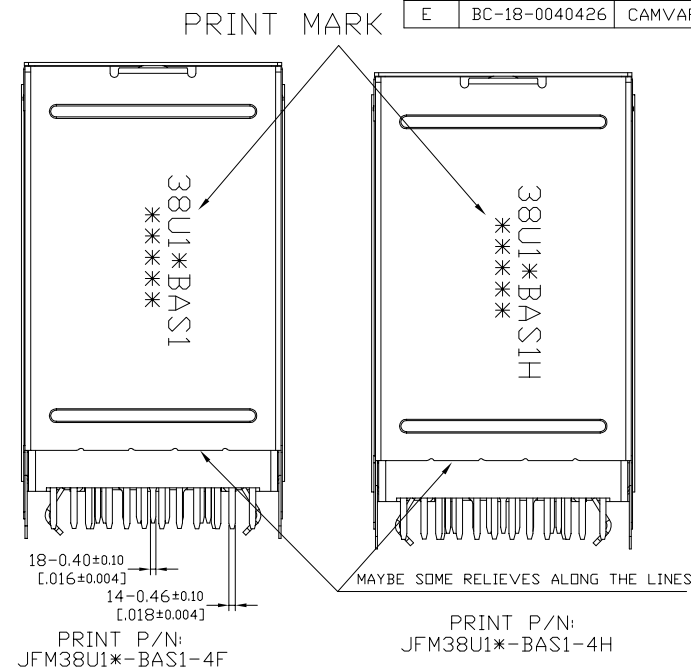
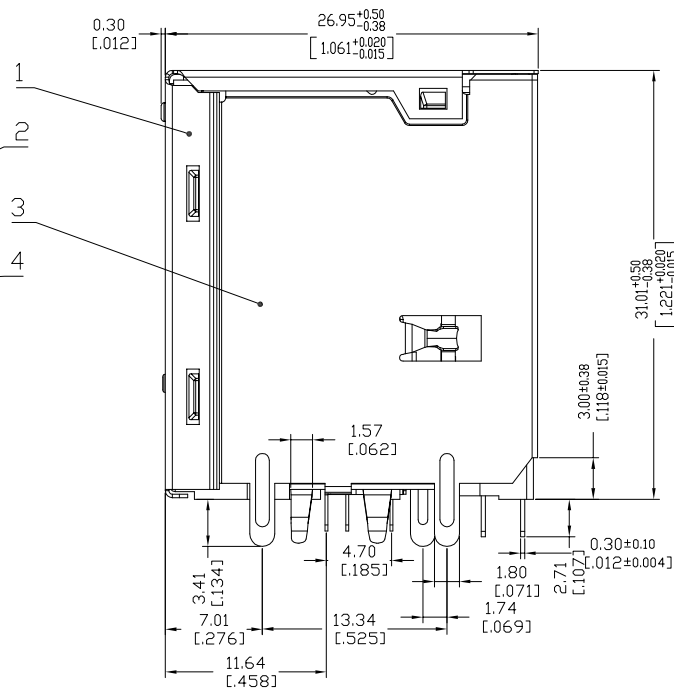
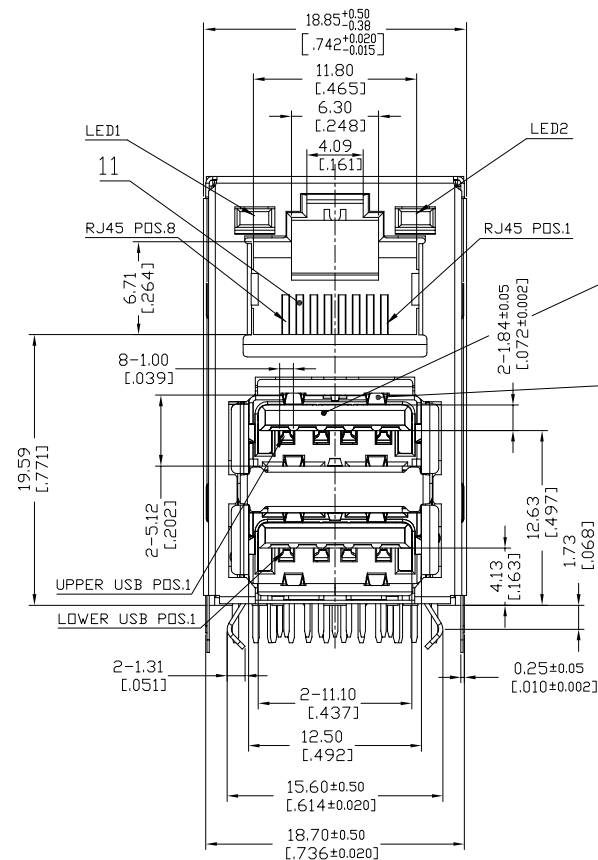


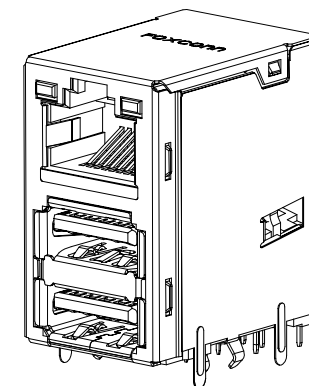
REV.	ECN.	NO.	APPD.
A	BC-15-0012467	ARTHUR.H	
B	BC-15-0036914	ARTHUR.H	
C	BC-17-0031126	CAMVARD	
D	BC-18-0018734	CAMVARD	
E	BC-18-0040426	CAMVARD	



NOTES (UNLESS OTHERWISE SPECIFIED)

- RJ45 TO BE BASED UPON FCC 68.5
- STACKED USB TO BE BASED UPON USB 3.1 SPECIFICATION
- RECOMMENDED PCB THICKNESS: 1.57^{+0.05}/_{-0.02}
- SOLDER CONDITION: WAVE SOLDER PEAK TEMPERATURE 270°C 6-10 SECONDS
- PRINT MARK:

① 38U1*BAS1	PART NO	① 38U1*BAS1H	PART NO
② ****	DATE CODE	② ****	DATE CODE
FOR JFM38U1*-BAS1-4F		FOR JFM38U1*-BAS1-4H	
- PRODUCT TO BE COMPLY WITH REQUIREMENT OF RoHS



X.±	X.±	UNITS MM [INCH]	NAME(INTENDED USE) CUSTOMER	FOXCONN® FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
.X±	.X±	MAT'L N/A	PART NO.(INTENDED USE) JFM38U1*-BAS1-4*	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XX±0.25[.010]	.XX±	FINISH N/A	APPD: CAMVARD 10/15'18	TITLE: RJ45 MODULAR JACK W/LEDS OVER STACKED USB3.1 RECEPTACLE
.XXX±	.XXX±	Q'TY N/A	CHKD: J.S.Hu 10/15'18 DRAW: Hailong Fu 10/15'18	DWG NO.: 305-0000-5980
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				SHEET 1/5
				REV. E

SEE SHEET 1/5

12	USB REAR SHIELDING	1	STAINLESS STEEL SUS304 3/4H T=0.20±0.02mm	CLEANING
11	RJ45 CONTACT	8	PHOSPHOR BRONZE C5191R-H T=0.30±0.02mm	30u" MIN. FPT PLATING AT CONTACT FUNCTION AREA 100~200u" LEAD FREE TIN PLATING AT SOLDERING AREA 50~100u" NICKEL UNDERPLATING
10	LIGHTER	2	LED	LED1 X 1 LED2 X 1
9	USB CONTACT	18	BRASS METAL JIS C2680R-SH T=0.20±0.02mm	1u" Min Gold AND 30u" Pd/Ni MIN AT CONTACT AREA, 100u" Min LEAD FREE TIN ALLOY AT TERMINATION, 50u" Min NICKEL UNDERPLATING OVER ALL.
8	TRANSFORMER MODULE	1		
7	FOOT CONTACT	14	BRASS JIS C2680R-SH T=0.30±0.02mm	100~200 u" LEAD FREE TIN PLATING ALL 50~100u" NICKEL UNDERPLATING
6	USB HOUSING	2	PA66 UL 94V-0	MOLDED COLOR: BLACK
5	FRAME HOUSING	1	PBT UL 94V-0	MOLDED COLOR: BLACK
4	USB SHELL	1	STAINLESS STEEL SUS304 3/4H T=0.30±0.02mm	30u" Min NICKEL PLATING ONLY AT TAIL, 50u" Min TIN PLATING ONLY AT TAIL, NO PLATING ON THE OTHER AREA.
3	REAR SHELL	1	STAINLESS STEEL SUS304 3/4H T=0.15±0.02mm	10~100u" NICKEL UNDERPLATING, 30~200u" Sn PLATED AT TAB AREA
2	USB INSERT HOUSING	2	PA66 UL 94V-0	MOLDED COLOR: BLUE, PANTONE 300C
1	FRONT SHELL	1	STAINLESS STEEL SUS304 1/2H T=0.25±0.02mm	CLEANING
ITEM	DESC.	Q'TY	MATERIAL	TREATMENT

REMARK:

JFM

3

8

U

1

*

— B A S 1 —

4

*

RJ WITH MAGNETIC

PROTOCOL TYPE:
3=10/100/1000
BASE T

CORE COUNT:
8=8 CORE

CONFIGURATION:
U=COMBO USB

PCB ATTACH METHOD
1=SOLDER
TAIL

LEDs
(SEE SHEET 3/5)

EXTENSION NO.

PACKAGING
4: SOFT TRAY

MATERIAL:
H: HALOGEN FREE
F: LEAD FREE

X.±	X.±	UNITS MM [INCH]	NAME(INTENDED USE) CUSTOMER	FOXCONN® FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
.X±	.X*±	MAT'L N/A	PART NO.(INTENDED USE) JFM38U1*-BAS1-4*	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL
.XX±	.XX*±		APPD: CAMVARD 10/15'18	TITLE: RJ45 MODULAR JACK W/LEDS OVER STACKED USB3.1 RECEPTACLE
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NOTES :UNLESS OTHERWISE SPECIFIED

6. ALL SHIELDING PINS TO BE CONNECTED TO SHELL GROUNDING.

7. ELECTRICAL SPECIFICATIONS @ 25°C:

INSERTION LOSS

RETURN LOSS

CMRR

CROSSTALK

HI-POT<ISOLATION VOLTAGE>

TURN'S RATIO:

PRI VS SEC

PRIMARY INDUCTANCE<OCL> @ 100KHz/100mVRMS

8mA DC BIAS<P20-P21>,(P22-P23),(P24-P25),(P26-P27)

-1.2dB Max. @ 1 -100MHz;

-18dB Min. @ 1 -40MHz;

-12+20Log<f/80> Min. @ 40-100MHz;

-30dB @ 1-100MHz; MIN.

-30dB @ 1-100MHz; MIN

1500 Vrms

1CT : 1CT ±3%

100KHz/100mVRMS

350uH MIN.

SEE SHEET 1/5

PHY SIDE

SCHEMATIC

CABLE SIDE

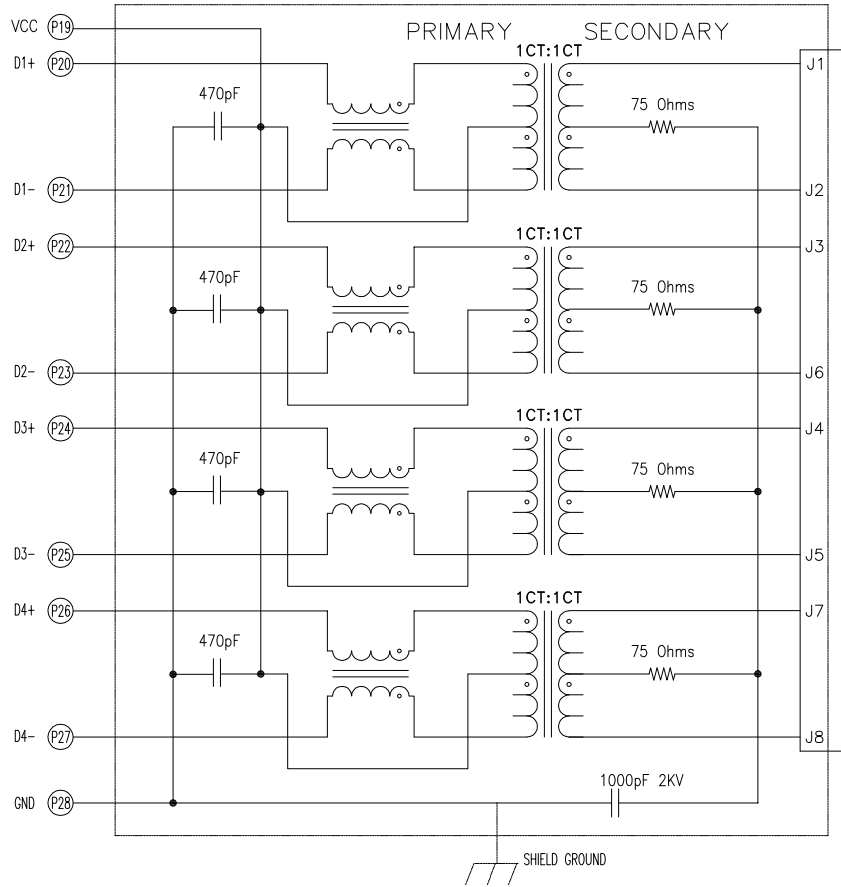
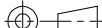


FIG 1

JFM38U1M-BAS1-4*	29 YELLOW	30	31 ORANGE	32
JFM38U1K-BAS1-4*	29 ORANGE	30	31 GREEN	32
JFM38U1J-BAS1-4*	29 GREEN	30	31 GREEN	32
JFM38U1H-BAS1-4*	29 ORANGE	30	31 GREEN	32
JFM38U1G-BAS1-4*	29 YELLOW	30	31 GREEN	32
JFM38U1F-BAS1-4*	29 GREEN	30	31 ORANGE	32
JFM38U1B-BAS1-4*	29 GREEN	30	31 YELLOW	32
JFM38U1A-BAS1-4*	29 GREEN	30	31 YELLOW	32
JFM38U14-BAS1-4*	29 YELLOW	30	31 YELLOW	32
JFM38U13-BAS1-4*	29 GREEN	30	31 YELLOW	32
JFM38U12-BAS1-4*	29 GREEN	30	31 GREEN	32
JFM38U11-BAS1-4*	29 YELLOW	30	31 GREEN	32
JFM38U10-BAS1-4*	NONE	NONE	NONE	NONE
PART NO.	LED1	LED2		

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.XX±	.XX*±	FINISH N/A	APPD: CAMVARD 10/15'18	TITLE: RJ45 MODULAR JACK W/LEDS OVER STACKED USB3.1 RECEPTACLE
.XXX±	.XXX*±	Q'TY N/A	CHKD: J.S.Hu 10/15'18 DRAW: Hailong Fu 10/15'18	DWG NO.: 305-0000-5980
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X.±	X.±	UNITS MM	NAME(INTENDED USE) CUSTOMER	FOXCONN® FOXCONN INTERCONNECT TECHNOLOGY LIMITED		
.X±	.X*±	MAT'L N/A	PART NO.(INTENDED USE) JFM38U1*-BAS1-4*	CLASS: ☐ CONFIDENTIAL ☐ SECRET ☒ GENERAL		
.XX± 0.05 [.002]	.XX*±	FINISH N/A	APPD: CAMVARD 10/15'18	TITLE: RJ45 MODULAR JACK W/LEDS OVER STACKED USB3.1 RECEPTACLE		
.XXX±	.XXX*±		Q'TY N/A	CHKD: J.S.Hu 10/15'18	DWG NO.: 305-0000-5980	
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PIN NUMBER	SIGNAL NAME	DESCRIPTION
1 10	VBUS	POWER
2 11	D-	USB 2.0 DIFFERENTIAL PAIR
3 12	D+	
4 13	GND	GROUND FOR POWER RETURN
5 14	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR
6 15	StdA_SSRX+	
7 16	GND_DRAIN	GROUND FOR SIGNAL RETURN
8 17	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR
9 18	StdA_SSTX+	

NOTES :UNLESS OTHERWISE SPECIFIED

1. LED'S CHARACTERISTICS:

FORWARD VOLTAGE IF=20mA GREEN 1.80~2.60V
DOMINANT WAVELENGTH IF=20mA GREEN 564~574nm

LUMINOUS INTENSITY IF=20mA GREEN 4~16mcd

FORWARD VOLTAGE IF=20mA YELLOW 1.80~2.40V

DOMINANT WAVELENGTH IF=20mA YELLOW 584~592nm

LUMINOUS INTENSITY IF=20mA YELLOW 2~12mcd

FORWARD VOLTAGE IF=20mA ORANGE 1.80~2.40V

DOMINANT WAVELENGTH IF=20mA ORANGE 600~605nm

LUMINOUS INTENSITY IF=20mA ORANGE 2~12mcd

2. MECHANICAL CHARACTERISTICS:

2-1. CONNECTOR MATING FORCES: 4.5LBS MAXIMUM WITH LATCH DEPRESSED.
CONNECTOR UNMATING FORCE: 4.5LBS MAXIMUM WITH LATCH DEPRESSED AT AN ADVANTAGEOUS ANGLE.

2-2. DURABILITY (MATING/UNMATING CYCLES): 1000 CYCLES.

2-3. OPERATING TEMPERATURE: -30°C TO +85°C.

STORAGE TEMPERATURE: -40°C TO +100°C.

USB SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:

1-1.CONTACT CURRENT RATING:

1.8A FOR V-BUS AND GND PIN.

0.25A MIN. FOR ALL OTHER CONTACTS.

1-2.CONTACT RESISTANCE:

30 mOHMS MAX FOR V-BUS AND GND CONTACTS.

50 mOHMS MAX. FOR OTHER CONTACTS.

1-3.DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC MIN.

1-4.INSULATION RESISTANCE: 100 MOHMS MIN..

2. MECHANICAL CHARACTERISTICS:

2-1.CONNECTOR MATING FORCE : 3.5 Kgf MAX..

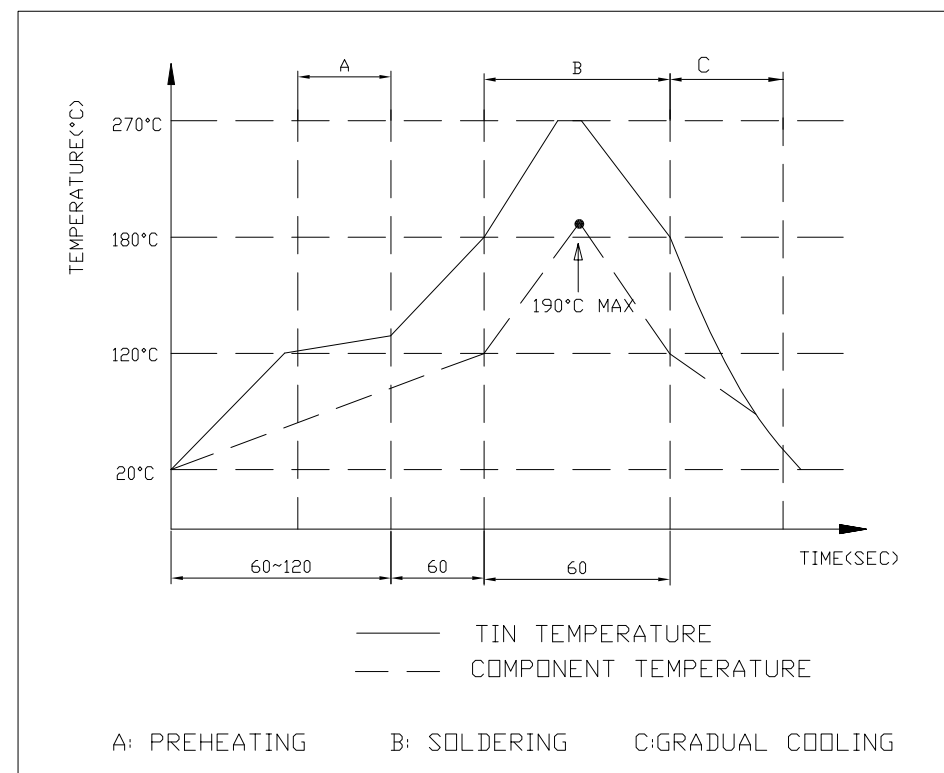
2-2.CONNECTOR UNMATING FORCE : 1.0 Kgf MIN..

2-3.DURABILITY : 1500 CYCLES.

2-4.OPERATING TEMPERATURE: -30°C TO +85°C.

STORAGE TEMPERATURE: -40°C TO +100°C.

PROFILE OF WAVE SOLDER:



SUGGESTED WAVE SOLDER CURVE

(1) PEAK TEMPERATURE: 270°C

(2) PEAK TEMPERATURE TIME: 6~10 SECONDS .

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