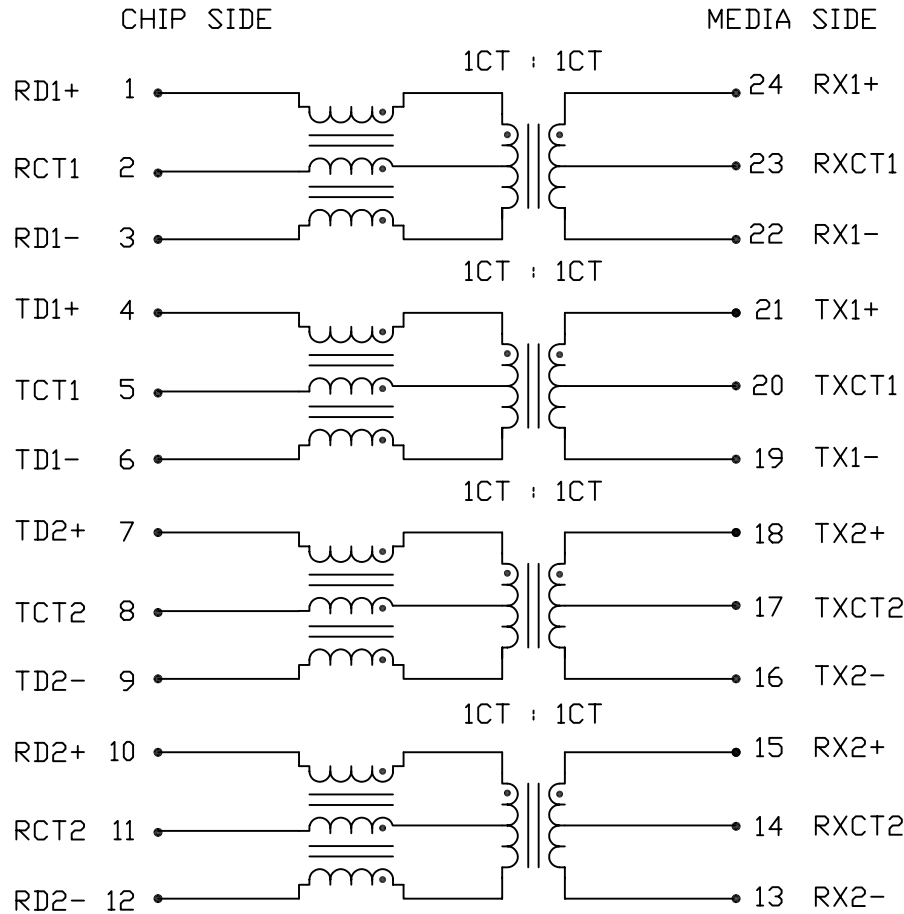


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SCHEMATIC

ELECTRICAL CHARACTERISTICS (@25°C)



TURNS RATIO CHIP SIDE : MEDIA SIDE	1CT : 1CT
POLARITY	PER DOT CONVENTION
OCL MEDIA SIDE	350µH MIN @100kHz, 100mVrms WITH 8mA DC BIAS
INSERTION LOSS 300kHz 1MHz TO 100MHz 125MHz	1.2dB MAX 1.0dB MAX 3.0dB MAX
RETURN LOSS 1MHz TO 30MHz 30MHz TO 80MHz 100MHz	18dB MIN 12-20LOG(F/80MHz) dB MIN 10dB MIN
CROSSTALK 1MHz 10MHz TO 100MHz	55dB MIN 55-24LOG(F/10MHz) dB MIN
DM TO CM REJECTION 2MHz 30MHz TO 200MHz	60dB MIN 40-22LOG(F/30MHz) dB MIN
HIPOT	PER HAND-WORK-03

NOTES:
DESIGN FOR 10/100/1000BT WITH PoE APPLICATION

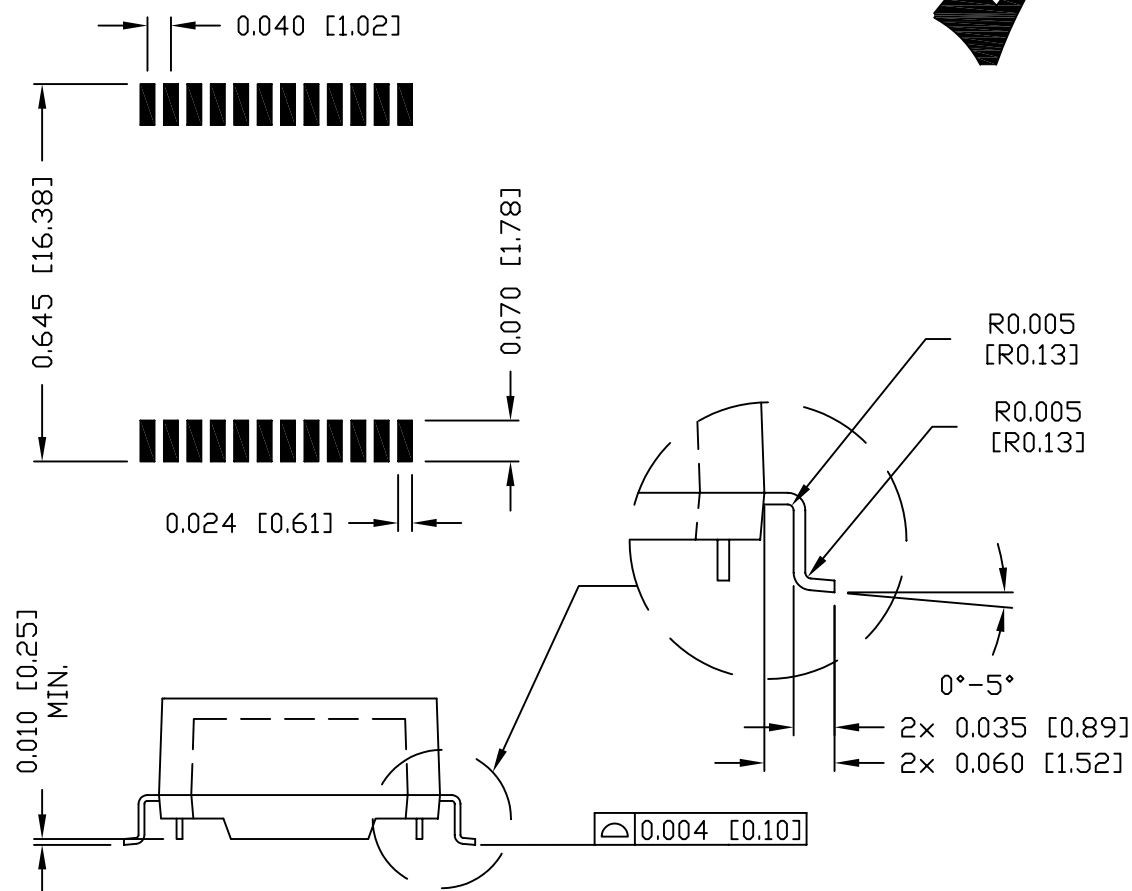
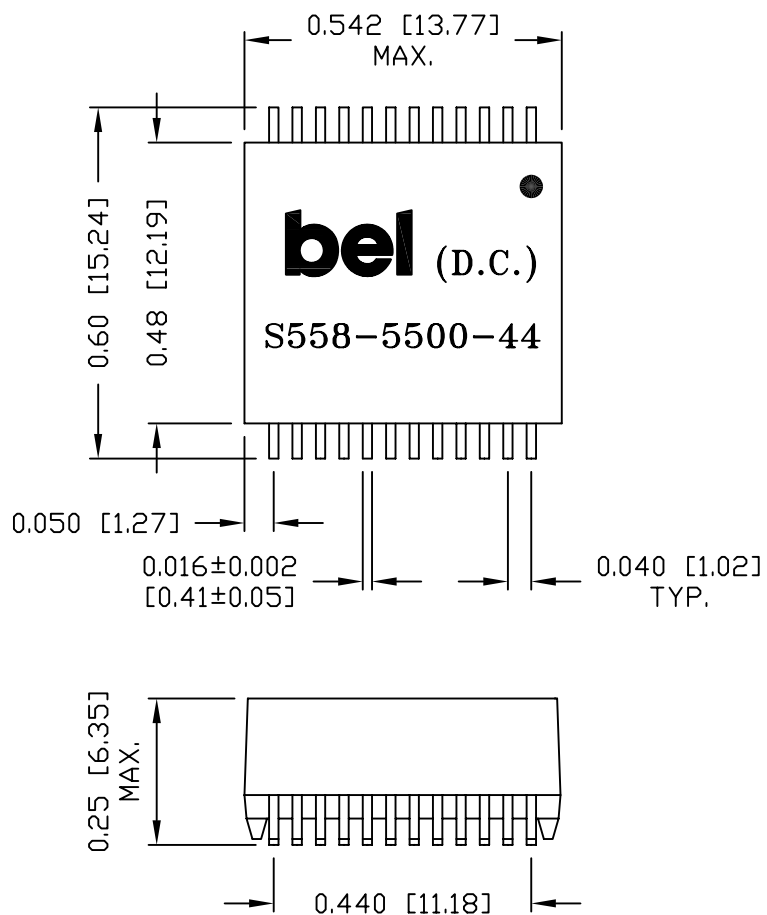
REV. : C PAGE : 2

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.	
Alice Pang	2015-01-26	ELECTRICAL SPECIFICATION S558-5500-44	X558-5500-44	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
ZC Guo	2015-01-26		X558550044C.DWG	.XX	SIZE : A4	
				.XXX		

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SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "QSS001".

REV. : C PAGE : 2

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. [] METRIC DIM. AS REF.	
Lawrence Tsang	2015-01-26	MECHANICAL OUTLINE S558-5500-44	X558-5500-44	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
ZC Guo	2015-01-26		X558550044C.DWG	.XX ±0.01	SIZE : A4
				.XXX ±0.005	



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[1879732-1](#)