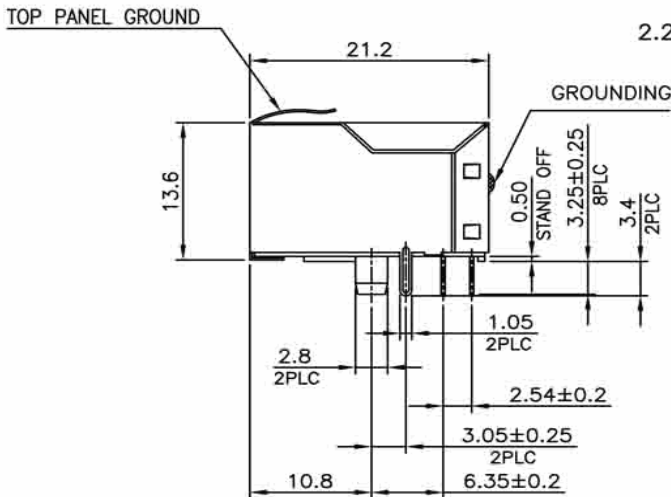
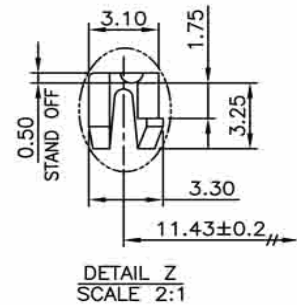
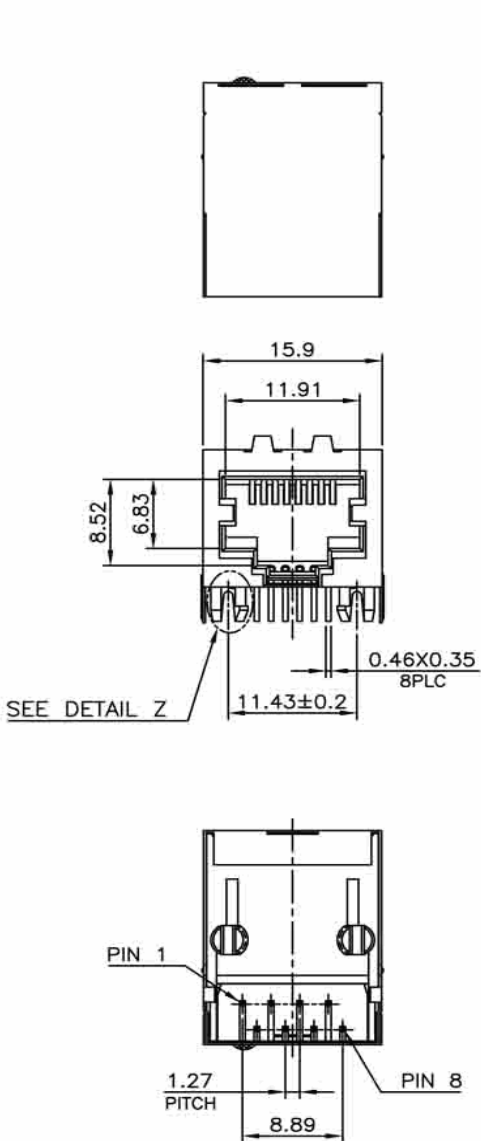
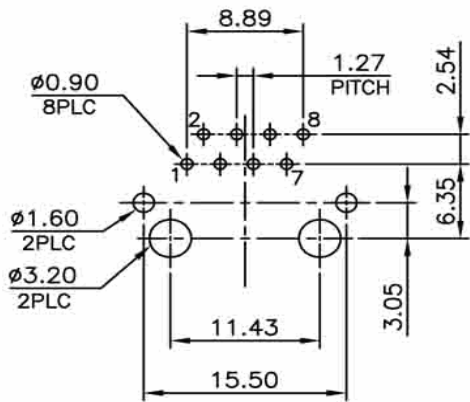




NOTE:
CAVITY CONFIRMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.

1. MATERIAL:
- 1.1 HOUSING: PBT , WITH GLASS FIBER, UL94V-0, STANDARD COLOR-BLACK.
 - 1.2 INSERT HOUSING: PA46, WITH GLASS FIBER, UL94V-0, STANDARD COLOR-BLACK.
 - 1.3 CONTACTS: PHOSPHOR BRONZE.
 - 1.4 SHELL: BRASS.
2. FINISH:
- 2.1 CONTACTS: GOLD PLATED ON CONTACT AREA, GOLD FLASH ON SOLDER TAIL, 1.27µm [50µ"] MIN. NICKEL UNDERPLATED OVERALL.
 - 2.2 SHELL: 0.508µm [20µ"] MIN. NICKEL PLATED.



RECOMMENDED PCB LAYOUT
PCB THICKNESS: 1.6mm
TOLERANCE: ±0.05mm (TOP VIEW)



TOLERANCE (mm)	APPROVALS	DATE	TITLE		Amphenol Amphenol European Design Center	
X.X +/-0.30	DRAWN Stephane	05/Mar/2018	Transformer RJ45,with shell,Side entry		Scale N.A.	Sheet 1 of 2
X.XX +/-0.20	CHECKED Rob	05/Mar/2018				
X.XXX +/-0.10	APPROVED Rob	05/Mar/2018				
Angle +/-3°						
UNLESS OTHERWISE SPECIFIED			UNIT: mm	SIZE: A4	Drawing No LMJ159882X110DT39	REV. B

ELECTRICAL CHARACTERISTICS:

1. TURNS RATIO :
(P6–P5–P4): (J6–J3)
(P3–P2–P1): (J2–J1)

:1CT:1CT ± 3%
:1CT:1CT ± 3%
2. INDUCTANCE: (P6–P4)
(P3–P1)

: 350uH MIN. @ 0.1V, 100KHz,8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHz,8mA DC Bias
3. LEAKAGE INDUCTANCE: P6–P4 (WITH J6 AND J3 SHORT)
P3–P1 (WITH J2 AND J1 SHORT)

: 0.3 MAX. @ 1MHz
: 0.3 MAX. @ 1MHz
4. INTERWINDING CAPACITANCE: (P6,P5,P4)TO(J6,J3)
(P3,P2,P1)TO(J2,J1)

: 30pf MAX. @1MHz
: 30pf MAX. @1MHz
5. DC RESISTANCE: (J6–J3)=(J2–J1)

: 1.2 ohms Max.
6. CROSSTALK

: –30dB MIN AT 1MHz TO 100MHz
7. INSERTION LOSS

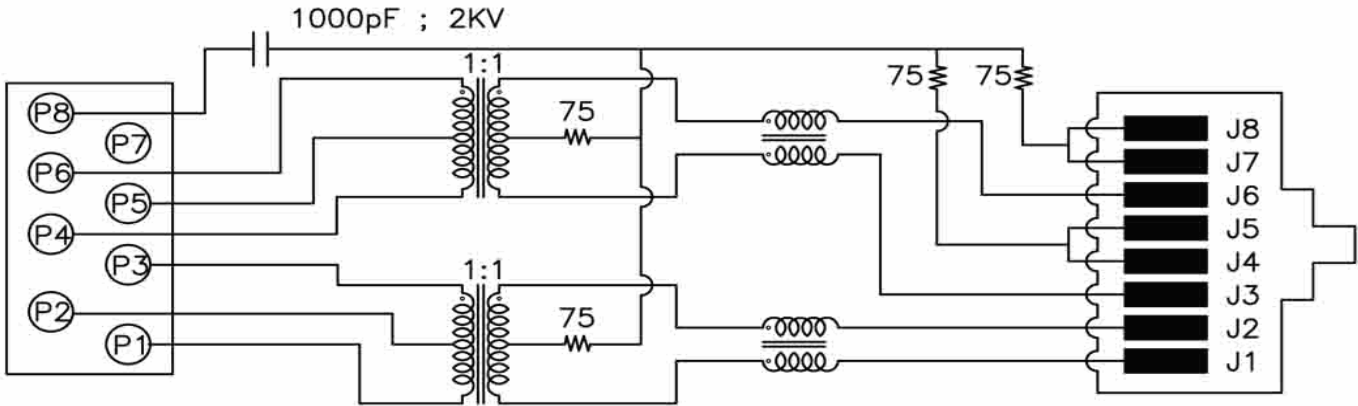
: –1.0dB MAX AT 1MHz TO 100MHz
- 8 RETURN LOSS

: –20dB MIN AT 1MHz TO 30MHz
–15dB MIN AT 30MHz TO 60MHz
–10dB MIN AT 60MHz TO 80MHz

NOTES
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED

Ordering Information
LMJ159882X110DT39
a

- a: Contact plating
1: 15u"gold
2: 30u"gold
3: 50u"gold
4: 6u"gold



TOLERANCE (mm)	APPROVALS	DATE	TITLE		Amphenol Amphenol European Design Center	
X.X +/-0.30	DRAWN Stephane	05/Mar/2018	Transformer RJ45,with shell,Side entry		Scale N.A.	Sheet 2 of 2
X.XX +/-0.20	CHECKED Rob	05/Mar/2018				
X.XXX +/-0.10	APPROVED Rob	05/Mar/2018				
Angle +/-3°						
UNLESS OTHERWISE SPECIFIED		UNIT: mm	SIZE: A4	Drawing No	LMJ159882X110DT39	REV. B