~40MHz;
-12dB Min 40~60MHz.
-10dB Min 60~80MHz.
-8dB Min 80~100MHz.
- Cross talk: -30dB Min 1~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 2250V DC 6S 1mA PRI TO SEC



Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted, but it won't affect its function.

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	$\pm$ 0.35	X'	$\pm$ 3'
.XX	$\pm$ 0.25	.X'	$\pm$ 2'
.XXX	$\pm$ 0.15	.XX'	$\pm$ 1'

Website: www.bsc-elec.comEmail: 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+DUAL USB 3.0 FEMALE CONNECTOR DIP TYPE 1000Mbps

MATERILA:

PART NO:

RJ01-35AX-204

SIZE:

A4

FINSH:

DWG NO:

RJ01-35AX-204

2 OF 3

1		2		3		4		5		6		7		8																																									
RoHS Compliant										REVISIONS																																													
										REV.		DESCRIPTION		DATE		DESIGN																																							
USB 3.0 GEN 1 Standard-A Schematic																USB 3.0 GEN 1 Standard-A connector Pin Assignment																																							
PHY Side VBUS 1(10) 2(11) D- 3(12) D+ 4(13) GND 5(14) RX- 6(15) RX+ 7(16) GND 8(17) TX- 9(18) TX+ Cable Side 1(10) VBUS 2 (11)D- 3 (12)D+ 4(13) GND 5(14) RX- 6(15) RX+ 7(16) GND 8(17) TX- 9(18) TX+																<table><tr><th>Pin Number</th><th>Signal Name</th><th>Description</th><th>Mating Sequence</th></tr><tr><td>1&10</td><td>VBUS</td><td>Power</td><td>Second</td></tr><tr><td>2&11</td><td>D-</td><td rowspan="2">USB 2.0 Differential pair</td><td rowspan="2">Third</td></tr><tr><td>3&12</td><td>D+</td></tr><tr><td>4&13</td><td>GND</td><td>Ground for power return</td><td>Second</td></tr><tr><td>5&14</td><td>StdA_SSRX-</td><td rowspan="2">Super speed receiver differential pair</td><td rowspan="4">Last</td></tr><tr><td>6&15</td><td>StdA_SSRX+</td></tr><tr><td>7&16</td><td>GND_DRAIN</td><td>Ground for Signal return</td></tr><tr><td>8&17</td><td>StdA_SSTX-</td><td rowspan="2">Surper speed transmitter differential pair</td></tr><tr><td>9&18</td><td>StdA_SSTX+</td></tr><tr><td>Shell</td><td>Shield</td><td>Connector metal shell</td><td>First</td></tr></table>				Pin Number	Signal Name	Description	Mating Sequence	1&10	VBUS	Power	Second	2&11	D-	USB 2.0 Differential pair	Third	3&12	D+	4&13	GND	Ground for power return	Second	5&14	StdA_SSRX-	Super speed receiver differential pair	Last	6&15	StdA_SSRX+	7&16	GND_DRAIN	Ground for Signal return	8&17	StdA_SSTX-	Surper speed transmitter differential pair	9&18	StdA_SSTX+	Shell	Shield	Connector metal shell	First
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