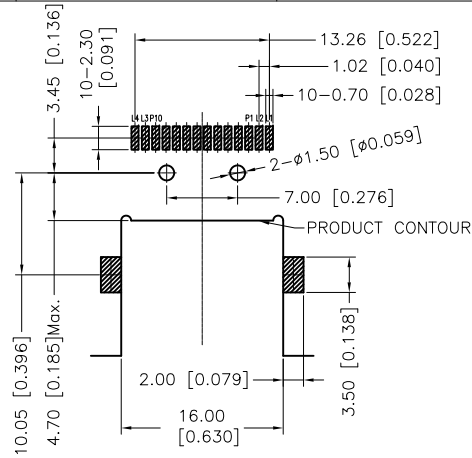
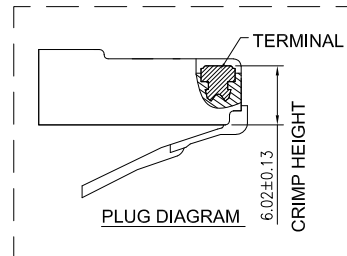
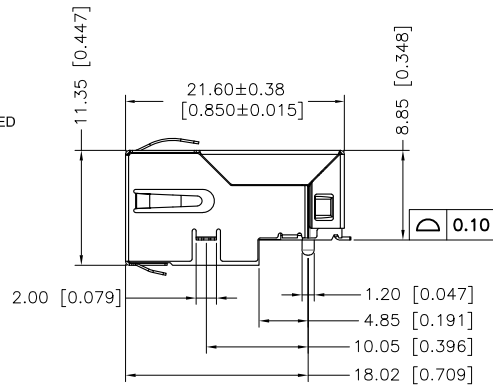
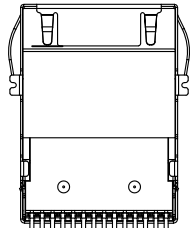
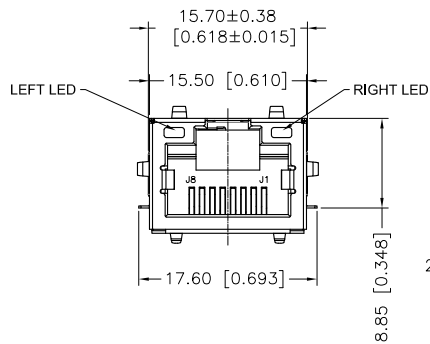
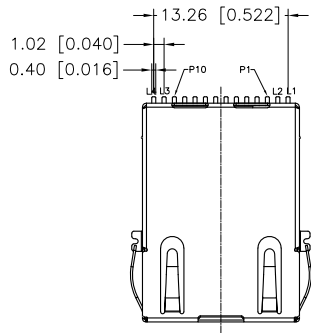
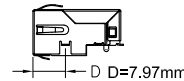
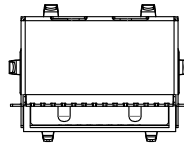




1. MECHANICAL DIMENSIONS:



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)



1. MATERIAL

- HOUSING : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, LCP, BLACK, HSF
- CASE : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, LCP BLACK, HSF
- RJ CONTACTS : PHOSPHOR BRONZE
- PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 30U"MIN NICKEL OVERALL
- SOLDER TAIL TERMINAL : BRASS
- PLATING : 100U" TIN MIN OVER 30U"MIN NICKEL OVERALL
- SHIELD : SUS304, THICKNESS=0.2MM
- PLATING : 30U"MIN NICKEL OVERALL

2. RJ45 SPECIFICATIONS

- INSULATION RESISTANCE : 500 MOHMS MIN
- INSERTION FORCE WITH THE LATCH DEPRESSED : 22N MAX
- REMOVAL FORCE WITH THE LATCH DEPRESSED : 44N MAX
- DURABILITY : 750 CYCLES

3. OPERATING AND STORAGE TEMPERATURE

- OPERATING TEMPERATURE : -40°C TO +85°C
- STORAGE TEMPERATURE : -40°C TO +85°C

- 4. SUGGESTED TEMPERATURE CONDITION OF REFLOW SOLDERING:
260±3°C FOR 10 SECONDS MAX.

TOLERANCE(公差):

0.000mm ± 0.15mm
0.00mm ± 0.25mm
0.0mm ± 0.38mm

VITALCON
a vital connector company

FOR YOUR
VITAL CONNECTION

TITLE: RJ45 ICM 1GBASE-T W/ LED

DRAWN BY: Zou Long

PART NO: J11SG113DLC7

SHEET: 1 OF 2

REV: A0

CHECKED BY: Bob

DWG NO: VTC-TZ-00212

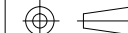
SIZE: A4

UNIT: mm

FCN: C7

APPROVED BY: QPF

PROJECTION:



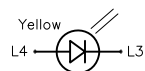
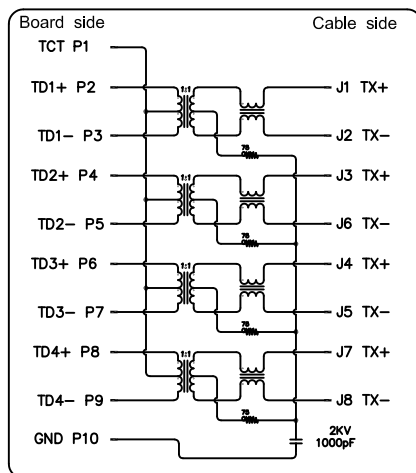
<http://www.vitalconn.com>

For technical support, please send an email to support@vitalconn.com

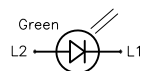


REV:	ECN. NO.	NAME	DATE

2. SCHEMATIC:



LEFT LED



RIGHT LED

Emitting Color	λ_p (nm)	$V_f @ I_f=20mA$	$I_r @ V_r=5V$
Green	568	1.7V~2.6V	10 μ A max.
Yellow	588	1.7V~2.6V	10 μ A max.

3. ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
- 1~100 MHz -1.0dB MAX.
2. RETURN LOSS(LOAD 100 Ω) :
- 1~40 MHz -18dB MIN
- 40~100 MHz -12+20LOG(f/80MHz)dB MIN
3. COMMON MODE REJECTION
- 1~100 MHz -30dB MIN
4. CROSS TALK
- 1~100 MHz -30dB MIN
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
- (P2-P3),(P4-P5),(P6-P7),(P8-P9) : 350 uH MIN
6. HI-POT TEST
- BOARD SIDE TO CABLE SIDE : 2250VDC 60S
7. TURNS RATION 100KHz
- (P2-P3) : (J1-J2) = 1:1 $\pm$ 3%
- (P4-P5) : (J3-J6) = 1:1 $\pm$ 3%
- (P6-P7) : (J4-J5) = 1:1 $\pm$ 3%
- (P8-P9) : (J7-J8) = 1:1 $\pm$ 3%

TOLERANCE(公差):

0.000mm $\pm$	0.15mm
0.00mm $\pm$	0.25mm
0.0mm $\pm$	0.38mm



FOR YOUR
VITAL CONNECTION

TITLE: RJ45 ICM 1GBASE-T W/ LED

DRAWN BY:	Zou Long	PART NO:	J11SG113DLC7	SHEET:	2 OF 2	REV:	A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00212	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com			

For technical support, please send an email to support@vitalconn.com