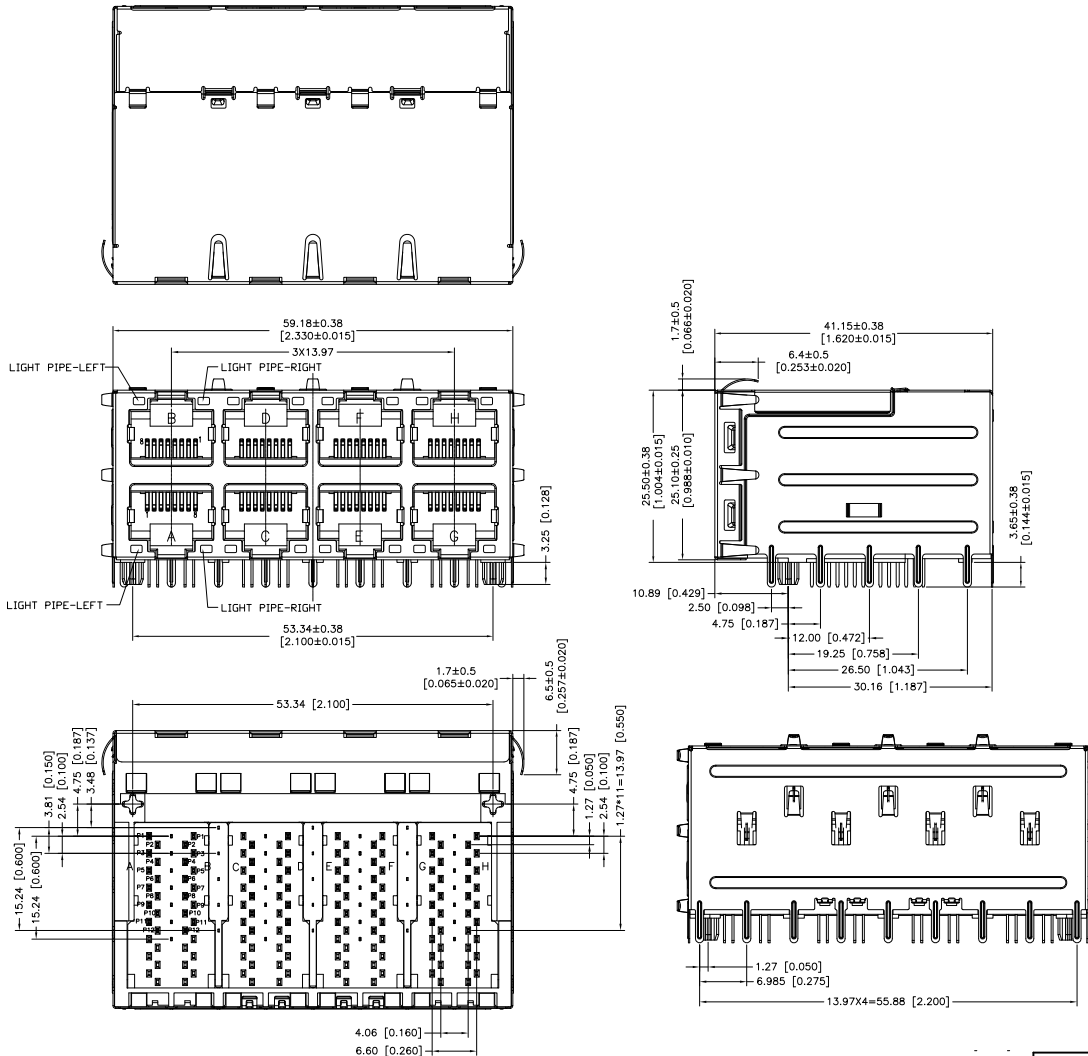


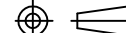
1. MECHANICAL DIMENSIONS:

REV.	ECN. NO.	NAME	DATE

- MATERIAL
 - HOUSING:THERMOSET, LCP, UL 94V-0, BLACK,HF
 - INSERT & COVER & SPACER& GROUND MD&RJ MD : THERMOPLASTIC, UL 94V-0, BLACK,HF
 - MODULE CASE : HIGH TEMP THERMOSET, PF2A5-151J, UL 94V-0, BLACK
 - RJ CONTACTS : PHOSPHOR BRONZE, C5210R-H
 - PLATING : SELECT GOLD ON CONTACT AREA, 100U" MIN TIN PLATING ON SOLDER TAILS, 30U" NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS, C2680
 - PLATING : 100U" TIN MIN 30U" NICKEL OVERALL
 - SHIELD : STAINLESS STEEL, THICKNESS=0.20mm, PRE-SILDERING
- 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 : -40°C TO +85°C
 - STORAGE TEMPERATURE : -40°C TO +85°C
- SUGGESTED WAVE SOLDERING TEMPERATURE: 265±3°C FOR 10 SECONDS MAX.

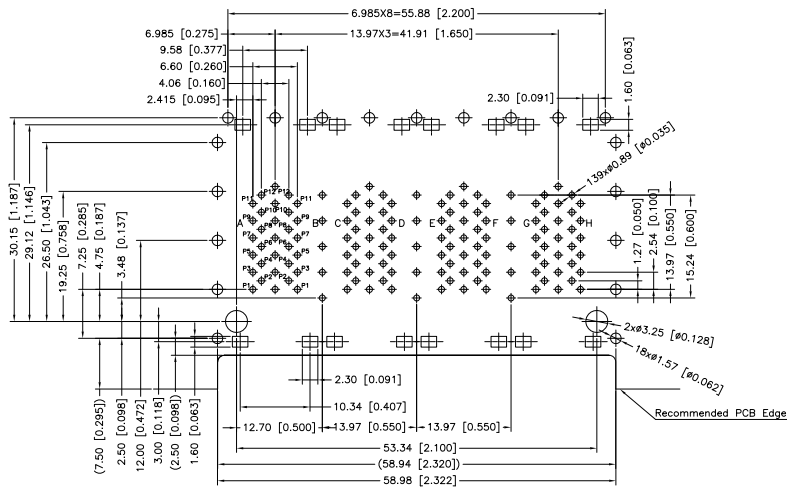


ROHS COMPLIANT

TOLERANCE UNSPECIFIED 0.000mm ± 0.15mm 0.00mm ± 0.25mm 0.0mm ± 0.38mm		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
		TITLE: ICM RJ45 2*4 5G Base-T 50u" Gold Plated			
DRAWN BY:	BECKER	PART NO:	J24DF1007DLC7		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET:10F2	FCN: C7
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

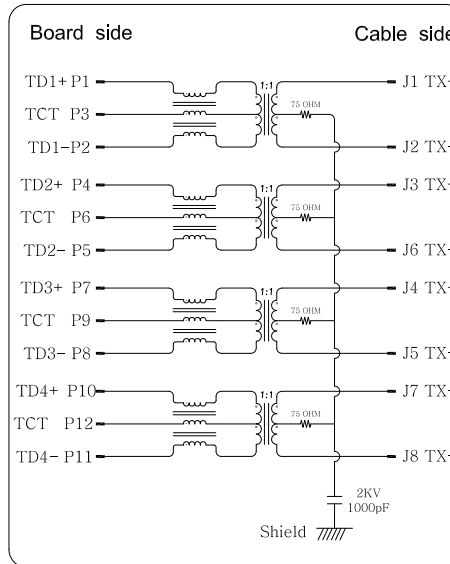
REV.	ECN. NO.	NAME	DATE

2. PCB LAYOUT:



Suggested PCB Pad Layout
Component Side View

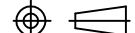
3. SCHEMATIC:



4. ELECTRICAL CHARACTERISTICS :

- INSERTION LOSS :
 - 1~50 MHz -0.50dB MAX
 - 50~125 MHz -1.0dB MAX
 - 125~300 MHz -2.0dB MAX
- RETURN LOSS(LOAD 100Ω) :
 - 1~50 MHz -20dB MIN
 - 50~200 MHz -20+8*log(Freq MHz/50MHz) dB MIN
 - 200~300 MHz -15+30*log(Freq MHz/200MHz) dB MIN
- CM TO CM ATTENUATION (REF)
 - 1~200MHz -25dB MIN
 - 200~300MHz -20dB MIN
- CM TO DM CONVERSION(REF)
 - 1~50MHz -35dB MIN
 - 125MHz -30dB MIN
 - 200MHz -27dB MIN
 - 300MHz -24dB MIN
- CROSS TALK (REF)
 - 1~125MHz -30dB MIN
 - 125~200MHz -25dB MIN
 - 200~300MHz -25dB MIN
- OCL @ 100KHz, 0.1V
 - (P1-P2),(P4-P5),(P7-P8),(P10-P11) : 160 uH MIN
- HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 2250VDC 60S
- URNS RATION 100KHz
 - (P1-P2) : (J1-J2) = 1:1 ±%3
 - (P4-P5) : (J3-J6) = 1:1 ±%3
 - (P7-P8) : (J4-J5) = 1:1 ±%3
 - (P10-P11) : (J7-J8) = 1:1 ±%3

ROHS COMPLIANT

TOLERANCE UNSPECIFIED 0.000mm ± 0.15mm 0.00mm ± 0.25mm 0.0mm ± 0.38mm		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
		TITLE: ICM RJ45 2*4 5G Base-T 50u" Gold Plated			
DRAWN BY:	BECKER	PART NO:	J24DF1007DLC7		REV: A
CHECKED BY:	VTA	SIZE: A4	UNIT: mm	SHEET: 2OF2	FCN: C7
APPROVED BY:	QPF	PROJECTION			http://www.vitalconn.com