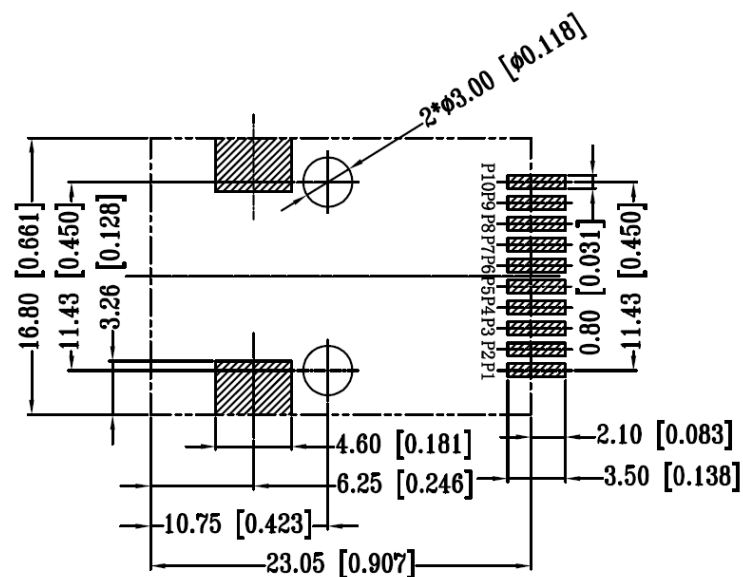


NO.	ECN NO.	DESCRIPTION	REV.	DRAW	DATE

Mechanical:



RECOMMENDED P.C.B LAYOUT(PCB THICKNESS: 1.6mm)

COMPONENT SIDE VIEW(TOLERANCE: ±0.05mm)

1. CONNECTOR MATERIAL:

HOUSING:LCP BLACK UL94 V-0

INSERTER:LCP BLACK UL94 V-0

SHIELD:Brass

SHIELD PLATING:NICKEL

CONTACT:COOPER ALLOY

CONTACT PLATING:SELECTIVE GOLD, 6 MICRO-INCHS MIN IN CONTACT AREA

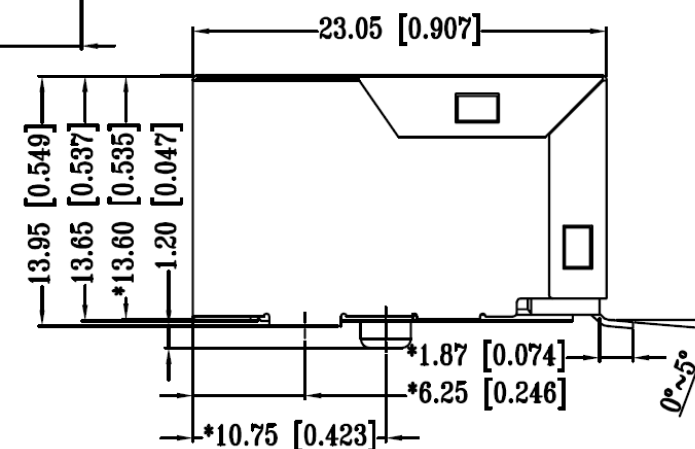
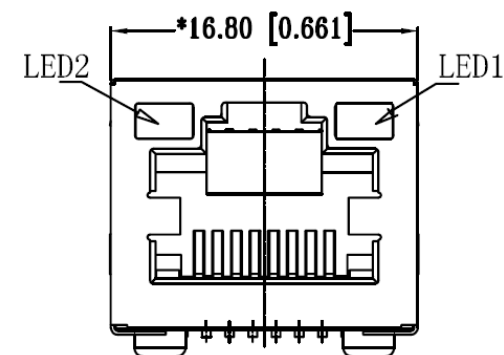
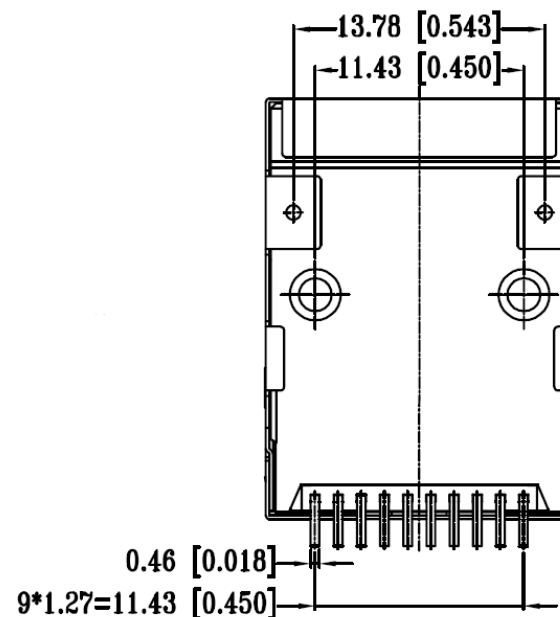
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS

3. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.

4. THE PART IS RECOMMENDED FOR IR REFLOW SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX, 10 SECS MAX

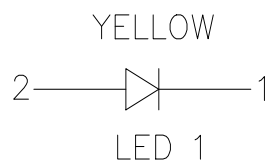
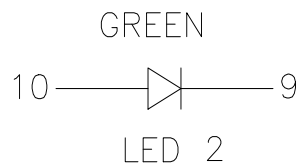
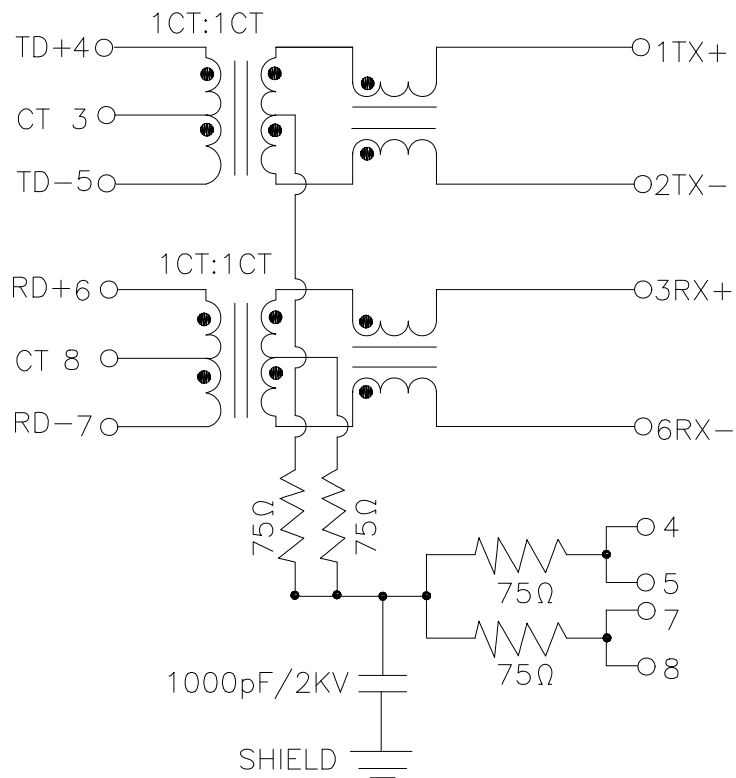
5. OPERATING TEMPERATURE T=-40° C TO +85° C.

6. STORAGE TEMPERATURE T=-40° C TO +85° C.



TOLERANCE					
.X	±0.25	X.°	±2°		
.XX	±0.15	.X°	±1°		
.XXX	±0.075				
SCALE	1:1	PROJ.		DESIGN	TITLE
SHEET	1/2	SIZE	A4	CHECKED	ITEM NO.
UNIT	mm	REV.	A	APPROVE	DWG NO.
				1*1 RJ45 SMD 10/100 BASE-T	
				AE-RJU102AS02H	

Schematic:



NO.	ECN NO.	DESCRIPTION	REV.	DRAW	DATE

Electrical Specifications @25°C

Turns Ratio (±2%)		DCL (uH Min.) @100 KHz/0.1V with 8mA DC Bias	Cross talk (dB Min.)				Hi-PDT 1.0 mA (V)	
TX	RX		0.5-10 MHz	30 MHz	50 MHz	100 MHz	WITHOUT Resistor	WITH Resistor
1CT:1CT	1CT:1CT	350	-50	-40	-35	-30	1500 AC	2250 DC

Continue

Insertion Loss (dB Max.)		Return Loss (dB Min.) @ Load 100 OHM					CMR (dB Min.)
1-100 MHz	100-125 MHz (10/100/1000)	1-30 MHz	30-50 MHz	60 MHz	60-80 MHz	80-100 MHz (10/100/1000)	1-100 MHz
-1.0	-1.2	-18	-16	-14	-12	-10	-30

TOLERANCE				APPS Electronics Limited			
.X	±0.25	X.°	±2°				
.XX	±0.15	.X°	±1°				
.XXX	±0.075						
SCALE	1:1	PROJ.		DESIGN		TITLE	1*1 RJ45 SMD 10/100 BASE-T
SHEET	2/2	SIZE	A4	CHECKED		ITEM NO.	AE-RJU102AS02H
UNIT	mm	REV.	A	APPROVE		DWG NO.	