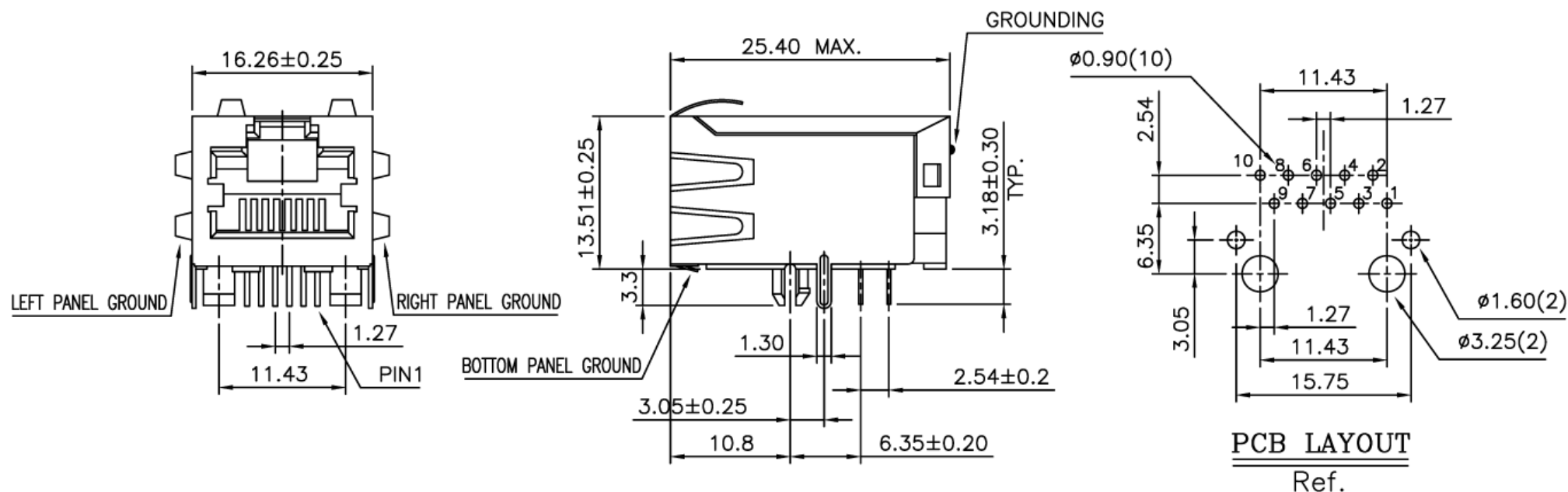


CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
PART 68.SUBPART F.



TOLERANCE (mm)		APPROVALS		DATE		TITLE 10/100/1000 Base RJ45 Integrated R/A Dip w/o LED		AMPHENOL	
X.	±0.3	DRAWN	Stephane	05/Mar/2010				Amphenol European Design Center	
X.X	±0.2	CHECKED	Rob	05/Mar/2010					
X.XX	±0.15	APPROVED	Rob	05/Mar/2010					
UNLESS OTHERWISE SPECIFIED				UNIT : mm		SIZE : A4		DRAWING N° LMJ208 8101X 140D T3	
								REV. A	Sheet 1 of 2

TRANSFORMER

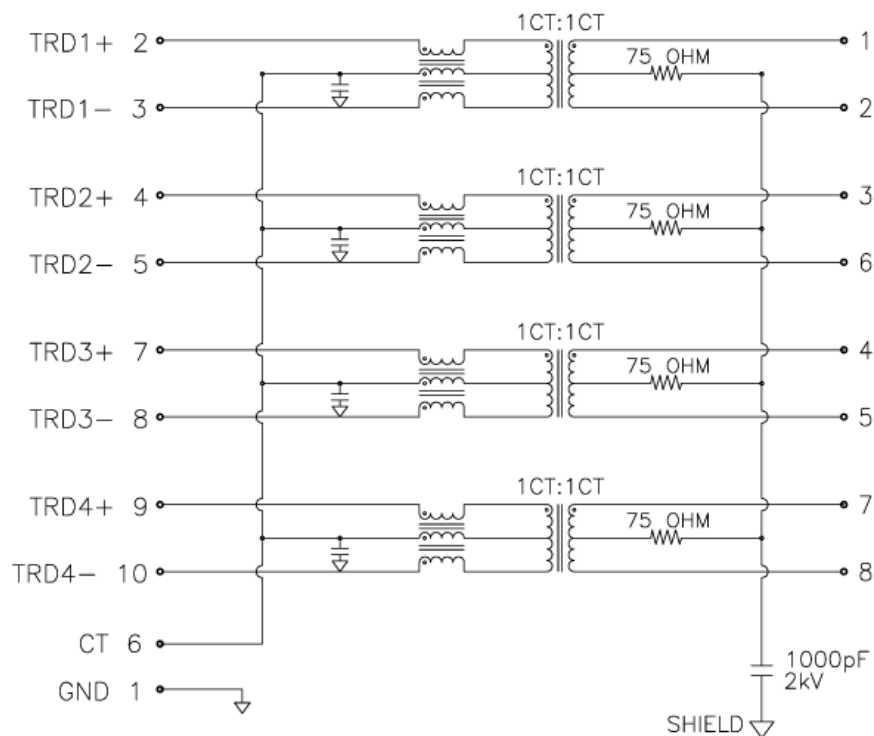
ELECTRICAL CHARACTERISTICS

TEST NOTES: (25°±5°C)

- TR: (100KHz, 0.1V);
PINS:(2,3):(J1,J2)=1CT:1CT±3%;(4,5):(J3,J6)=1:1±3%
PINS:(6,7):(J4,J5)=1CT:1CT±3%;(8,9):(J7,J8)=1:1±3%
- LX: (100KHz, 100mV, 8mA, DC Bias)
PINS: (J1,J2),(J3,J6),(J4,J5),(J7,J8)=350uH MINIMUM
- DCR:
PINS: (2,3),(4,5),(6,7),(8,9)=1.5 OHMS MAXIMUM.
PINS: (J1,J2),(J3,J6),(J4,J5),(J7,J8)=1.5 OHMS MAXIMUM.
- HIPOT:
PINS(2,3)TO(J1,J2):(4,5)TO(J3,J6)=1500VAC FOR 60 SECONDS
PINS(6,7)TO(J4,J5):(8,9)TO(J7,J8)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:
-0.5dB MAXIMUM AT 1MHz TO 65MHz
-0.8dB MAXIMUM AT 65MHz TO 100MHz
-1.2dB MAXIMUM AT 100MHz TO 125MHz
- RETURN LOSS:
-16dB MINIMUM AT 1MHz TO 30MHz
-13.5dB MINIMUM AT 30MHz TO 40MHz
-11.5dB MINIMUM AT 40MHz TO 50MHz
-10dB MINIMUM AT 50MHz TO 80MHz
- CMDR
-35dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO DIFFERENTIAL MODE REJECTION
-30dB MINIMUM AT 1MHz TO 100MHz

CONNECTOR SOLDER SIDE

RJ45
CONTACT SIDE



CONNECTOR SCHEMATIC



TOLERANCE (mm)		APPROVALS		DATE	TITLE 10/100/1000 Base RJ45 Integrated R/A Dip w/o LED	AMPHENOL Amphenol European Design Center	
X.	±0.3	DRAWN	Stephane	05/Mar/2010		Scale N.A.	Sheet 2 of 2
XX	±0.2	CHECKED	Rob	05/Mar/2010			
X.XX	±0.15	APPROVED	Rob	05/Mar/2010			
UNLESS OTHERWISE SPECIFIED			UNIT: mm	SIZE: A4	DRAWING N° LMJ208 8101X 140D T3	REV. A	