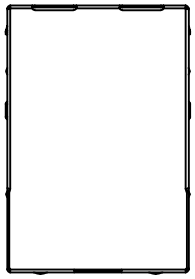
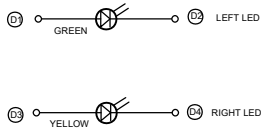
RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN

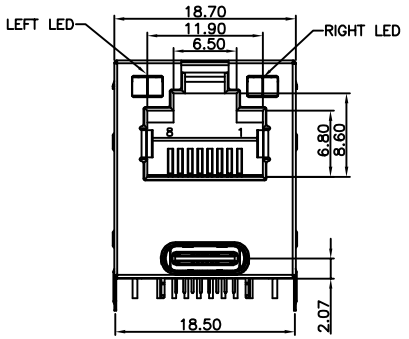
1.Mechancial:

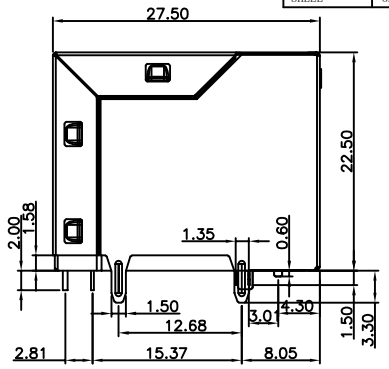


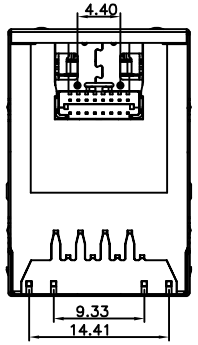


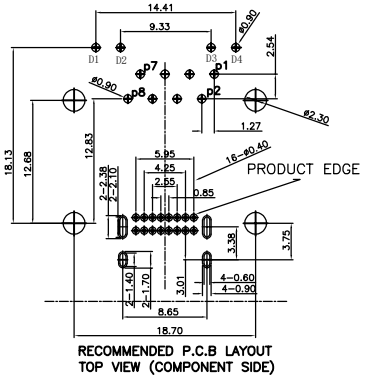
LED Color	λ P(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.4 V	10 uA max
YELLOW	585	1.8~2.4 V	10 uA max
ORANGE	605	1.8~2.4 V	10 uA max

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A4	VBUS	First	B9	VBUS	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	VBUS	First	B4	VBUS	First
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND









RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)

2.Notes:

1.Meets for exceeds IEEE802.3 standards.
2.Materials:
2.1.RJ45Housing : Thermo plastics,PBT ,BK,UL94V-0.
2.2.Insert Base : Thermo plastics.PBT.BK.UL94V-0.
2.3.Contact : Phosphor Copper
2.4.Shell : C2680 . 30u Min Nickel plating overall.
2.5.RJ45 Terminal material : C5191-EH.
Plating specification :
Gold plating Flash on contact area.;
30u" min Ni underplating over all;
80u"tin Plating on solder tail area.

TYPE-C
1.MATERIAL:
1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0;
1.2 CONTACT: COPPER ALLOY(T=0.15mm)
1.3 SHELL:STAINLESS STEEL(T=0.30mm)
2.ELECTRICAL CHARACTERISTICS;
2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.
2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
2.4 INSULATION RESISTANCE 100MΩ Min
2.5 OPERATING TEMPERATURE: -40°C ～ 105°C
3 MECHANICAL CHARACTERISTICS:
3.1 MATING FORCE: 5~20 N Max
3.2 UNMATED FORCE: 8~20N AFTER TEST
3.3 DURABILITY: 10,000 CYCLES
4.PLATING
4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
4.2 SHELL: 50u" Min. NICKEL ALL OVER,

PART NO. INFORMATION

U3116RJ01- X 5 0 X - 017

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

LED LIGHT
0:LEFT-YELLOW R:GREEN

PACKAGE
R: TAPE REEL
T: TRAY

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+USB3.1 TYPE C 16P CONNECTOR WITH LED LIGHT LEFT YELLOW RIGHT GREEN

REV:	UNIT	SCALE	QUALITY SYMBOLS
A	mm	1=1	

MATERILA:	PART NO:	SIZE:
	U3116RJ01-X50X-017	A4
FINSH:	DWG NO:	
	U3116RJ01-X50X-017	1of1