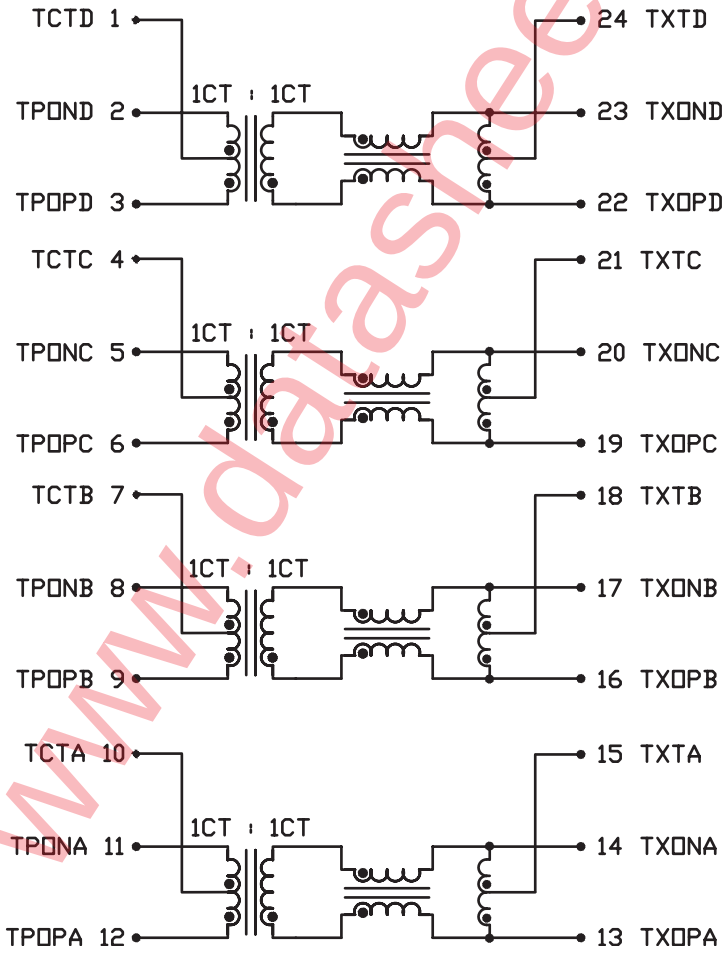
GIGABIT ETHERNET MAGNETICS

S558-5999-P3-F Single Port Transformer Module

RoHS 2002/95/EC

SCHEMATIC



ELECTRICAL CHARACTERISTICS @ 25°C

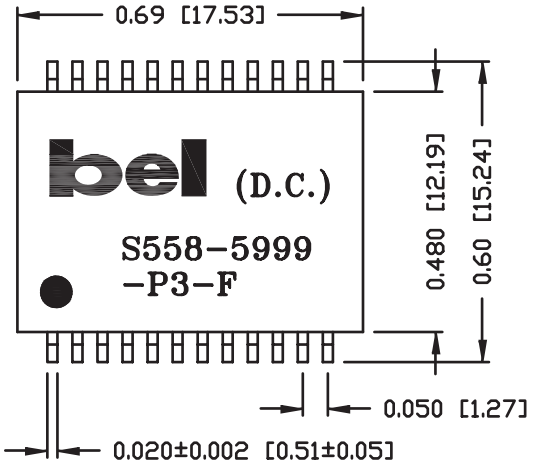
TURNS RATIO	
PIN(3-1-2) : (22-24-23)	1CT : 1CT
PIN(6-4-5) : (19-21-20)	1CT : 1CT
PIN(9-7-8) : (16-18-17)	1CT : 1CT
PIN(12-10-11) : (13-15-14)	1CT : 1CT
OCL	350μH MIN. AT 100 kHz, 100mV WITH 8mA DC BIAS @25°C
INSERTION LOSS	1.1dB MAX. @ 0.1 MHz 0.5dB MAX. @ 1 MHz 0.8dB MAX. @ 65 MHz 1.0dB MAX. @ 100 MHz 1.5dB MAX. @ 125 MHz
RETURN LOSS UNDER 100 OHMS±15% ENVIRONMENT	18dB MIN. @ 0.5 TO 40 MHz 12-20LOG (f/80 MHz) dBMIN. @ 40 TO 100 MHz
COMMON TO COMMON REJECTION	30dB MIN. @ 0.1 TO 100 MHz
CROSSTALK	@ 1-100 MHz 33-20LOG (f/100 MHz) dB MIN.
HIPOT	PER HAND-WORK-03

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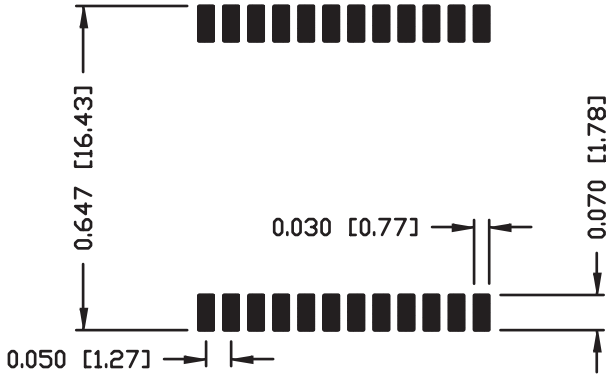
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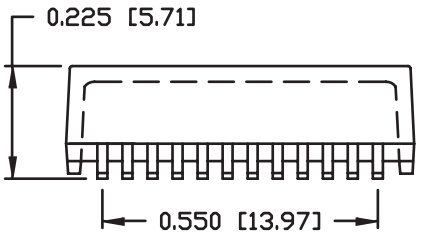
GIGABIT ETHERNET MAGNETICS

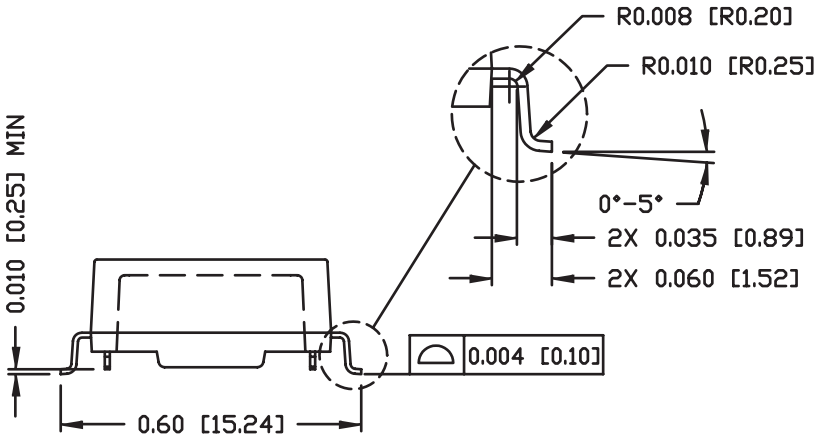
S558-5999-P3-F Single Port Transformer Module



SUGGESTED PCB PAD LAYOUT







NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: 'RQS001'.

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