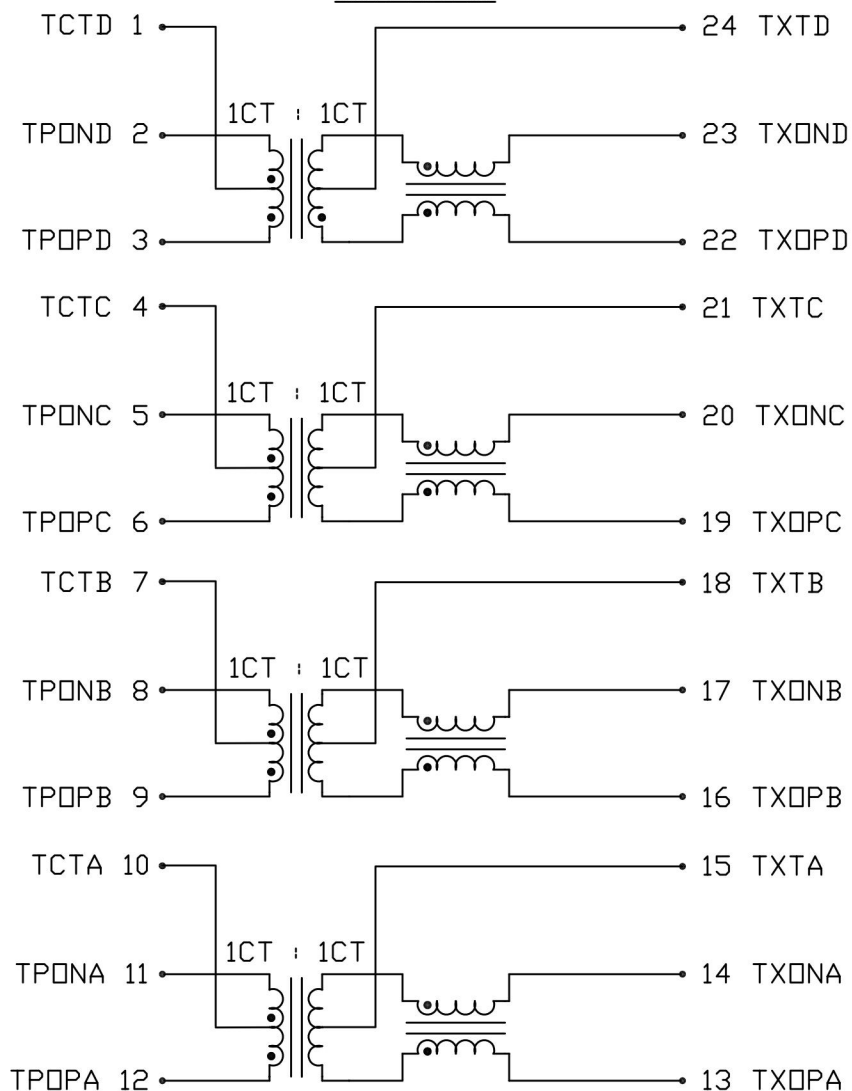




# SCHEMATIC



## ELECTRICAL CHARACTERISTICS @ 25°C

### URNS RATIO

(3-1-2) : (22-24-23)  
 (6-4-5) : (19-21-20)  
 (9-7-8) : (16-18-17)  
 (12-10-11) : (13-15-14)

1CT : 1CT  
 1CT : 1CT  
 1CT : 1CT  
 1CT : 1CT

QCL  
 -40°C TO +85°C

350μH MIN. AT 100kHz, 100mV  
 WITH 8mA DC BIAS

### INSERTION LOSS

1.1dB MAX. @ 0.1 TO 1MHz  
 0.5dB MAX. @ 1 TO 65MHz  
 1.0dB MAX. @ 80MHz  
 1.2dB MAX. @ 125MHz

RETURN LOSS  
 UNDER 100 OHM  
 ±15% ENVIRONMENT

18dB MIN. @ 0.5 TO 40 MHz  
 12-20LOG (f/80MHz) dB MIN.  
 @ 40 TO 100MHz

### COMMON TO COMMON REJECTION

30dB MIN. @ 0.1 TO 100MHz

### CROSSTALK

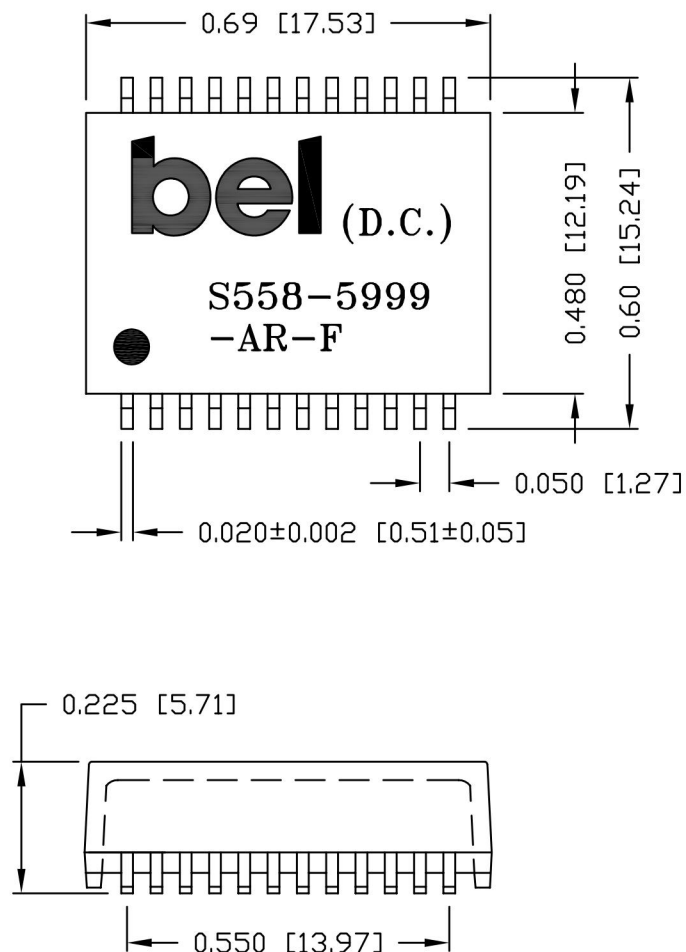
33-20LOG (f/100MHz) dB MIN.  
 @ 1 TO 100MHz

### HIPOT

PER HAND-WORK-03

| ORIGINATED BY | DATE       | TITLE                                      | PART NO. / DRAWING NO. | STANDARD DIM. | [ ] METRIC DIM. AS REF. | REV. : B                      | PAGE : 2 |
|---------------|------------|--------------------------------------------|------------------------|---------------|-------------------------|-------------------------------|----------|
| Alice Pang    | 2015-10-29 | ELECTRICAL SPECIFICATION<br>S558-5999-AR-F | X5585999AR-F           | TOL. IN INCH  | UNIT : INCH [mm]        | <br>POWER   PROTECT   CONNECT |          |
| DRAWN BY      | DATE       |                                            | FILE NAME              | .X            | SCALE : N/A             |                               |          |
| ZC Guo        | 2015-10-29 |                                            | X5585999ARFB.DWG       | .XX           | SIZE : A4               |                               |          |
|               |            |                                            |                        | .XXX          |                         |                               |          |

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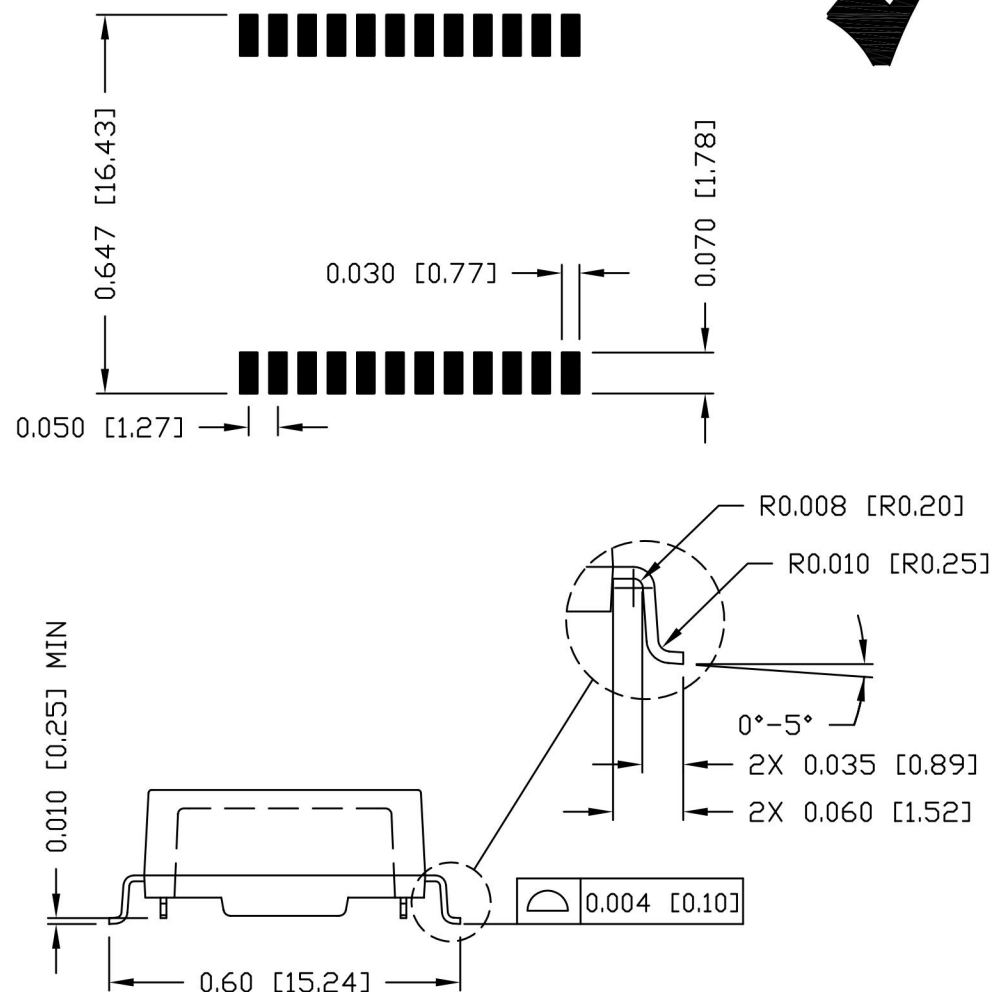


#### NOTES:

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

#### SUGGESTED PCB PAD LAYOUT

RoHS



|                                 |                    |                                                   |                                            |                               |                                                                                       |                         |             |
|---------------------------------|--------------------|---------------------------------------------------|--------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|-------------------------|-------------|
| ORIGINATED BY<br>Lawrence Tsang | DATE<br>2015-10-29 | TITLE<br><br>MECHANICAL DRAWING<br>S558-5999-AR-F | PART NO. / DRAWING NO.<br><br>X5585999AR-F | STANDARD DIM.<br>TOL. IN INCH |                                                                                       | [ ] METRIC DIM. AS REF. |             |
| DRAWN BY<br>ZC Guo              | DATE<br>2015-10-29 |                                                   | FILE NAME<br><br>X5585999ARFB.DWG          | .X                            |  | UNIT : INCH [mm]        |             |
|                                 |                    |                                                   |                                            | .XX                           |                                                                                       | ±0.01                   | SCALE : N/A |
|                                 |                    |                                                   | .XXX                                       | ±0.005                        |  | SIZE : A4               |             |



POWER | PROTECT | CONNECT

# Mouser Electronics

Authorized Distributor

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[S558-5999-AR-F](#)