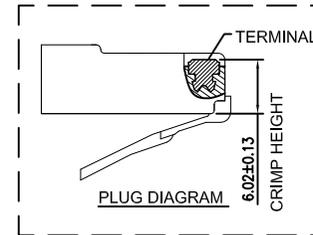
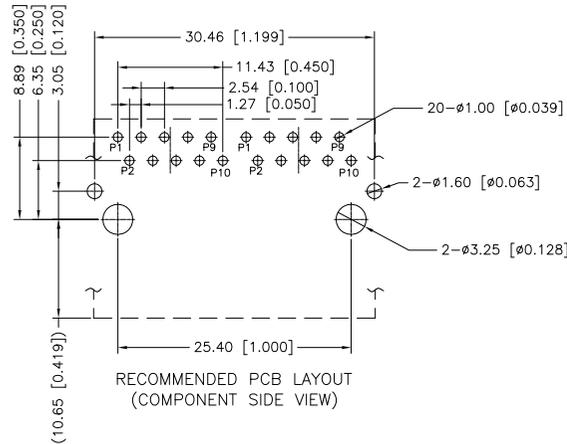
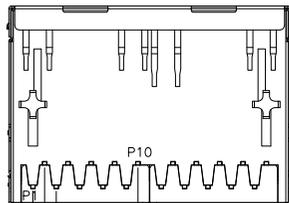
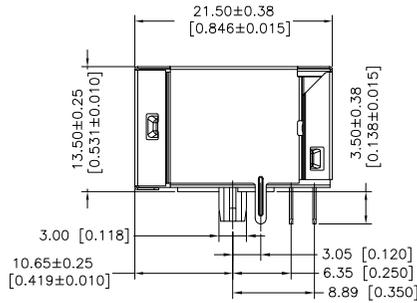
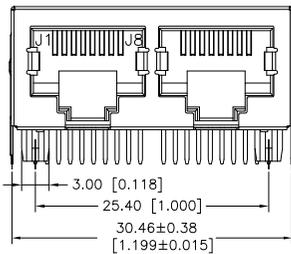
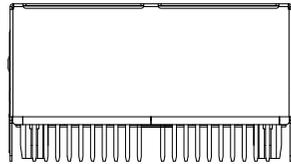
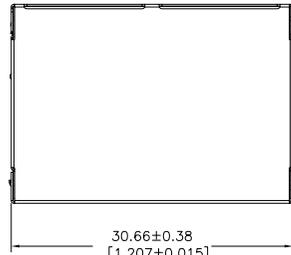


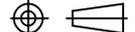
REV. ECN. NO.	NAME	DATE

1. MECHANICAL DIMENSIONS:



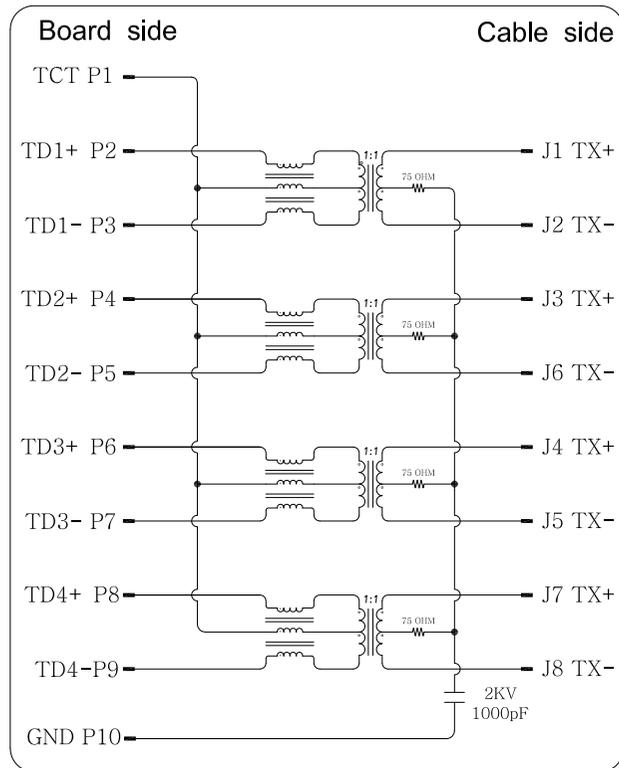
- MATERIAL**
 - HOUSING : THERMOPLASTIC, UL 94V-0, PA6T, BLACK, HSF
 - MODULE CASE : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK,HSF
 - RJ CONTACTS : PHOSPHOR BRONZE
 - PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 100U" MIN TIN PLATING ON SOLDER TAILS, 30U"MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS
 - PLATING : 100U" MIN TIN ON 30U"MIN NICKEL OVERALL
 - SHIELD : STAINLESS, THICKNESS=0.2MM, NICKEL OVERALL
- 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
- OPERATING AND STORAGE TEMPERATURE**
 - OPERATING TEMPERATURE : 0°C TO +70°C
 - STORAGE TEMPERATURE : -40°C TO +85°C
- SUGGESTED WAVE SOLDERING TEMPERATURE:**
265±3°C FOR 10 SECONDS MAX.

ROHS COMPLIANT

TOLERANCE UNSPECIFIED		 a vital connector company		FOR YOUR VITAL CONNECTION	
0.000mm ± 0.15mm 0.00mm ± 0.25mm 0.0mm ± 0.38mm				TITLE: RJ45 ICM, 10GBASE-T	
DRAWN BY:	BECKER	PART NO:	J12GT1001NNC7-STN	REV: A	
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET: 1 OF 2	FCN: C7
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

REV. ECN. NO.	NAME	DATE

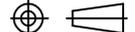
2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

- INSERTION LOSS :
 - 1-400 MHz -2.0dB MAX
- RETURN LOSS(LOAD 100Ω) :
 - 1-100 MHz -20dB MIN
 - 100-500 MHz -22+20.75Log₁₀(F/100)dB MIN
- COMMON MODE REJECTION RATIO(REF)
 - 1-100 MHz -30dB MIN
 - 100-300 MHz -25dB MIN
 - 300-500 MHz -20dB MIN
- COMMON TO DIFFERENTIAL MODE REJECTION(REF)
 - 1-250 MHz -30dB MIN
 - 250-500 MHz -22dB MIN
- CROSS TALK(REF)
 - 1-100 MHz -28dB MIN
 - 100-500 MHz -19dB MIN
- INDUCTANCE @ 100KHz, 0.1V
 - (P1-P2),(P3-P4),(P6-P7),(P8-P9) : 160 uH MIN
- HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 2250VDC 60S

ROHS COMPLIANT

TOLERANCE UNSPECIFIED		 a vital connector company		FOR YOUR VITAL CONNECTION	
0.000mm ± 0.15mm 0.00mm ± 0.25mm 0.0mm ± 0.38mm				TITLE: RJ45 ICM, 10GBASE-T	
DRAWN BY:	BECKER	PART NO:	J12GT1001NNC7-STN	REV: A	
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET: 2OF2	FCN: C7
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	