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RoHS
2002/95/EC



| LED1 POLARITY | | | LED2 POLARITY | | |
|---------------|--------|--------|---------------|--------|--------|
| PIN 13 | PIN 14 | COLOR | PIN 15 | PIN 16 | COLOR |
| + | - | ORANGE | + | - | ORANGE |
| - | + | GREEN | - | + | GREEN |

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

| | |
|-----|---------------|
| TP1 | 1CT : 1CT ±2% |
| TP2 | 1CT : 1CT ±2% |
| TP3 | 1CT : 1CT ±2% |
| TP4 | 1CT : 1CT ±2% |

CL @ 100kHz/100mVRMS

| | |
|-------------|------------|
| 8mA DC BIAS | 350μH MIN. |
|-------------|------------|

INS. LOSS

| | |
|------------------|-------------|
| 0.1MHz TO 1MHz | -1.1 dB MAX |
| 1MHz TO 65MHz | -0.5 dB MAX |
| 65MHz TO 100MHz | -0.8 dB MAX |
| 100MHz TO 125MHz | -1.2 dB MAX |

RET. LOSS (MIN)

| | |
|--------------|-----------------------|
| 0.5MHz-40MHz | -18 dB |
| 40MHz-100MHz | -12+20LOG(f/80MHz) dB |

CM TO CM REJ

| | |
|-----------------|------------|
| 100kHz - 100MHz | -30 dB MIN |
|-----------------|------------|

CM TO DM REJ

| | |
|-----------------|------------|
| 100kHz - 100MHz | -35 dB MIN |
|-----------------|------------|

HIPOT (Isolation Voltage):

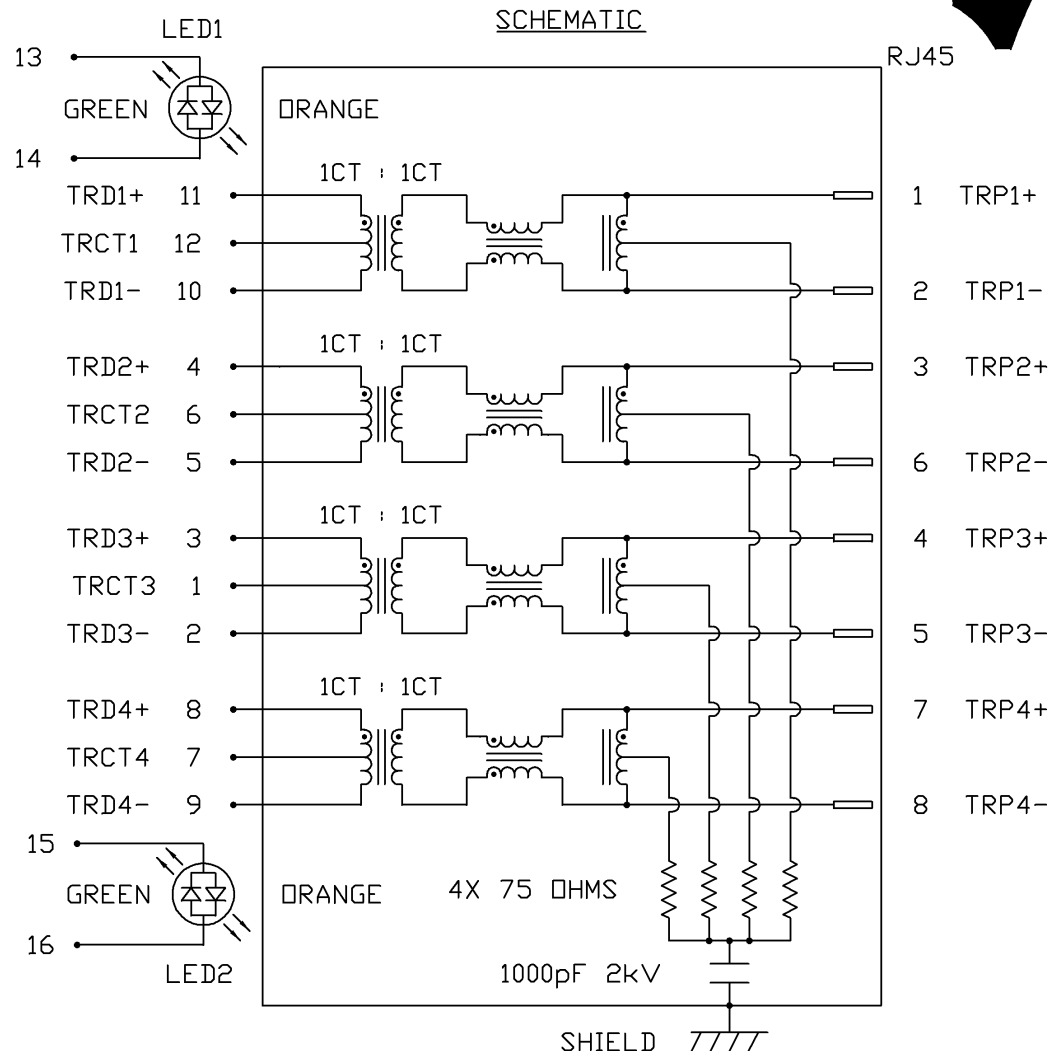
1500 Vrms



100% OF PRODUCTION TESTED

TO COMPLY WITH IEEE 802.3 REQUIREMENTS

LED 1 & LED 2

| | | | |
|--------------------------|---------|--------|------------|
| VF (FORWARD VOLTAGE) | IF=20mA | GREEN | 2.2V TYP. |
| | | ORANGE | 2.0V TYP. |
| λD (DOMINANT WAVELENGTH) | IF=20mA | GREEN | 565nm TYP. |
| | | ORANGE | 610nm TYP. |



| | | | | | | | | | | | |
|---------------|--|----------|-------|------------------------|--|---------------|------|---|--|---|-----------|
| ORIGINATED BY | | DATE | TITLE | PART NO. / DRAWING NO. | | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | |  | |
| CHOW WANCHUNG | | 08-06-08 | | 08261B4T23-F | | TOL. IN INCH | | UNIT : INCH [mm] | | | REV. : B |
| DRAWN BY | | DATE | | FILE NAME | | .X | | SCALE : N/A | | | SIZE : A4 |
| WEIDE LEE | | 08-06-08 | | 08261B4T23-F_B.DWG | | .XX | |  | | | PAGE : 2 |
| | | | | | | | .XXX | | | | |



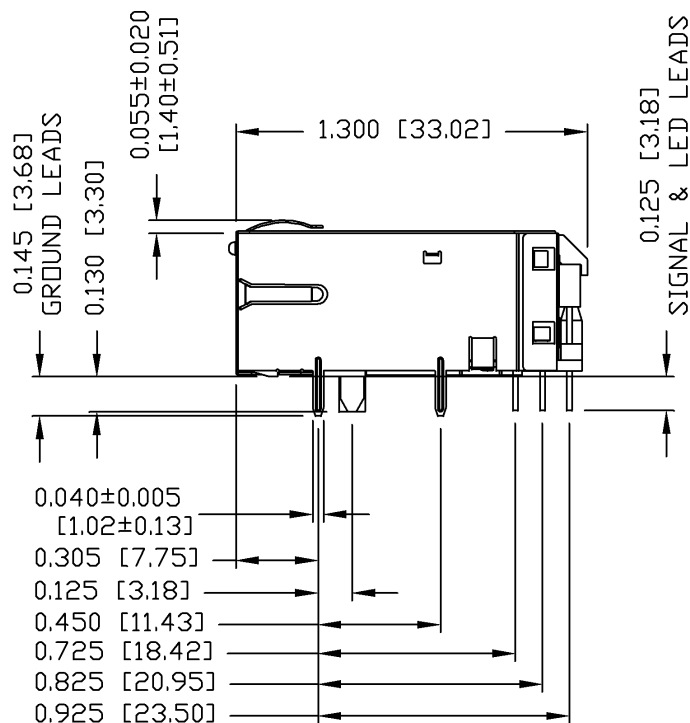
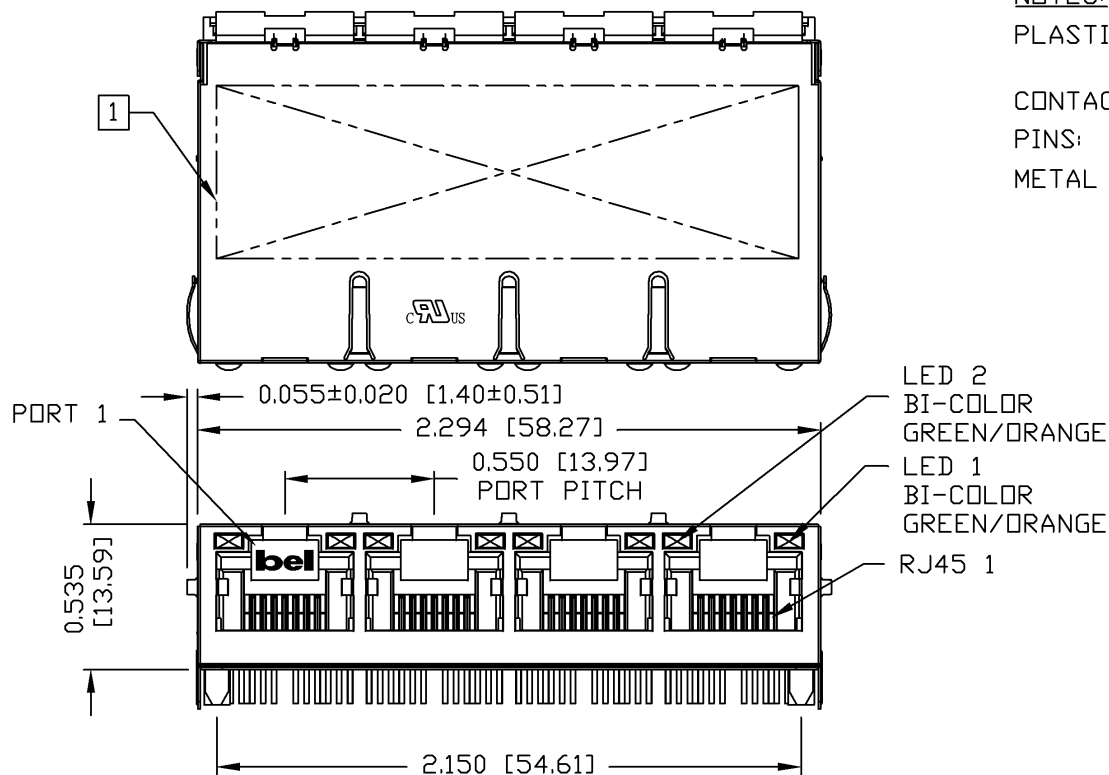
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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)



1 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.

2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL RECOGNIZED - FILE #E196366 AND E169987.

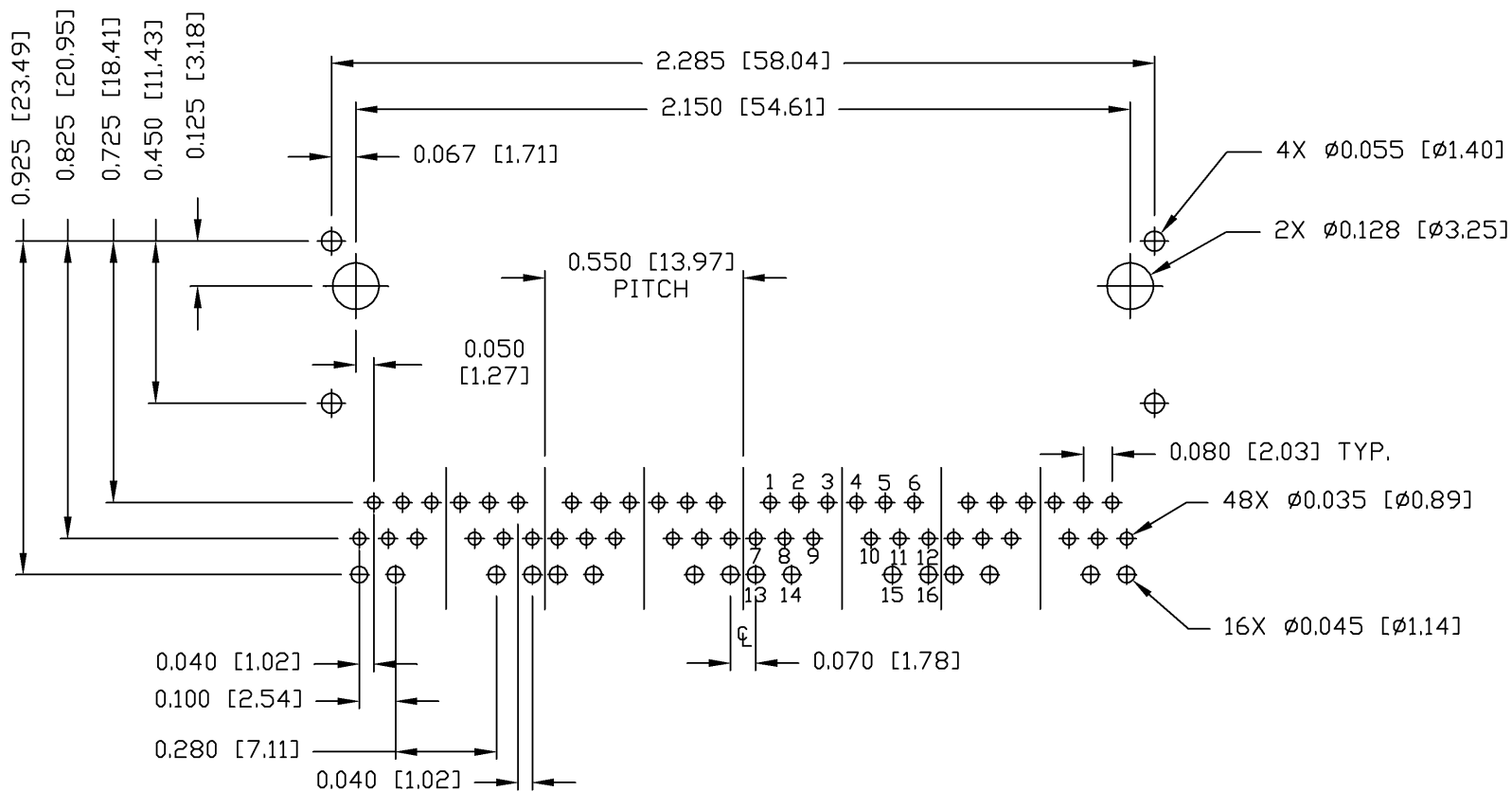
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. | [] METRIC DIM. AS REFERENCE | |
|---------------|----------|--|------------------------|---------------|------------------------------|-----------|
| ZX HUANG | 08-06-08 | 1X4 glgabit MagJack® (12 cores, Tab Up) 0826-1B4T-23-F | 08261B4T23-F | TOL. IN INCH | UNIT : INCH [mm] | REV. : B |
| DRAWN BY | DATE | | FILE NAME | .X | SCALE : N/A | SIZE : A4 |
| BL CHEN | 08-06-08 | | 08261B4T23-F_B.DWG | .XX | | PAGE : 3 |
| | | | | .XXX | | |





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RECOMMENDED PCB FOOTPRINT

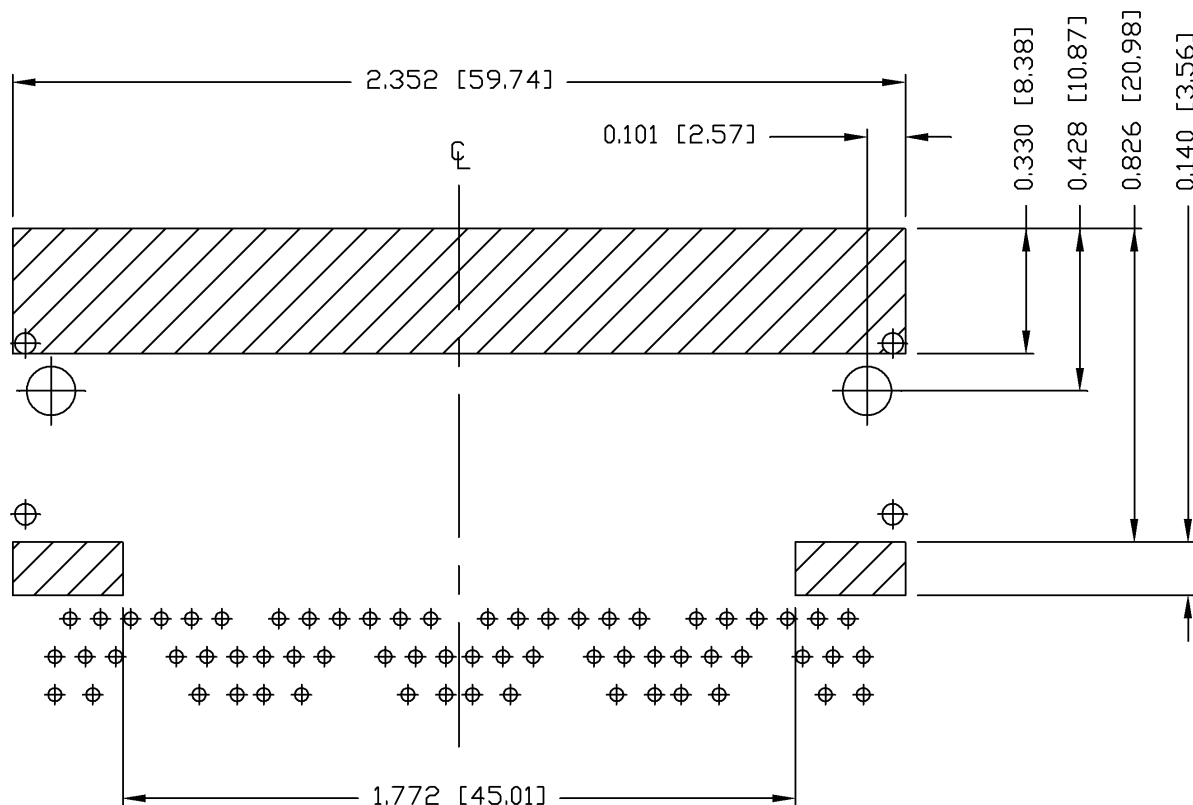
COMPONENT SIDE VIEW

| | | | | | | | | |
|---------------|----------|--|------------------------|---------------|---|------------------------------|-----------|--|
| ORIGINATED BY | DATE | TITLE 1X4 gigabit MagJack® (12 cores,Tab Up) 0826-1B4T-23-F | PART NO. / DRAWING NO. | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | |  COMPONENTS ARE A CONNECTED PLANET |
| ZX HUANG | 08-06-08 | | 08261B4T23-F | TOL. IN INCH | | UNIT : INCH [mm] | REV. : B | |
| DRAWN BY | DATE | | FILE NAME | .X |  | SCALE : N/A | SIZE : A4 | |
| BL CHEN | 08-06-08 | | 08261B4T23-F_B.DWG | .XX | | PAGE : 4 | | |
| | | | .XXX | ±0.004 | | | | |



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NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

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|---------------|----------|---|---|---------------|------------------------------|-----------|
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| DRAWN BY | DATE | | | .X | SCALE : N/A | SIZE : A4 |
| BL CHEN | 08-06-08 | | | .XX | | PAGE : 5 |
| | | | | .XXX | ±0.004 | |

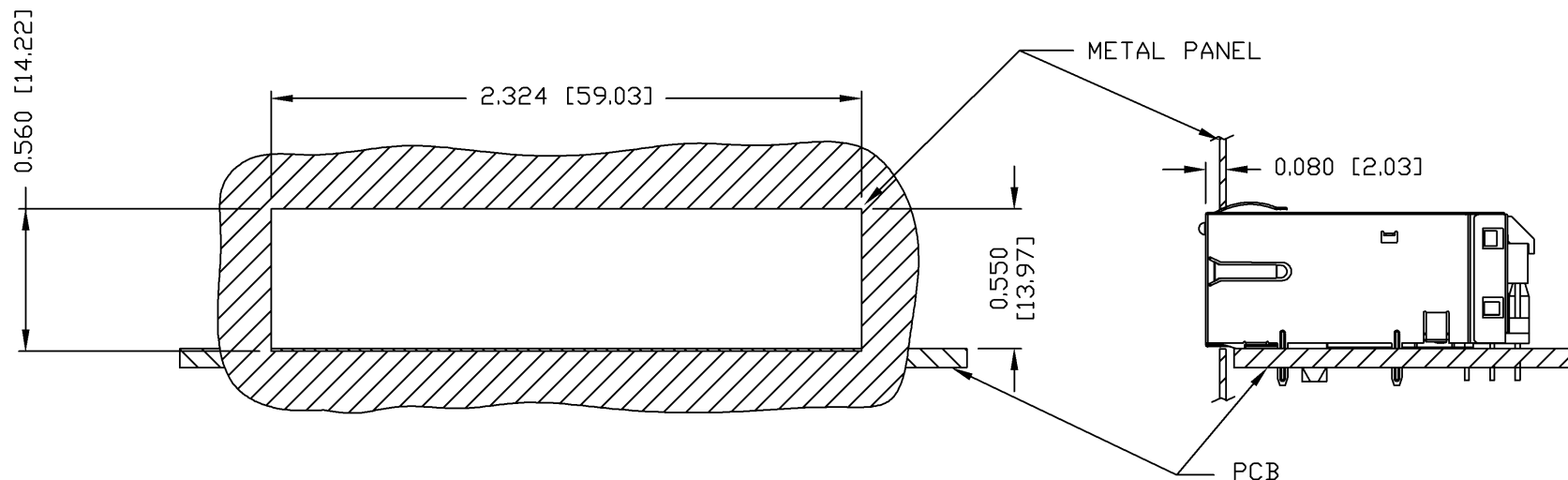


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SUGGESTED PANEL OPENING



NOTES:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-B4 (TOP)
0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOODS PER TRAY
10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

| ORIGINATED BY | DATE | TITLE | PART NO. / DRAWING NO. | STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REFERENCE | |
|---------------|----------|--|------------------------|-------------------------------|------------------------------|-----------|
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| BL CHEN | 08-06-08 | | 08261B4T23-F_B.DWG | .XXX ±0.004 | ⊕ | PAGE : 6 |

bel
COMPONENTS FOR A
CONNECTED
PLANET