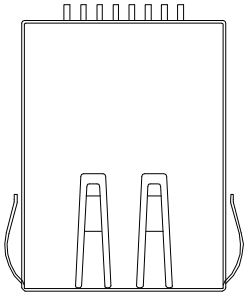
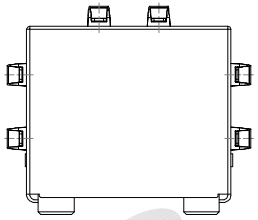
Mechanical

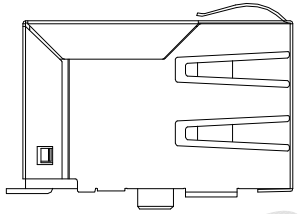
REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE		~	



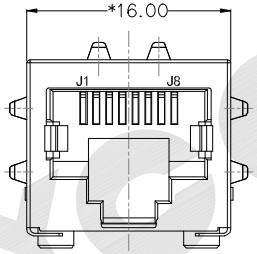
TOP



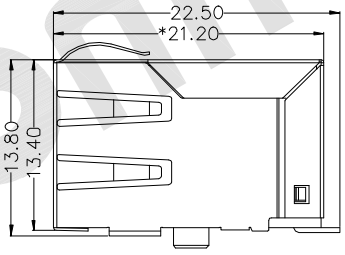
BACK



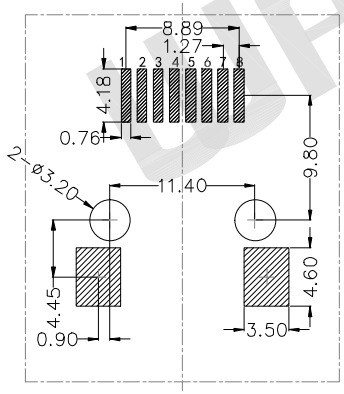
LEFT SIDE



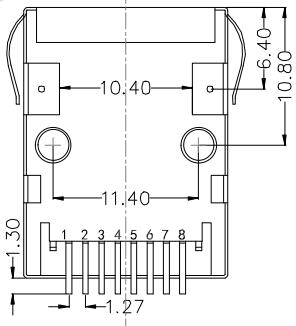
FRONT



RIGHT SIDE



RECOMMENDED PCB LAYOUT



BOTTOM

Material:
Insulator Material: LCP, UL94V-0, Black Shield: 0.20mm Thickness
Copper Alloy, Nickel Plated
Contact Material: Phosphor Bronze 0.35mm
Gold Plating: Selective Gold Plating Over Nickel: 3u", 6u", 15u", 30u"

Mechanical:
Durability: 750 Cycles Min
Matting Force: 22N Max

Environmental:
Storage Temperature : -40°C to +85°C
Operation Temperature: -40°C to +85°C

MJT31 - M4 002 X X X X X X

Shield
0 - w/o Shield
1 - Shield w/o EMI
2 - Shield w/ EMI
3 - Half Shield

Mounting
1 - SMT
2 - DIP

LED Color
0 - w/o LED
1 - Y/G
2 - G/Y
3 - G/G
4 - Y/Y
5 - Special

Plastic Peg
1 - With
2 - Without

Insulator
1 - PBT
2 - PA66
3 - PA46
4 - LCP

Gold Plating
1 - Fμ"
2 - 3μ"
3 - 6μ"
4 - 15μ"
5 - 30μ"
6 - 50μ"

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.35	X.	±3.0°
.X	±0.30	.X	±2.0°
.XX	±0.25	.XX	±1.5°
.XXX	±0.10	.XX	±1.0°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	1 OF 2
SERIES	MJT31 SERIES		

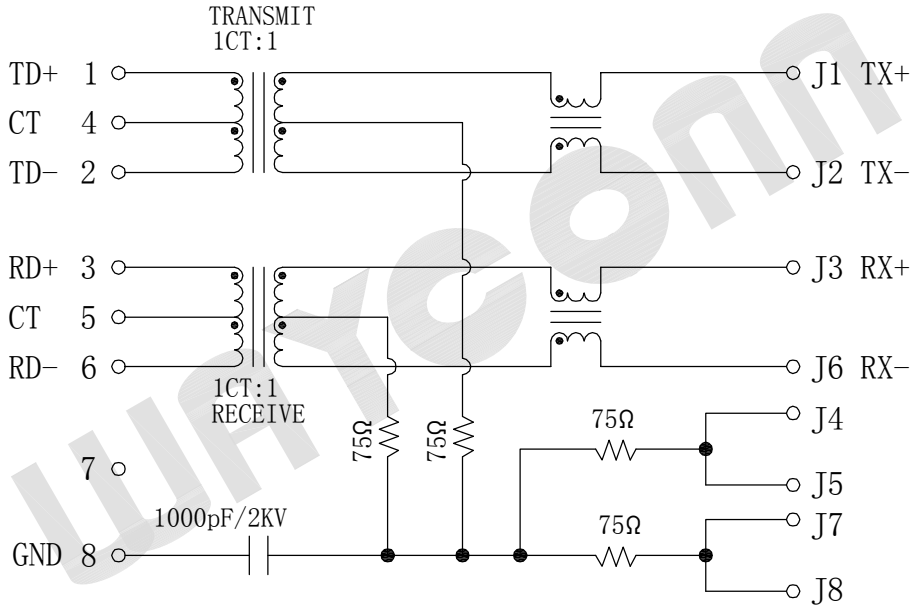
PROJECTION		TITLE	RJ45 MAGJACK, SMT, TAB-DOWN, 100BASE-T, SHIELDED W/ EMI
UNITS	mm		
SHEET SIZE	A4	PART NO.	MJT31 - M400221014X

WAYCONN CO.,LTD

WAYCONN

Schematics

REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE			



ELECTRICAL SPECIFICATIONS AT 25°C

Turns Radio (±2%)		Insertion Loss (dB max)	Return Loss (dB max)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)	Hipot (vrms)
TX	RX	1~100 MHz	1~10 MHz	10~30 MHz	30~60 MHz	60~100 MHz	1~30 MHz	30~60 MHz	60~100 MHz	1~100 MHz	1500
1CT:1CT	1CT:1CT	-1.0	-20	-16	-12	-10	-40	-35	-30	-30	

1. OCL: 350uH minimum with 8mA current;

GENERAL TOLERANCE		ANGLE TOLERANCE	
X.	±0.35	X.	±3.0°
.X	±0.30	.X	±2.0°
.XX	±0.25	.XX	±1.5°
.XXX	±0.10	.XX	±1.0°

DRAWING TYPE	CUSTOMER		
SCALE	1:1	SHEET	2 OF 2
SERIES	MJT31 SERIES		

PROJECTION		TITLE	RJ45 MAGJACK, SMT, TAB-DOWN, 100BASE-T, SHIELDED W/ EMI
UNITS	mm		
SHEET SIZE	A4	PART NO.	MJT31 - M400221014X

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