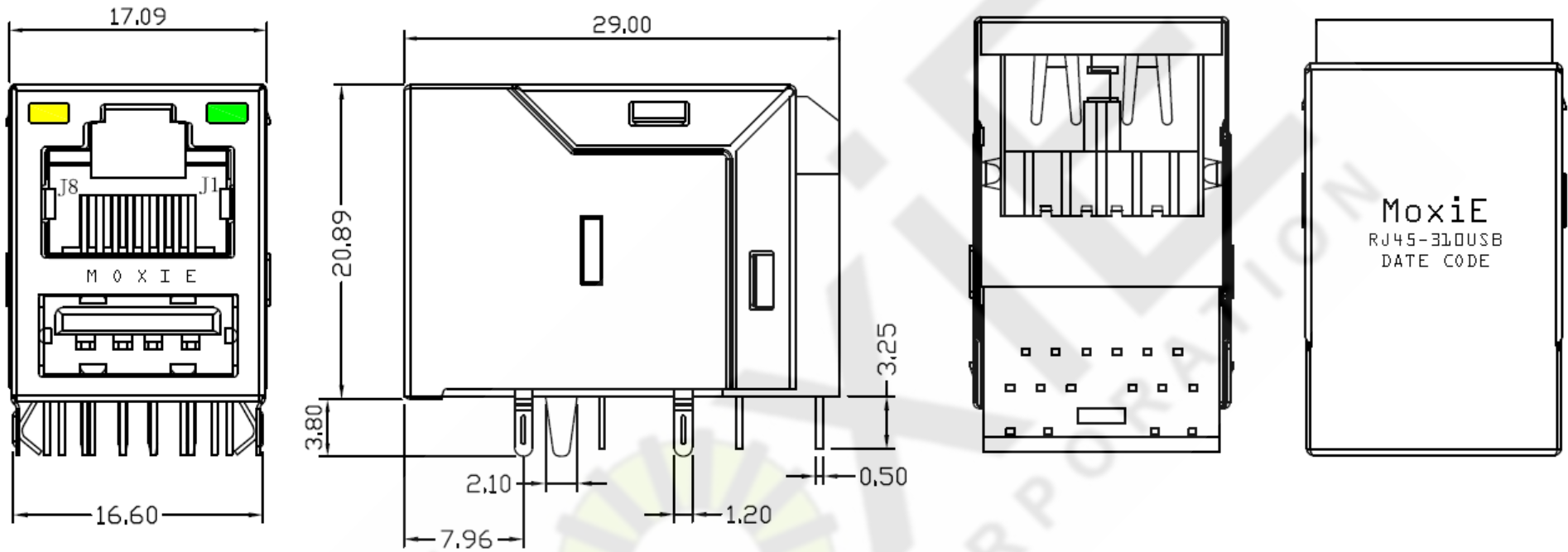


MECHANICAL (mm)



MOXIE NOTES:

- RoHS-6 peak wave solder temperature rating 260°C.
- Operating temperature: 0°C to +70°C.
- Storage temperature: -40°C to +85°C.
- RoHS Compliant.
- 350pH minimum QCL with 8mA bias current.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0~10=±0.15, 10~20=±0.20, 20~40=±0.25, 40~70=±0.30, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

(888)535.5207 WWW.MOXIEINDUCTORS.COM

1x1 PORT 10/100 WITH USB

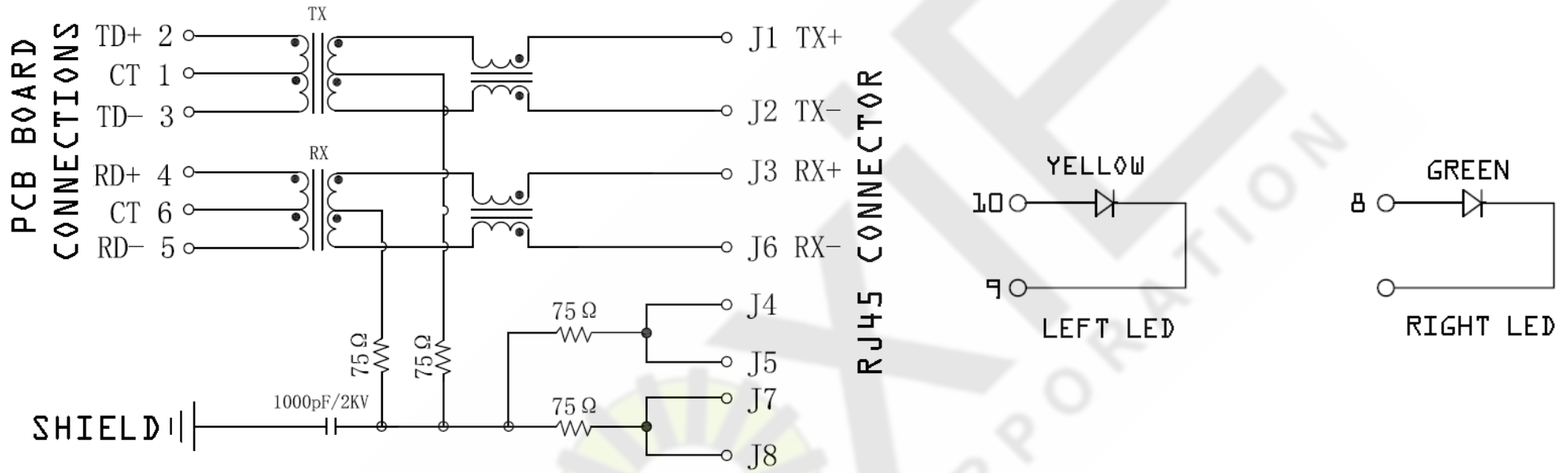
MOXIE MOX-RJ45-310USB

PAGE 1/4

REV. -

DWG NUMBER: MOXRJ45310USB

SCHEMATIC



MOXIE NOTES:

- RoHS-6 peak wave solder temperature rating 260°C.
- Operating temperature: 0°C to +70°C.
- Storage temperature: -40°C to +85°C.
- RoHS Compliant.
- 350µH minimum OCL with 8mA bias current.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0~10=±0.15, 10~20=±0.20, 20~40=±0.25, 40~70=±0.30, ≥70=±0.40

MoxiE
INDUCTOR CORPORATION

(888)535.5207 WWW.MOXIEINDUCTORS.COM

1x1 PORT 10/100 WITH USB

MOXIE MOX-RJ45-310USB

PAGE 3/4

REV. -

DWG NUMBER: MOXRJ45310USB

ELECTRICAL @ 25°C

INDUCTANCE (OCL)	350 μ H MINIMUM @ 100KHz, 0.1V _{rms} , 8mA DC BIAS
TURNS RATIO ($\pm 3\%$)	TX=1CT:1CT RX=1CT:1CT
DCR	1.20 Ω MAX.
INSERTION LOSS	1~30MHz: -1.0dB MAX.
RETURN LOSS	1~100MHz: -18dB MIN. 30~60MHz: -15dB MIN. 60~100MHz: -12dB MIN.
CROSS TALK	1~30MHz: -40dB MIN. 30~60MHz: -35dB MIN. 60~100MHz: -30dB MIN.
COMMON MODE REJECTION RATIO (CMRR)	1~50MHz: -30dB MIN. 50~150MHz: -20dB MIN.
HI-POT	1500V _{rms}

MOXIE NOTES:

- RoHS-6 peak wave solder temperature rating 260°C.
- Operating temperature: 0°C to +70°C.
- Storage temperature: -40°C to +85°C.
- RoHS Compliant.
- 350 μ H minimum OCL with 8mA bias current.
- MoxiE Inductor Corporation custom designs are subject to United States copyright and or patent protection(s).
- MoxiE Inductor Corporation specifications are subject to change without notice.
- Tolerances unless otherwise specified: 0~10= ± 0.15 , 10~20= ± 0.20 , 20~40= ± 0.25 , 40~70= ± 0.30 , ≥ 70 = ± 0.40

MoxiE
INDUCTOR CORPORATION

(888)535.5207 WWW.MOXIEINDUCTORS.COM

1x1 PORT 10/100 WITH USB

MOXIE MOX-RJ45-310USB

PAGE 4/4

REV. -

DWG NUMBER: MOXRJ45310USB