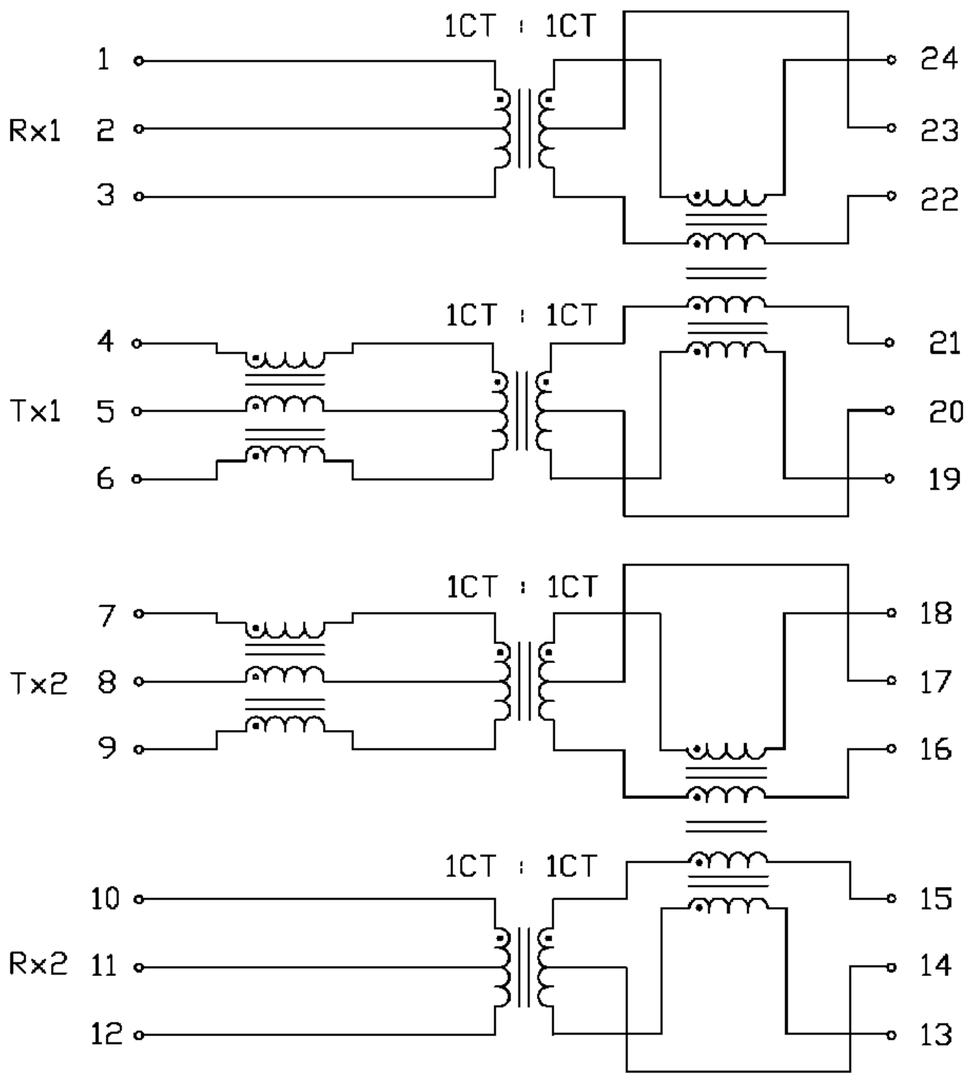
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## SCHEMATIC




## ELECTRICAL SPECIFICATION @25°C

RoHS 2002/95/EC

| | |
|---|---|
| **TURNS RATIO** | |
| (1-2-3) : (24-23-22) | 1CT : 1CT |
| (4-5-6) : (21-20-19) | 1CT : 1CT |
| (7-8-9) : (18-17-16) | 1CT : 1CT |
| (10-11-12) : (15-14-13) | 1CT : 1CT |
| **POLARITY** | |
| Rx | 1°&24°, 10°&15° |
| Tx | 4°&21°, 7°&18° |
| **INDUCTANCE** | |
| (1-3) = (10-12) | 350uH MIN. @ 8mA DC @ 0.1Vrms, 100kHz |
| (21-19) = (18-16) | 350uH MIN. @ 8mA DC @ 0.1Vrms, 100kHz |
| **LEAKAGE INDUCTANCE** | |
| (1-3) WITH (24,23,22 SHORT) | 0.40uH MAX. @1MHz |
| (4-6) WITH (21,20,19 SHORT) | 0.50uH MAX. @1MHz |
| (7-9) WITH (18,17,16 SHORT) | 0.50uH MAX. @1MHz |
| (10-12) WITH (15,14,13 SHORT) | 0.40uH MAX. @1MHz |
| **D.C. RESISTANCE** | |
| (1-2)=(2-3)=(10-11)=(11-12) | 0.50 OHMS MAX. |
| (24-23)=(23-22)=(15-14)=(14-13) | 0.80 OHMS MAX. |
| (4-5)=(5-6)=(7-8)=(8-9) | 0.90 OHMS MAX. |
| (21-20)=(20-19)=(18-17)=(17-16) | 0.80 OHMS MAX. |
| **INTERWINDING CAPACITANCE** | |
| (1,2,3) TO (24,23,22)=(4,5,6) TO (21,20,19) | 40pF MAX. |
| (7,8,9) TO (18,17,16)=(10,11,12) TO (15,14,13) | 40pF MAX. |
| **RETURN LOSS** | |
| 2MHz TO 30MHz | 16dB MIN. |
| 60MHz TO 80MHz | 10dB MIN. |
| **INSERTION LOSS** | |
| 100kHz TO 100MHz | 1.5dB MAX. |
| **HIPOT** | PER HAND-WORK-03 |

| | | | |
|---|---|---|---|
| DRWN: DQ Chen | DATE: 11-03-04 | TITLE: ELECTRICAL SPECIFICATION | PART NO. / DRAWING NO.: X558-5500-48 |
| CHKD: HO | DATE: 11-03-04 | | FILE NAME: X558550048A.DWG |

STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX

[ ] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] | REV. : A

SCALE : N/A | SIZE : A4

PAGE : 2

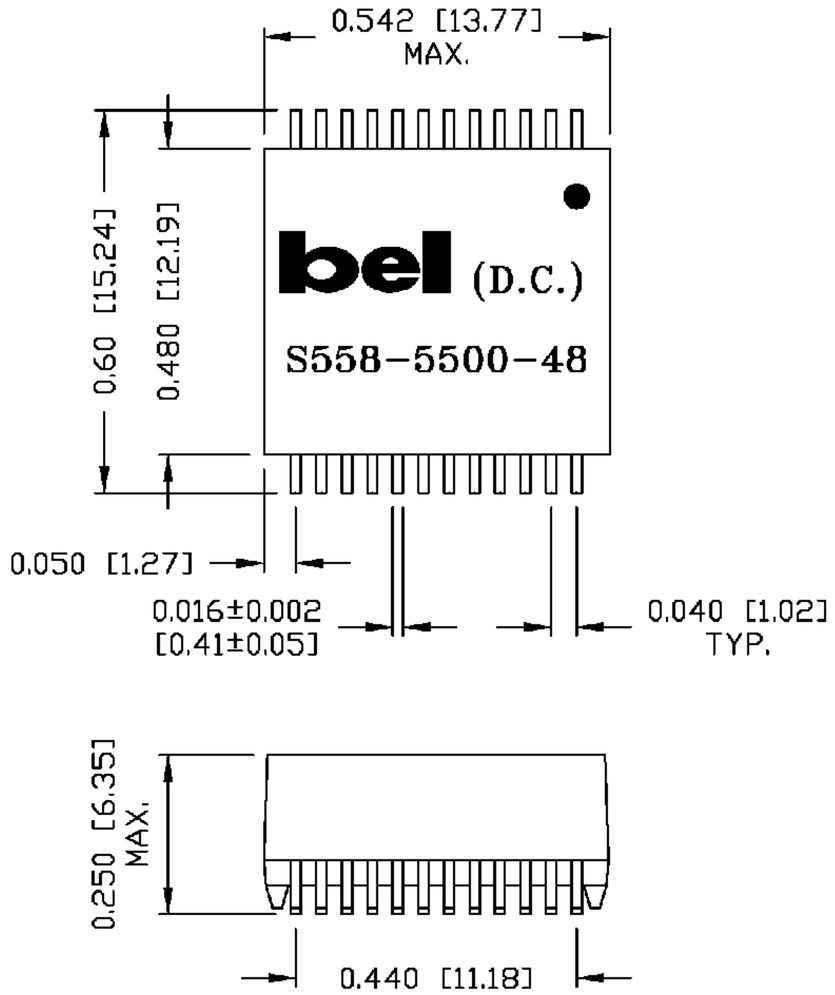
bel — COMPONENTS FOR A CONNECTED PLANET



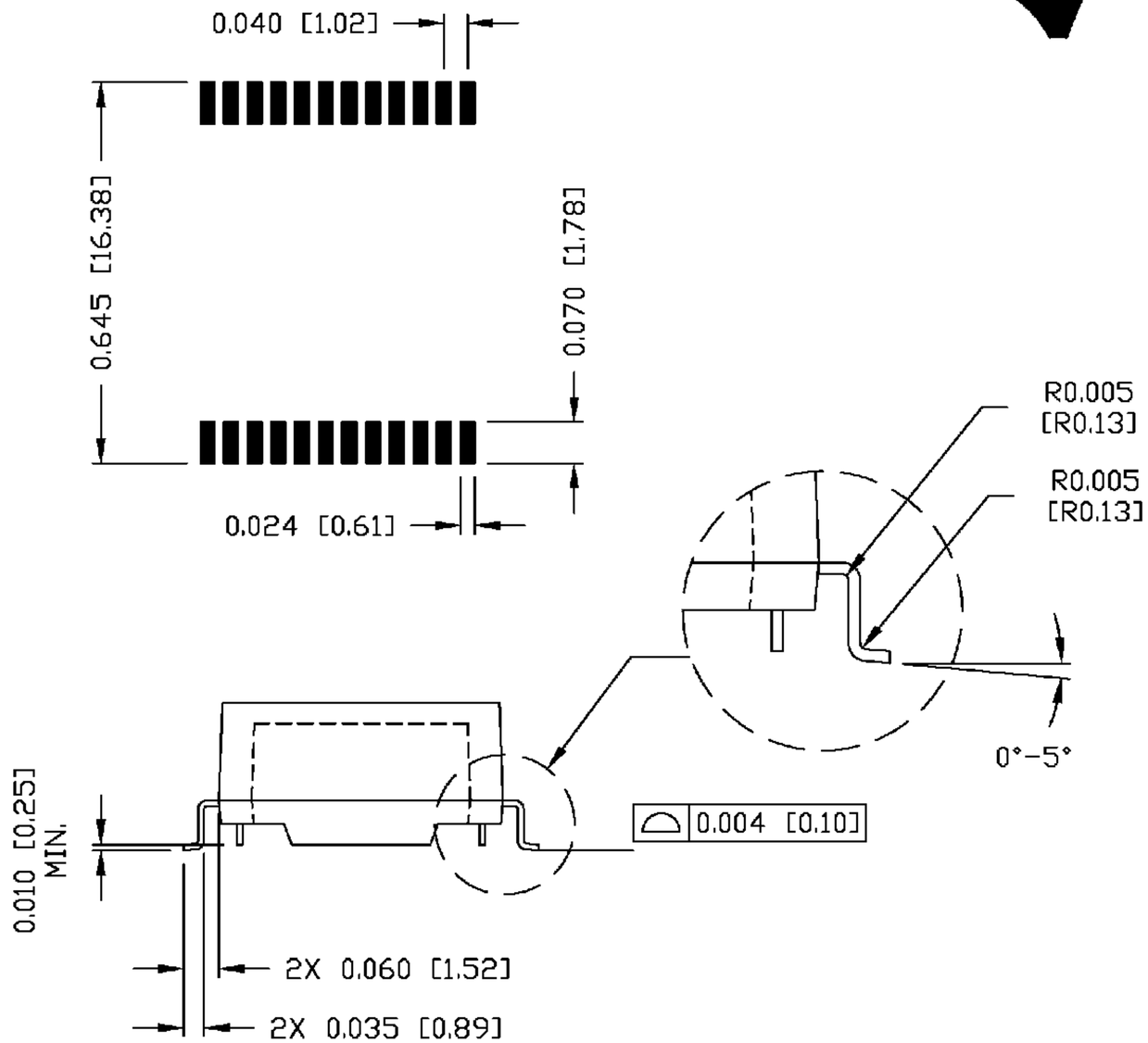
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SUGGESTED PCB PAD LAYOUT




NOTES:

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DRWN DQ Chen | DATE 11-03-04 | TITLE MECHANICAL SPECIFICATION | PART NO. / DRAWING NO. X558-5500-48 | STANDARD DIM. TOL. IN INCH | | [ ] METRIC DIM. AS REFERENCE | |
| CHKD HO | DATE 11-03-04 | | FILE NAME X558550048A.DWG | .X | | UNIT : INCH [mm] | REV. : A |
| | | | | .XX | ±0.01 | SCALE : N/A | SIZE : A4 |
| | | | | .XXX | ±0.005 | | PAGE : 3 |

bel COMPONENTS FOR A CONNECTED PLANET

FORM NO. - ENG02082001

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