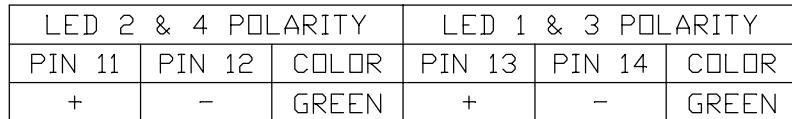


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### ELECTRICAL CHARACTERISTICS @ 25°C

### URNS RATIO

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

DCL @ 100kHz/100mVRMS

350  $\mu$ H 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

CM TO DM RF I

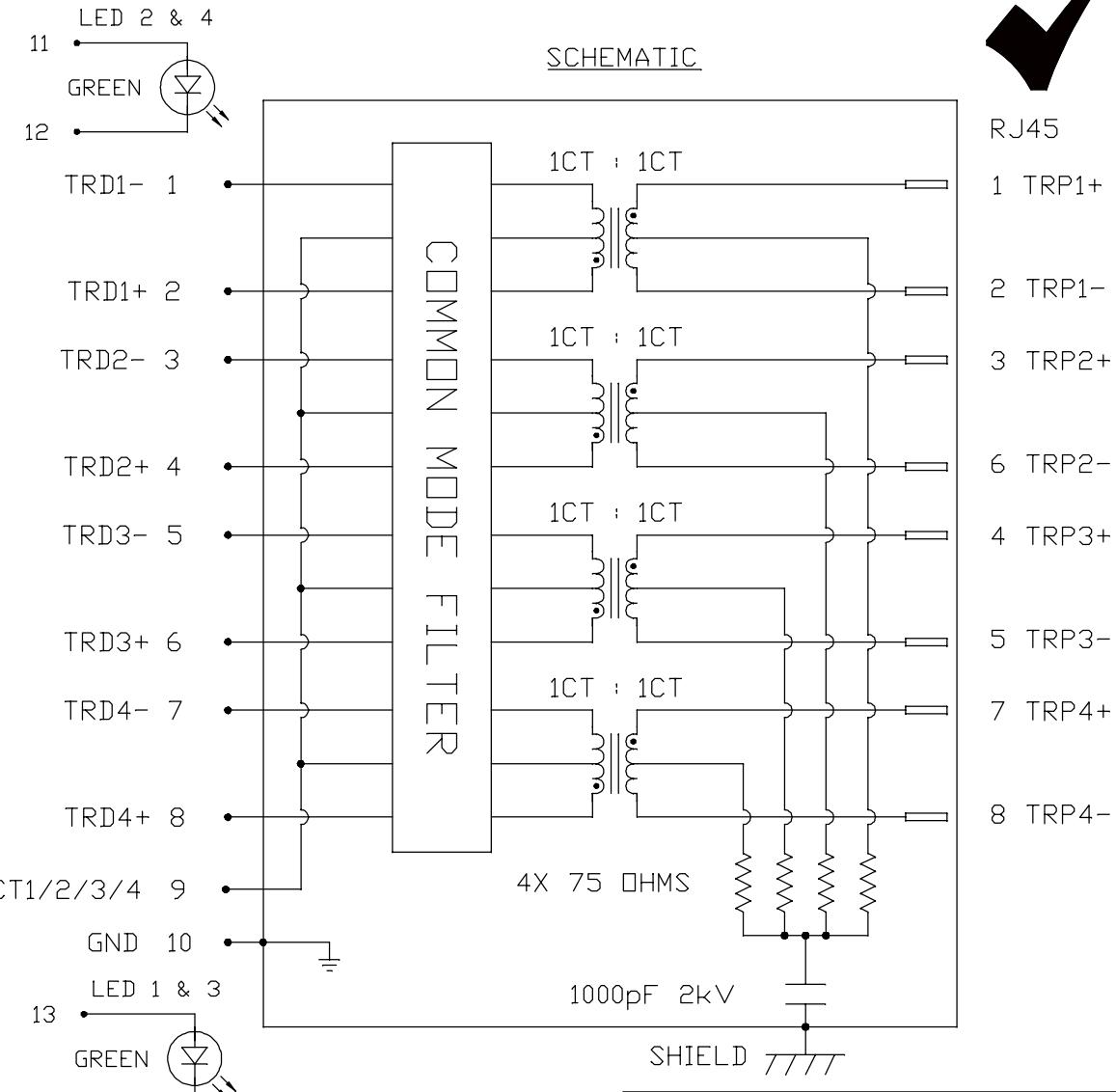
$$100\text{kHz} = 100\text{MHz}$$

### HIPOT (Insulation Voltage)

100% OF PRODUCTION TESTED TO COMPLY WITH  
IEEE 802.3 ISOLATION REQUIREMENTS.

## LEDS 1, 2, 3 AND 4

VF <FORWARD VOLTAGE> IF=20mA GREEN 2.2V TYP.  
 λD <DOMINANT WAVELENGTH> IF=20mA GREEN 570nm TYP.



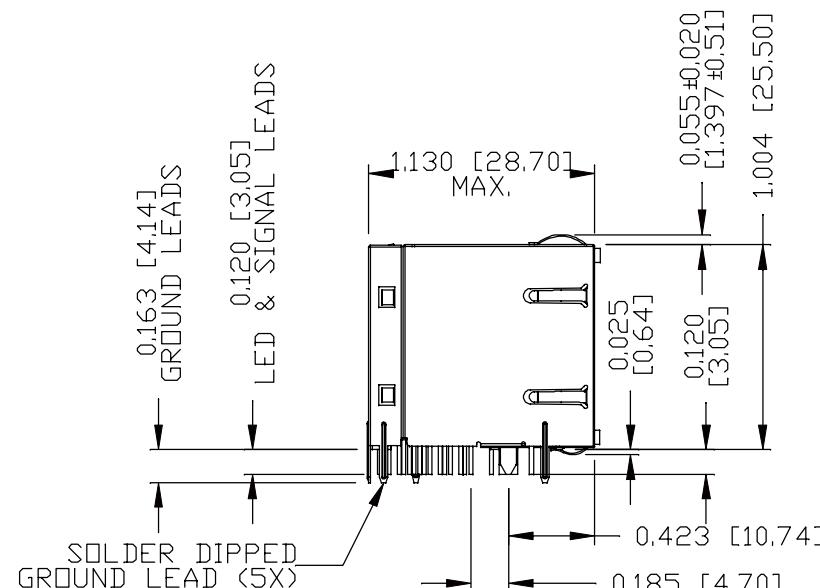
REV. : E PAGE : 2



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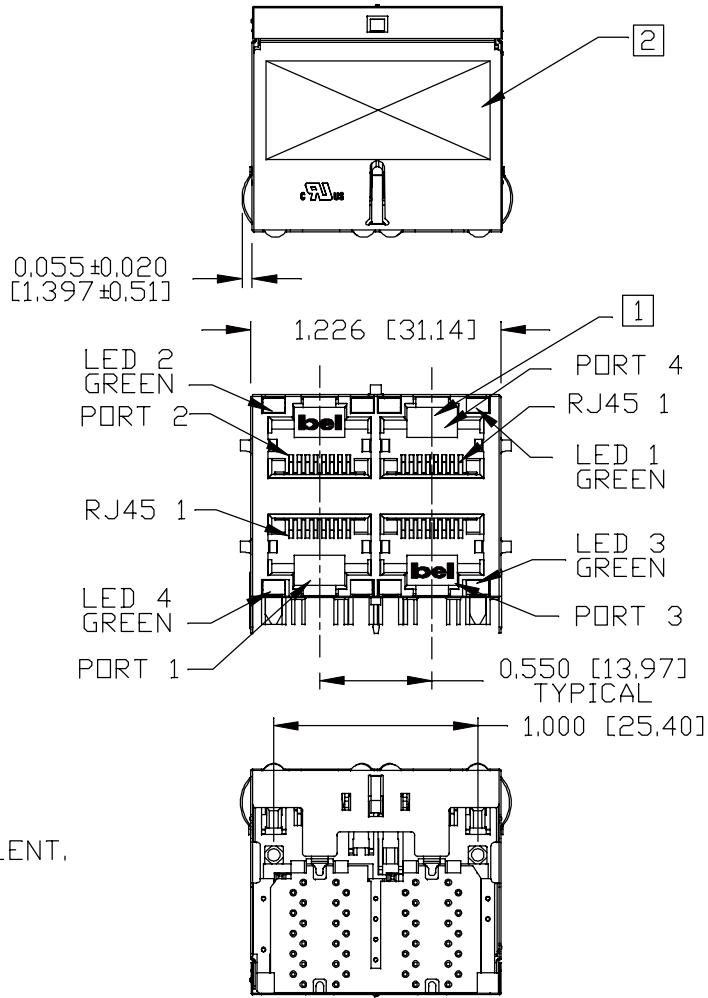
RoHS



NOTES:

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

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
3. THE PRODUCT IS RoHS COMPLIANT.



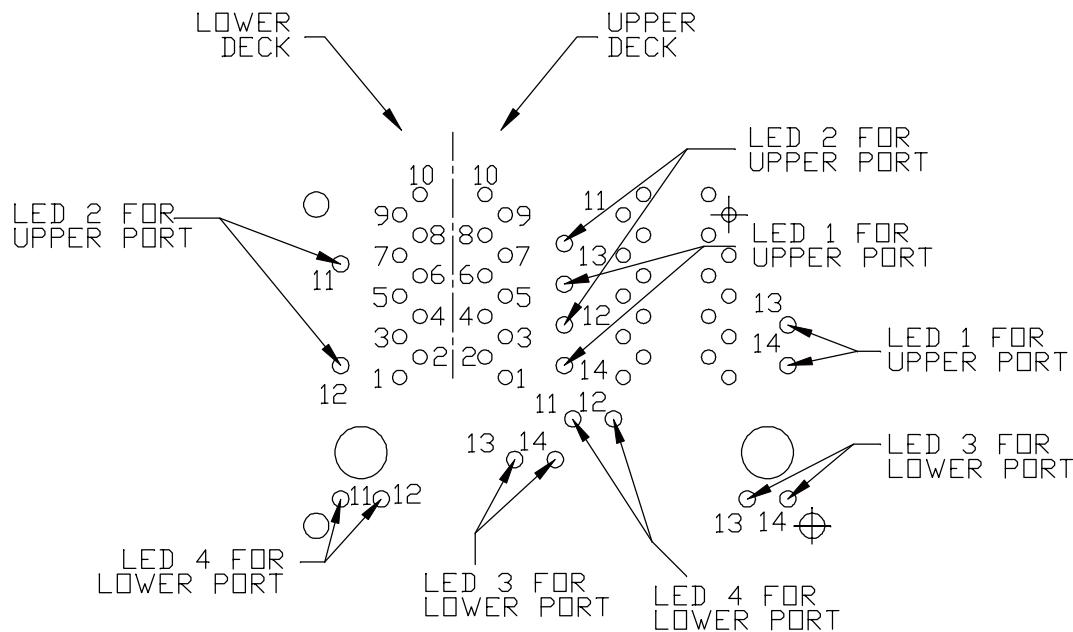
 UL RECOGNIZED - FILE #E196366 AND E169987.  
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE  
U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

REV. :	E	PAGE :	3
ORIGINATED BY SANDY LIN	TITLE 2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO. 0879-2G2R-54	STANDARD DIM. TOL. IN INCH
DATE 2016-04-15		FILE NAME 0879-2G2R-54_E.DWG	[ ] METRIC DIM. AS REF.
DRAWN BY XUE RIPPING			.X
DATE 2016-04-15			UNIT : INCH [mm]
			.XX
			SCALE : N/A
			.XXX
			±0.010
			
			SIZE : A4



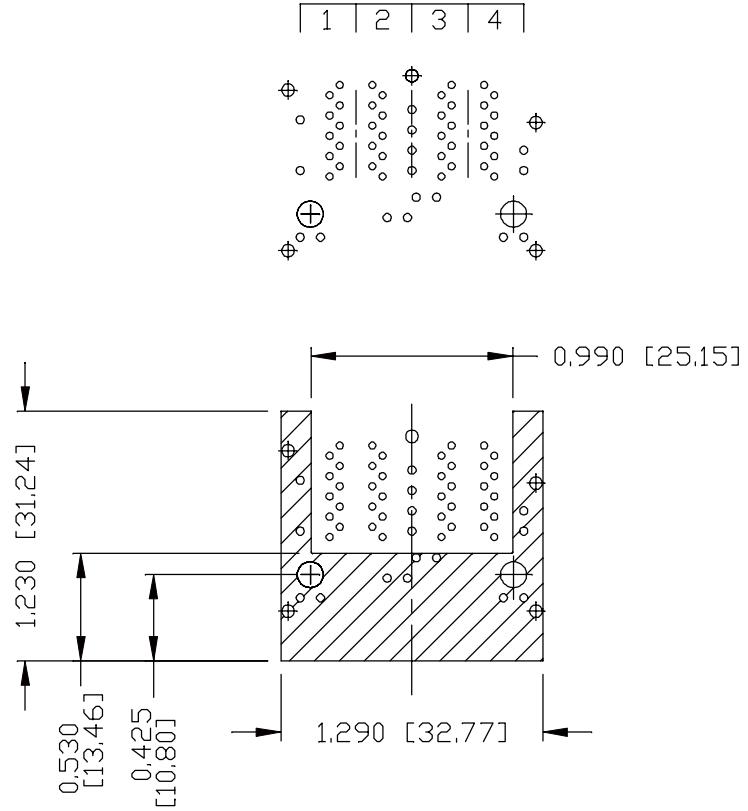
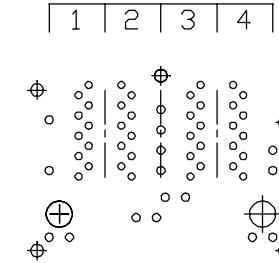
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PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)

10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-)
3	TRD 2-	13	GREEN (+)
2	TRD 1+	12	GREEN (-)
1	TRD 1-	11	GREEN (+)



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

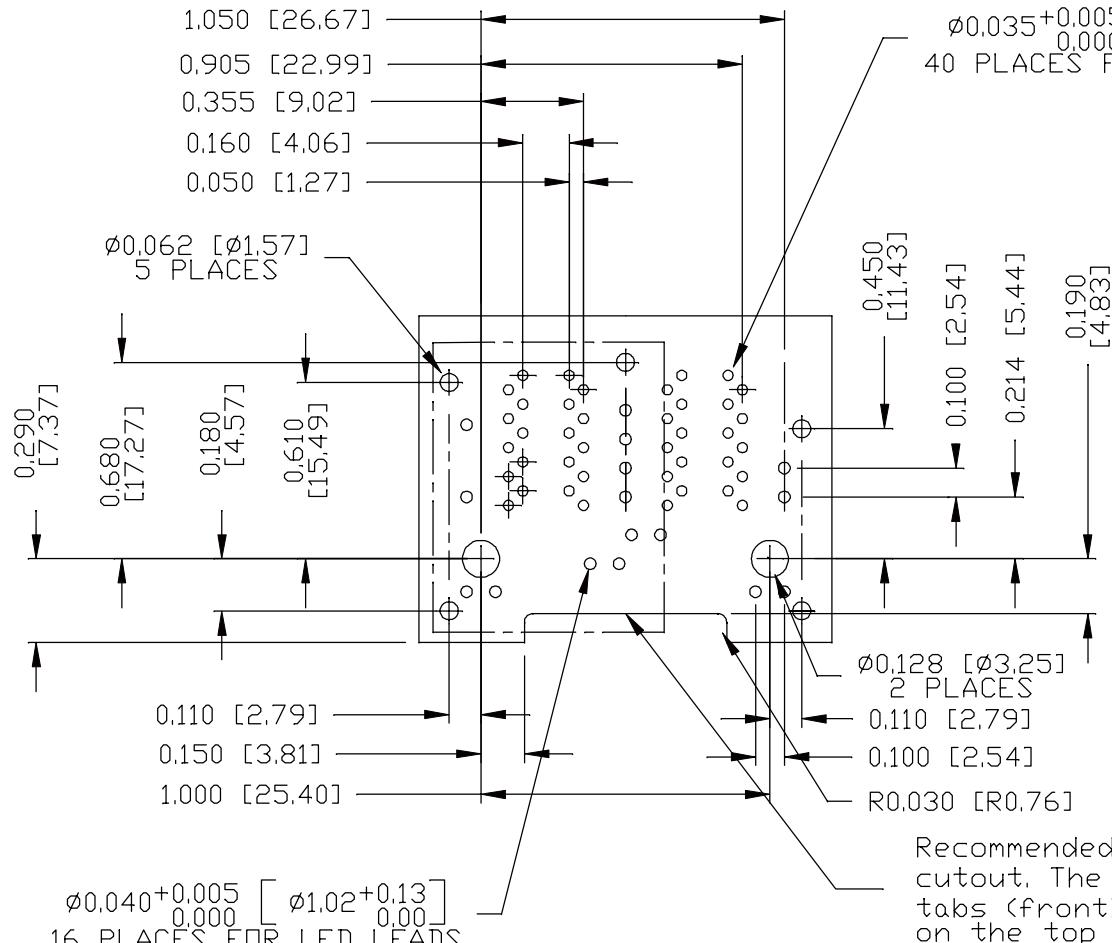
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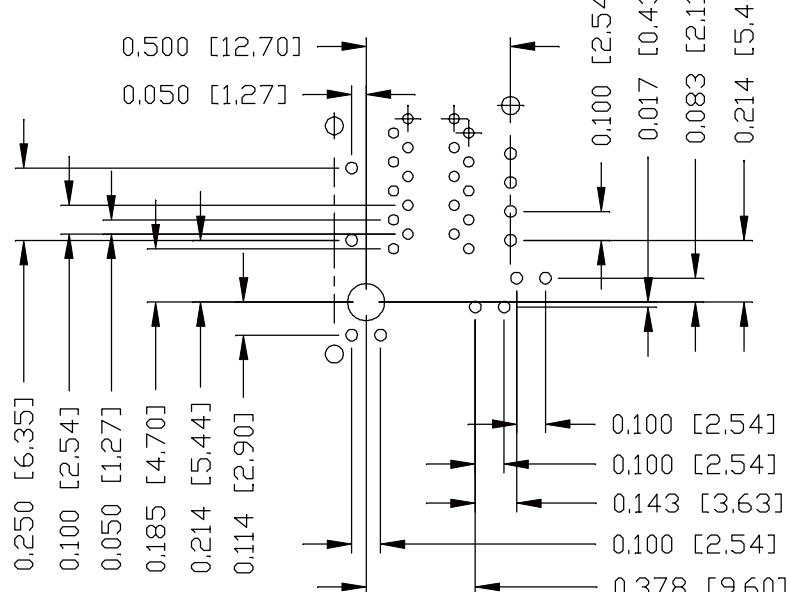
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SUGGESTED FOOTPRINT

(COMPONENT SIDE VIEW)



ORIGINATED BY  
SANDY LIN  
DATE 2016-04-15

DRAWN BY  
XUE RIPPING  
DATE 2016-04-15

TITLE  
2X2 gigabit MagJack®  
WITH UPPER AND LOWER LED  
(8 Cores)  
PATENTED

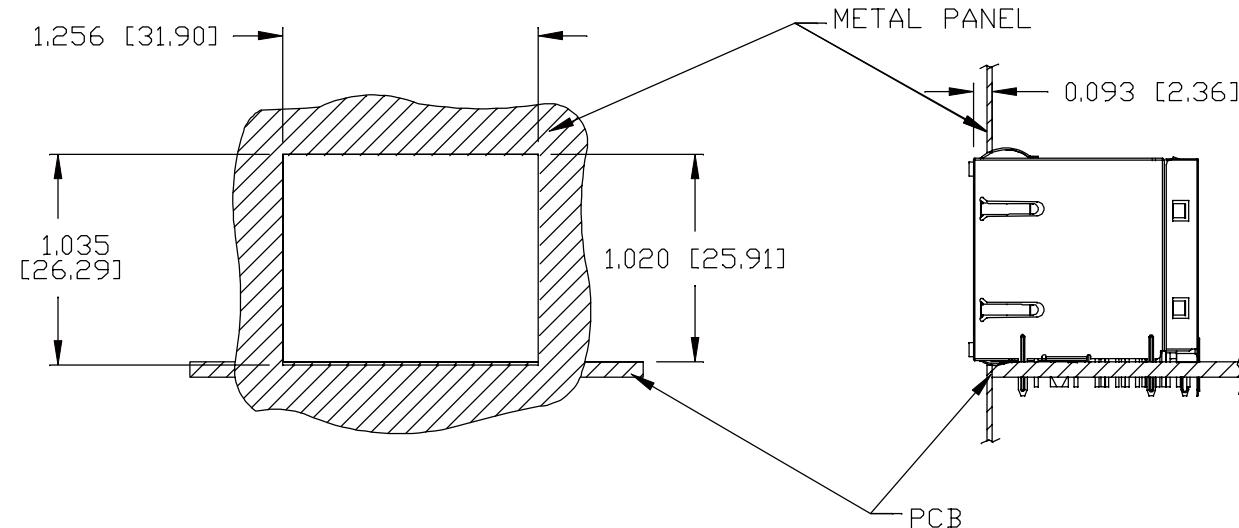
PART NO. / DRAWING NO.  
0879-2G2R-54

FILE NAME  
0879-2G2R-54\_E.DWG

STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.	
.X		UNIT : INCH [mm]	
.XX		SCALE : N/A	
.XXX	±0.004		SIZE : A4



SUGGESTED PANEL OPENING



NOTE:

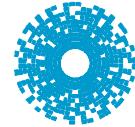
THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.  
 IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-P5 (TOP)  
 0200-9999-P6 (BOTTOM)

PACKING QUANTITY : 28 PCS FINISHED GOODS PER TRAY  
 7 TRAYS (196 PCS FINISHED GOODS) PER CARTON BOX

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

REV. :	E	PAGE :	6
ORIGINATED BY			
SANDY LIN			
DATE	2016-04-15		
DRAWN BY			
XUE RIPING			
DATE	2016-04-15		
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