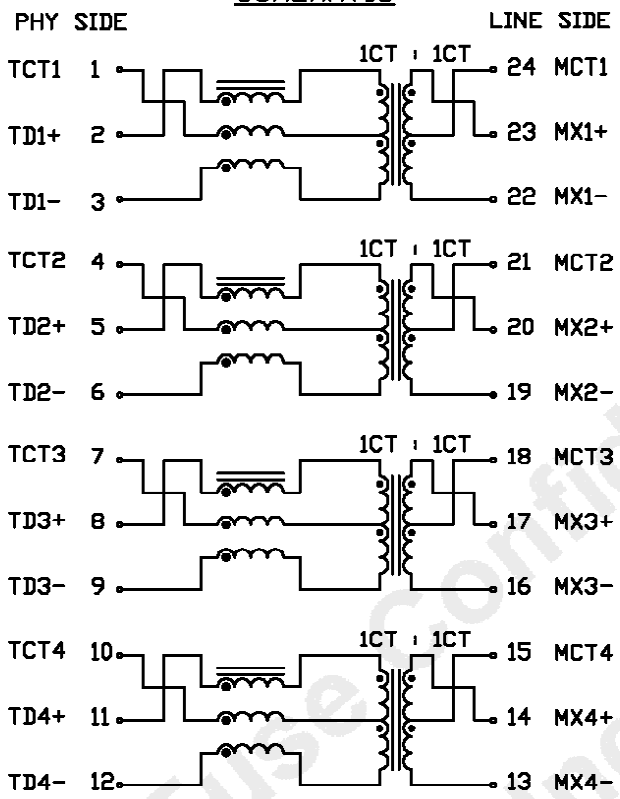
RoHS

## SCHEMATIC




## ELECTRICAL CHARACTERISTICS @25°C

| | |
|---|---|
| **TURNS RATIO** | |
| (2-1-3) : (23-24-22) | 1CT : 1CT ±2% |
| (5-4-6) : (20-21-19) | 1CT : 1CT ±2% |
| (8-7-9) : (17-18-16) | 1CT : 1CT ±2% |
| (11-10-12) : (14-15-13) | 1CT : 1CT ±2% |
| **POLARITY** | PER DOT CONVENTION |
| **OCL** | 100kHz, 100mV<br>350uH MIN WITH 11mA DC BIAS<br>120uH MIN WITH 19mA DC BIAS |
| **INTERWINDING CAPACITANCE, Cww** | @1MHz, 20mV<br>30pF MAX |
| **INSERTION LOSS** | |
| 0.3MHz - 1MHz | 1.1dB MAX |
| 1MHz - 65MHz | 0.8dB MAX |
| 65MHz - 100MHz | 1.0dB MAX |
| 100MHz - 125MHz | 1.2dB MAX |
| **RETURN LOSS @100OHM** | |
| 0.5MHz - 40MHz | 18dB MIN |
| 40MHz - 100MHz | 12-20LOG(f/80MHz)dB MIN |
| **CROSSTALK** | |
| 0.3MHz - 100MHz | 33-20LOG(f/100MHz)dB MIN |
| **CM TO CM REJ** | |
| 0.3MHz - 100MHz | 30dB MIN |
| **CM TO DM REJ** | |
| 0.3MHz - 100MHz | 35dB MIN |
| **BALANCED DC LINE CURRENT** | 720mA MAX @57VDC CONTINUOUS<br>1.2A MAX @57VDC FOR 200mS |
| **HIPOT** | 1500 Vrms |

**DC RESISTANCE**

| | |
|---|---|
| (2-3), (5-6), (8-9), (11-12) | 1.00 OHM MAX |
| (1-3), (4-6), (7-9), (10-12) | 0.75 OHM MAX |
| (23-22), (20-19), (17-16), (14-13) | 0.50 OHM MAX |
| (24-22), (21-19), (18-16), (15-13) | 0.30 OHM MAX |

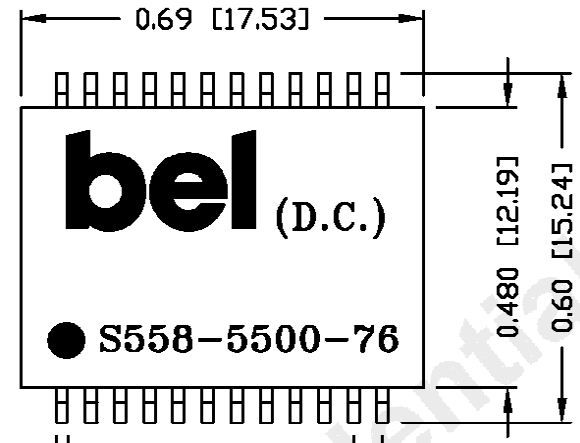
DESIGNED FOR USE IN EXTENDED TEMPERATURE APPLICATIONS

REV. : A | PAGE : 2

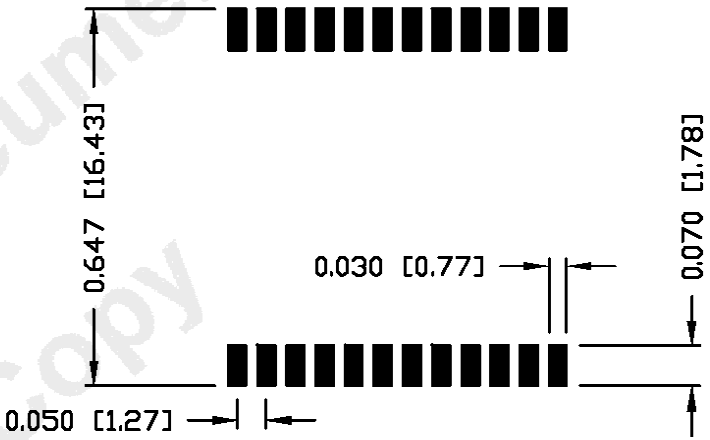
| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | [ ] METRIC DIM. AS REF. |
|---|---|---|---|---|---|
| Alice Pang | 2017-03-02 | ELECTRICAL SPECIFICATION | S558-5500-76 | TOL. IN INCH | UNIT : INCH [mm] |
| DRAWN BY | DATE | | FILE NAME | .X / .XX / .XXX | SCALE : N/A |
| ZC Guo | 2017-03-02 | | S558550076A.DWG | | SIZE : A4 |

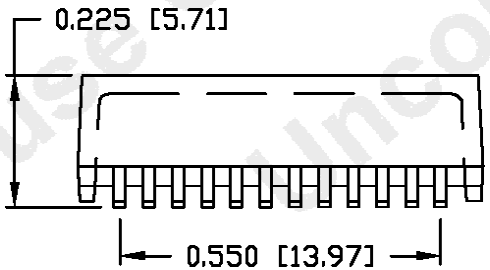
bel POWER | PROTECT | CONNECT

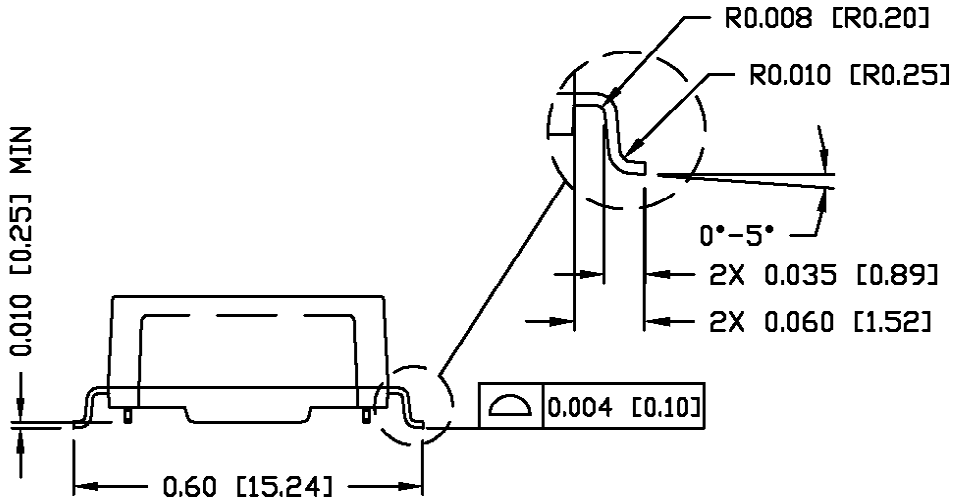
RoHS




SUGGESTED PCB PAD LAYOUT




NOTES:

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

| | | | | | | |
|---|---|---|---|---|---|---|
| REV. : A | | | | | PAGE : 3 | |
| ORIGINATED BY / DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | [ ] METRIC DIM. AS REF. | | |
| Lawrence Tsang 2017-03-02 | MECHANICAL OUTLINE | S558-5500-76 | TOL. IN INCH | UNIT : INCH [mm] | | |
| DRAWN BY / DATE | | FILE NAME | .X | SCALE : N/A | | |
| ZC Guo 2017-03-02 | | S558550076A.DWG | .XX ±0.01 | | SIZE : A4 | |
| | | | .XXX ±0.005 | | | |

POWER | PROTECT | CONNECT