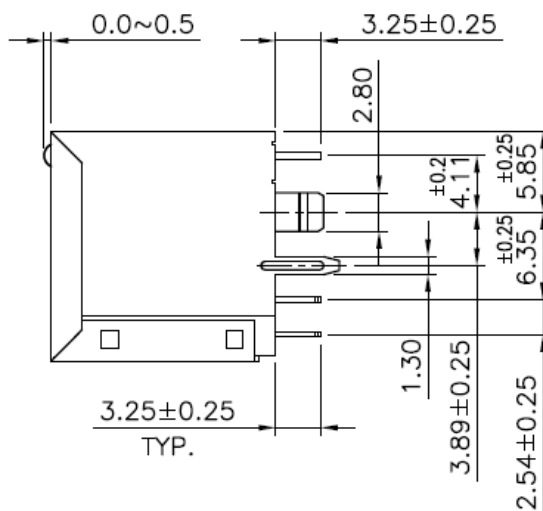
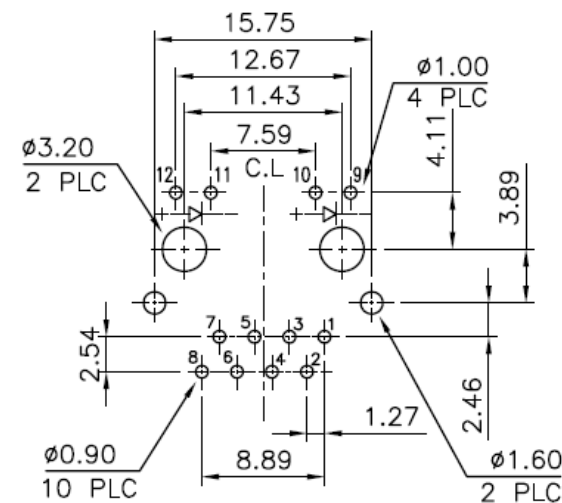


Top view of the LED package. The package is square with a width of 16.00 ± 0.25 mm and a height of 16.70 ± 0.25 mm. It features two LEDs: LED1 (GREEN) on the left and LED2 (YELLOW) on the right. The package has a central cavity with a series of vertical ridges.



OPERATING TEMPERATURE: -40°C TO 85°C



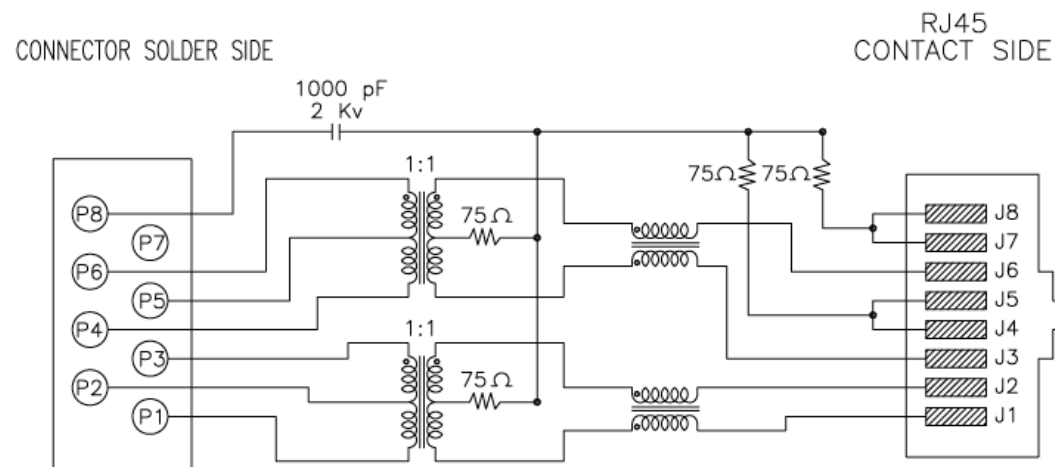
TOLERANCE (mm)		APPROVALS		DATE		TITLE RJ45 Top Entry W/ Transformer W/LED		AMPHENOL		
X.	±0.3	DRAWN	Stephane	21/Sep/2005	Amphenol European Design Center					
X.X	±0.2	CHECKED	Rob	21/Sep/2005						
X.XX	±0.15	APPROVED	Rob	21/Sep/2005						
UNLESS OTHERWISE SPECIFIED				UNIT : mm		SIZE : A4		DRAWING N° LMJ213 881X S0L1T1C		REV. B

TRANSFORMER TYPE 1

ELECTRICAL CHARACTERISTICS

TEST NOTES: (25°±5°C)

- TR: (100KHz, 0.1V)
PINS:(P6-P5-P4):(J6,J3)=1CT:1CT±3%
PINS:(P3-P2-P1):(J2,J1)=1CT:1CT±3%
- INDUCTANCE: (@0.1V, 100KHz, 8mA, DC Bias)
PINS: (P6-P4),(P3-P1)=350uH MINIMUM
- DCR:
PINS: (J6-J3)=(J2-J1)=1.2 OHMS MAXIMUM
- HIPOT:
PINS(J1,J2)TO(P1,P3)=1500VAC FOR 60 SECONDS
PINS(J3,J6)TO(P4,P6)=1500VAC FOR 60 SECONDS
- LEAKAGE INDUCTANCE:
P6-P4 (WITH J6 AND J3 SHORT)=0.3 MAXIMUM, @1MHz
P3-P1 (WITH J2 AND J1 SHORT)=0.3 MAXIMUM, @1MHz
- INSERTION LOSS:
-1.1dB MAXIMUM AT 1MHz TO 100MHz
- RETURN LOSS:
-18dB MINIMUM AT 1MHz TO 30MHz
-12dB MINIMUM AT 60MHz TO 80MHz
- CROSS TALK:
-30dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO COMMON MODE ATTENUATION:
-35dB MINIMUM AT 30MHz TO 100MHz
- RISE TIME: RS=100 OHMS AND RL=100 OHMS
OUTPUT VOLTAGE=1 V PEAK=3.0 nS MAXIMUM
PULSE WIDTH=112 nS=3.0 nS MAXIMUM
- INTERWINDING CAPACITANCE:
(P6,P5,P4)TO(J6,J3)=30pF MAXIMUM, @1MHz
(P3,P2,P1)TO(J2,J1)=30pF MAXIMUM, @1MHz



NOTES: 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

CONNECTOR SCHEMATIC



TOLERANCE (mm)	APPROVALS	DATE	TITLE		AMPHENOL	
X. ±0.3	DRAWN Stephane	21/Sep/2005	RJ45 Top Entry W/ Transformer W/LED		Amphenol European Design Center	
XX ±0.2	CHECKED Rob	21/Sep/2005				
XX.X ±0.15	APPROVED Rob	21/Sep/2005				
UNLESS OTHERWISE SPECIFIED	UNIT:	SIZE: A4	DRAWING N°	LMJ213 881X SOL1T1C		REV. B
					Scale N.A.	Sheet 2 of 2