

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



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

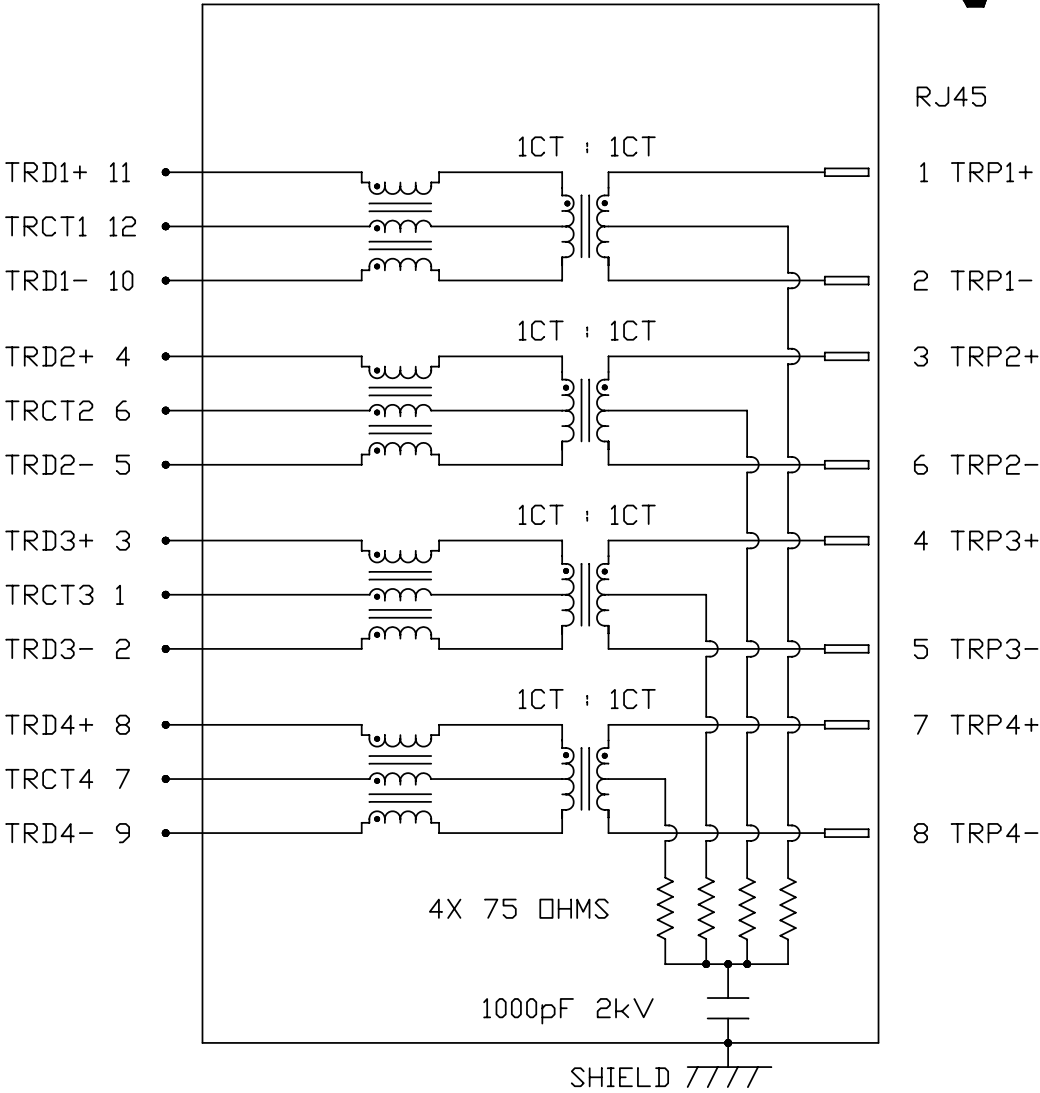
HIPOT (Isolation Voltage): 1500 Vrms

OPERATING TEMPERATURE: -40 TO +85°C

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS.

SCHEMATIC



ORIGINATED BY CHOW WANCHUNG	DATE 2012-08-14	TITLE 1X4 gigabit MagJack® (Ext, Temp, Tab Up) 0816-1X4T-32-F PATENTED	PART NO. / DRAWING NO. 08161X4T32-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : B
DRAWN BY TAN QIGUANG	DATE 2012-08-14		FILE NAME 08161X4T32-F_B.DWG		SCALE : N/A	SIZE : A4
						PAGE : 2



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NOTES:

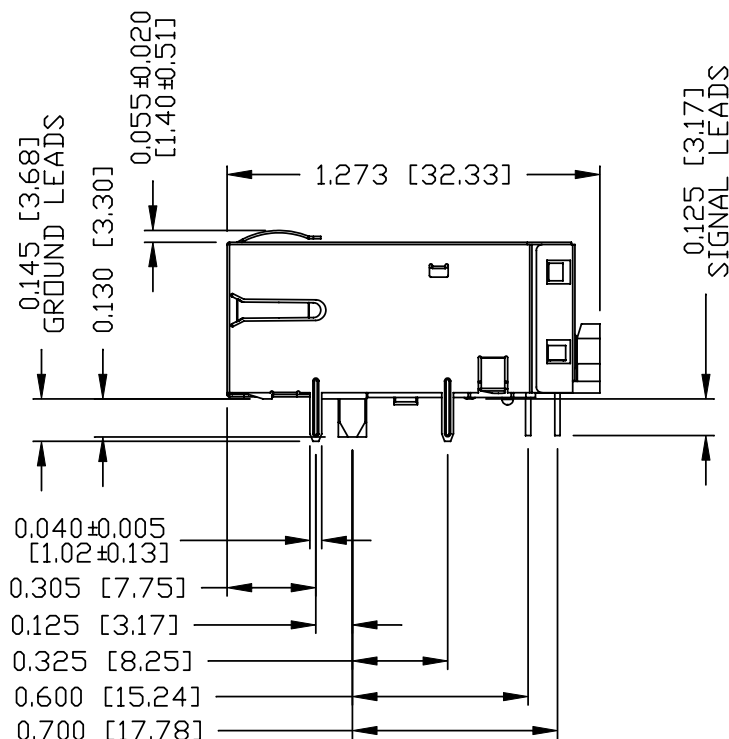
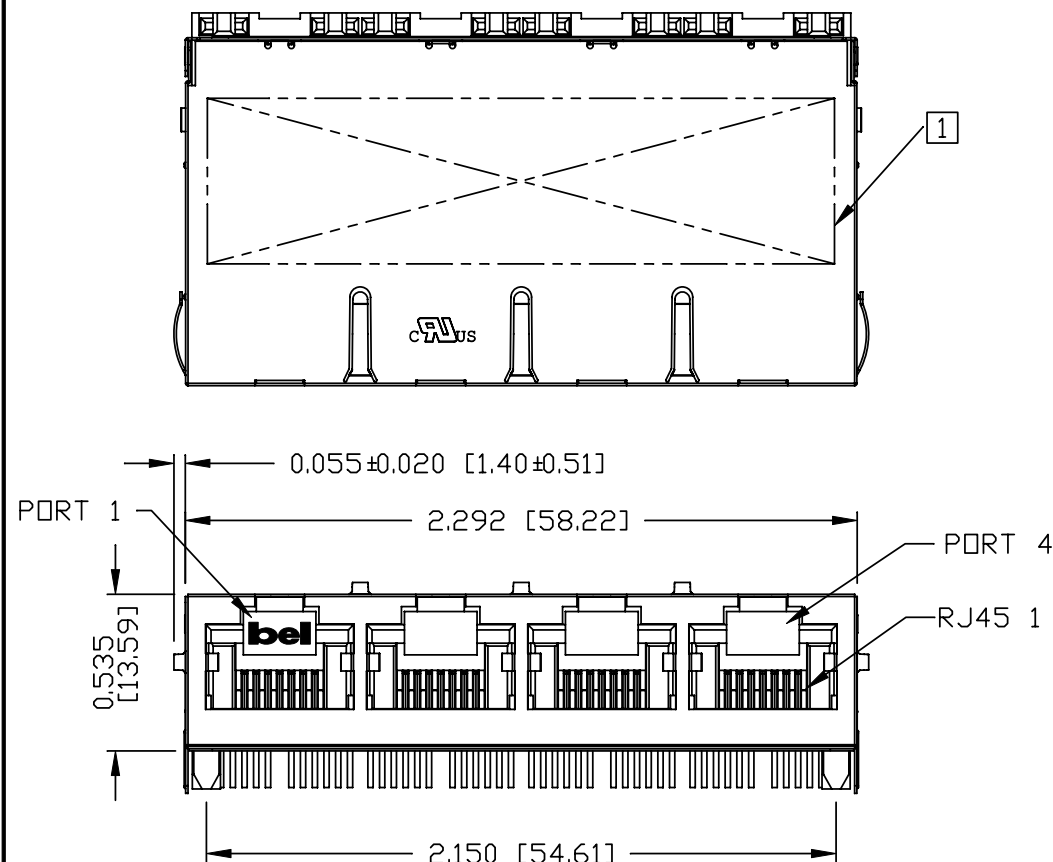
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
OR EQUIVALENT.

PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY,
(ALL GROUND LEADS ARE SOLDER DIPPED)

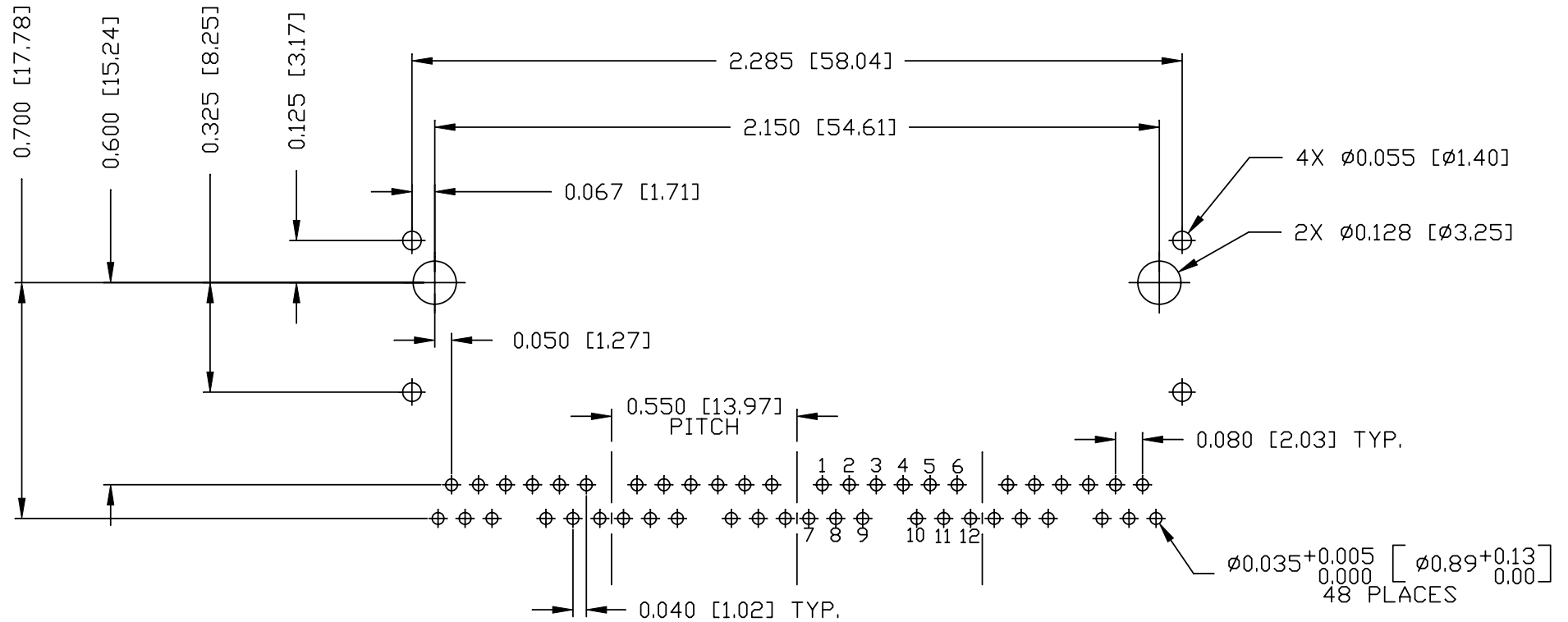
[1] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER
DATE CODE AND PATENTED.



- C** **UL** **US**UL RECOGNIZED - FILE #E196366 AND E169987.
- THE PRODUCT IS RoHS COMPLIANT.
 - JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
 - THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE
U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

ORIGINATED BY ANTON LIAO	DATE 2012-08-14	TITLE 1X4 gigabit MagJack® (Ext, Temp, Tab Up) 0816-1X4T-32-F PATENTED	PART NO. / DRAWING NO. 08161X4T32-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.010	[] METRIC DIM. AS REFERENCE	
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DRAWN BY HE ZHEN	DATE 2012-08-14		FILE NAME 08161X4T32-F_B.DWG		SCALE : N/A	SIZE : A4
						PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

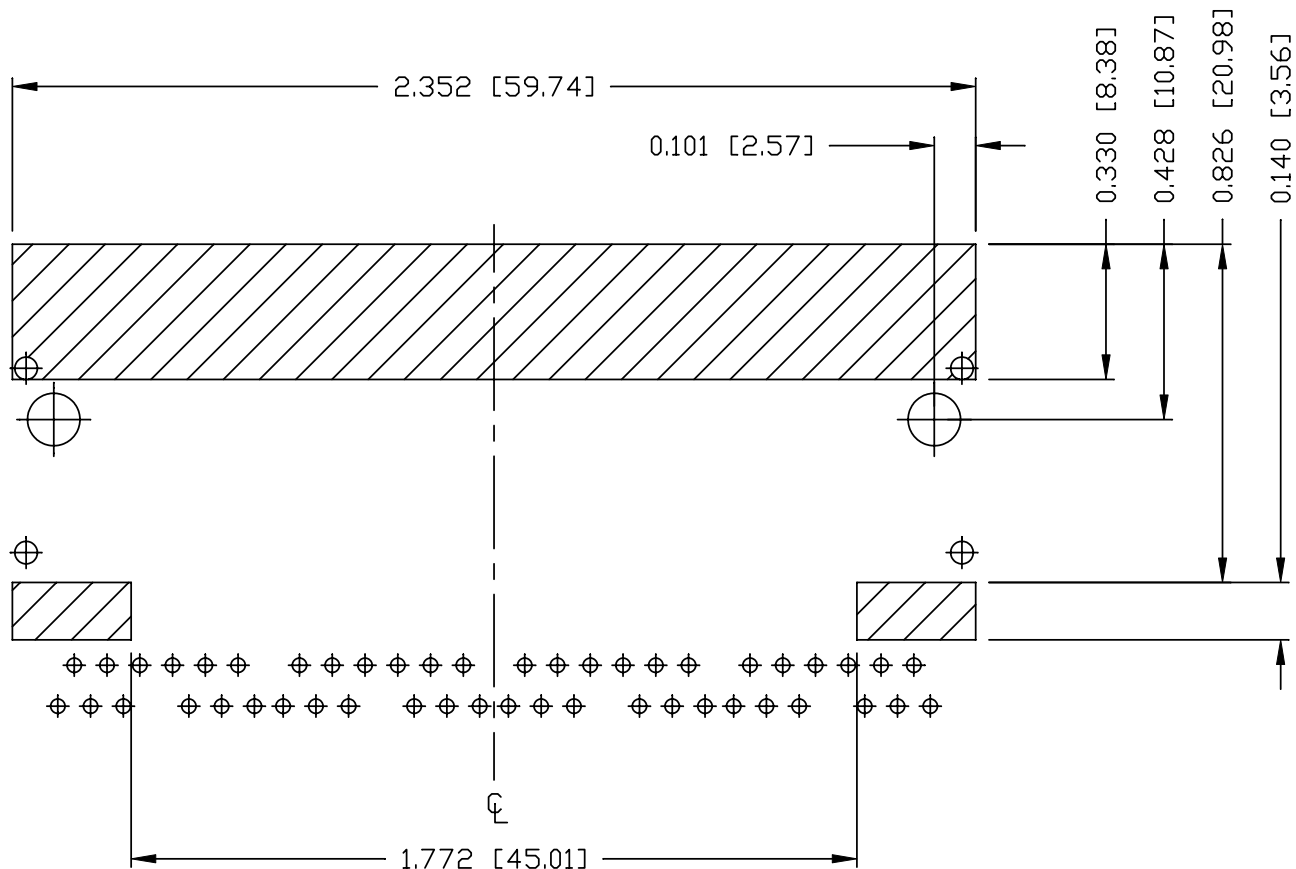


RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

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				.XXX	±0.004		PAGE : 4

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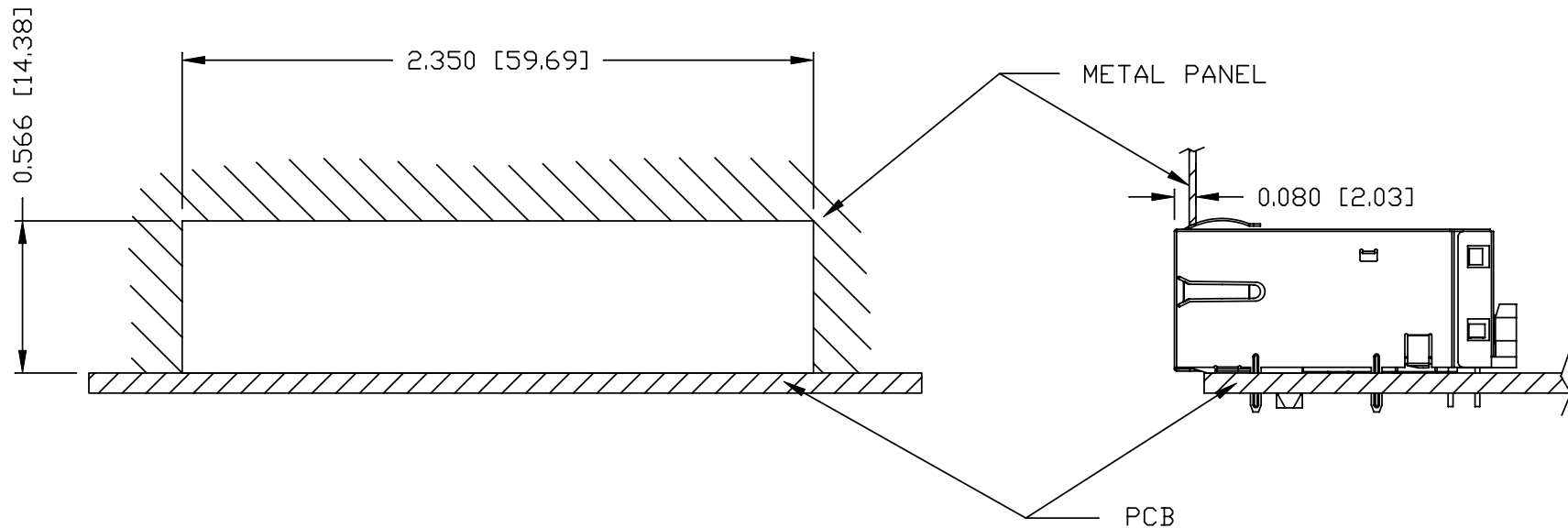
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

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				.XXX	±0.004		PAGE : 5





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 GOOD 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)

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				.XXX	±0.004		PAGE : 6