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LED1 POLARITY			LED2 POLARITY		
PIN 27	PIN 28	COLOR	PIN 29	PIN 30	COLOR
-	+	GREEN	+	-	YELLOW
			-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT	±2%
TP2	1CT : 1CT	±2%
TP3	1CT : 1CT	±2%
TP4	1CT : 1CT	±2%
OCCL @ 100kHz, 100mVRMS	350 µH MIN.	
8mA DC BIAS		
INS. LOSS		
100KHz TO 100MHz	-1.1 dB MAX	
RET. LOSS (MIN)		
1MHz-30MHz	-18 dB	
30MHz-60MHz	-16 dB	
60MHz-80MHz	-14 dB	
80MHz-100MHz	-12 dB	
CM TO CM REJ		
100kHz - 100MHz	-25 dB TYP	
CROSS TALK		
1MHz - 60MHz	-35 dB TYP	
60MHz - 100MHz	-25 dB TYP	
HIPOT (Isolation Voltage):	1500 Vrms	
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.		

INTERWINDING CAPACITANCE

PER CHANNEL (PRI. TO SEC.)	50pF Max @ 1MHz
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DC RESISTANCE

(21-15)=(16-23)=(24-18)=(19-26)	1.2 ohms Max
(RJ1-RJ2)=(RJ3-RJ6)=(RJ4-RJ5)=(RJ7-RJ8)	1.2 ohms Max

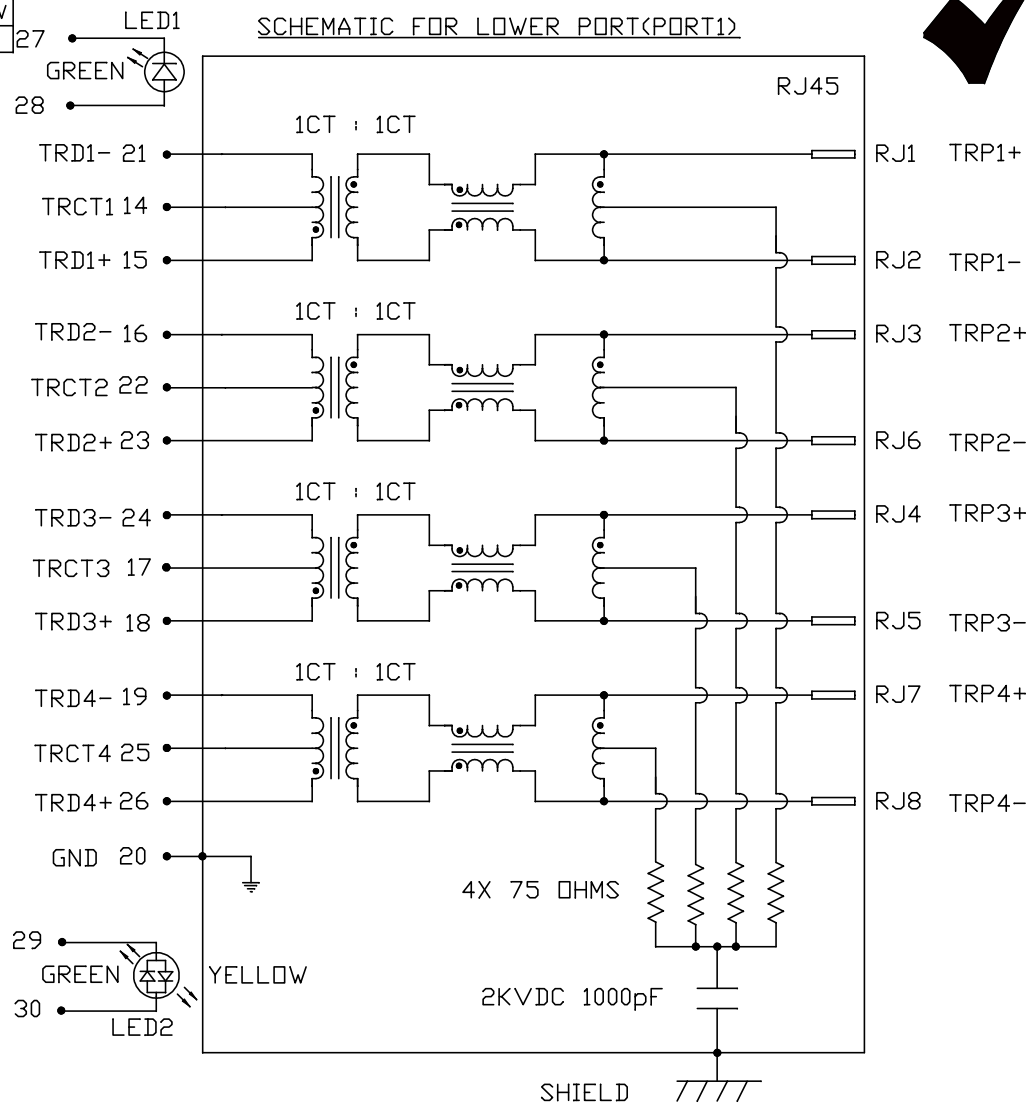
LED 1

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

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	2.1V TYP.
	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



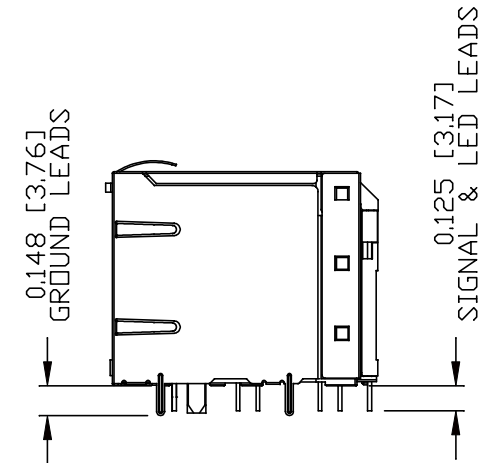
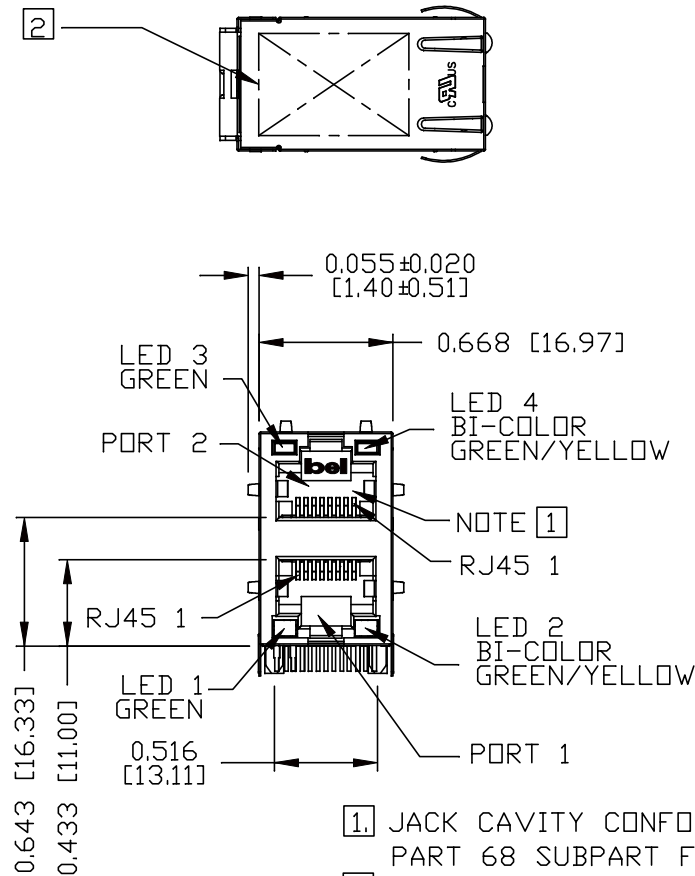
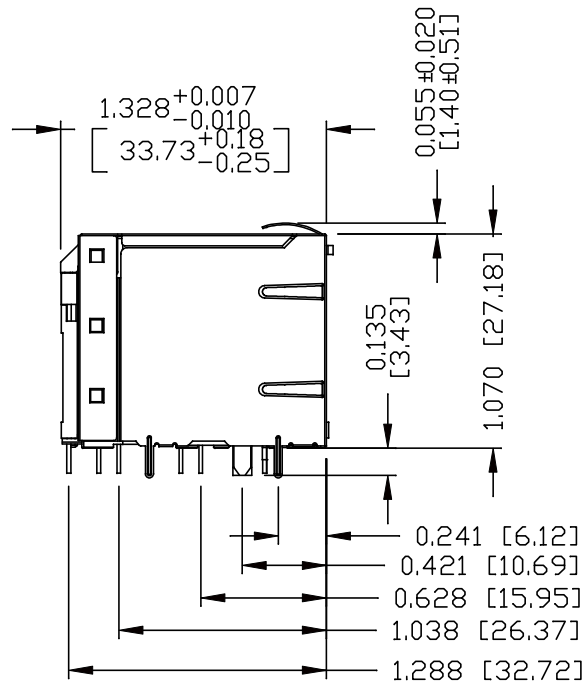
RoHS



ORIGINATED BY CHOW WANCHUNG DATE 2017-02-25	TITLE 2X1 gigabit MagJack® (WITH LED) PATENTED	PART NO. / DRAWING NO. 0845-2R1T-E4	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
DRAWN BY XIE YIMING DATE 2017-02-25		FILE NAME 0845-2R1T-E4_H.DWG	.X	UNIT : INCH [mm]	
			.XX	SCALE : N/A	
			.XXX	SIZE : A4	



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**NOTES:**

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

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
- THE PRODUCT IS RoHS COMPLIANCE.
- THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 6,840,817
- THE PRODUCT IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, AND 10 SECONDS MAX..

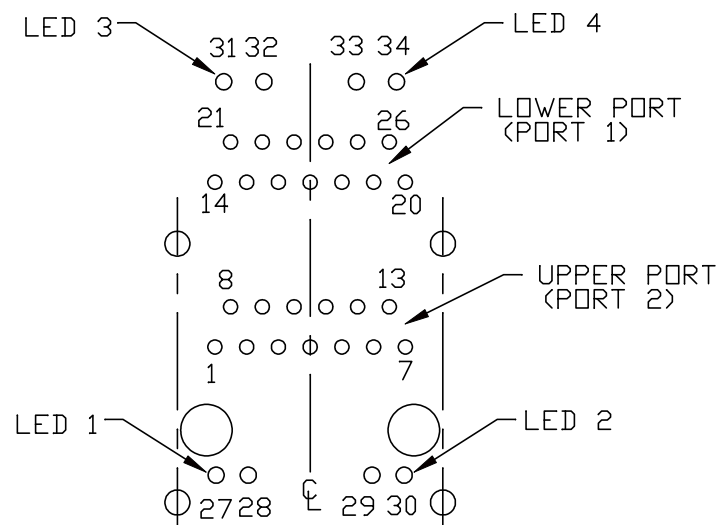
ORIGINATED BY ANTON LIAO DATE 2017-02-25		TITLE 2X1 gigabit MagJack® (WITH LED) PATENTED	PART NO. / DRAWING NO. 0845-2R1T-E4		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 bel MAGNETIC SOLUTIONS a bel group
DRAWN BY LIU DONGJUN DATE 2017-02-25			FILE NAME 0845-2R1T-E4_H.DWG		.X		UNIT : INCH [mm]		
					.XX		SCALE : N/A		
					.XXX		±0.010		
							SIZE : A4		

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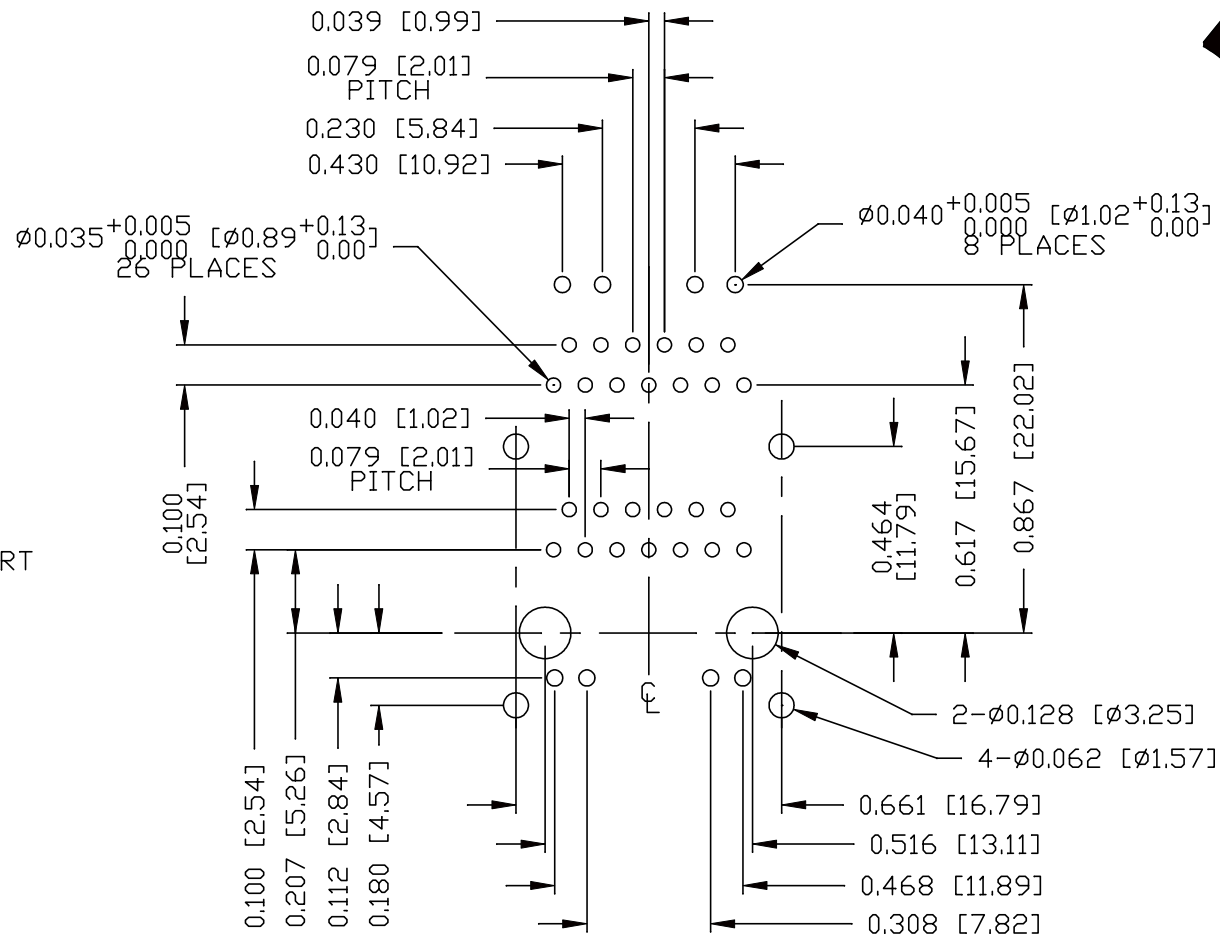
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LED CONFIGURATION



PIN-OUT INFORMATION (COMPONENT SIDE VIEW)



SUGGESTED FOOTPRINT (COMPONENT SIDE VIEW)

ORIGINATED BY
ANTON LIAO
DATE 2017-02-25

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LIU DONGJUN
DATE 2017-02-25

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PATENTED

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FILE NAME
0845-2R1T-E4_H.DWG

STANDARD DIM.
TOL. IN INCH

[] METRIC DIM.
AS REF.

.X

.XX

.XXX

±0.004

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

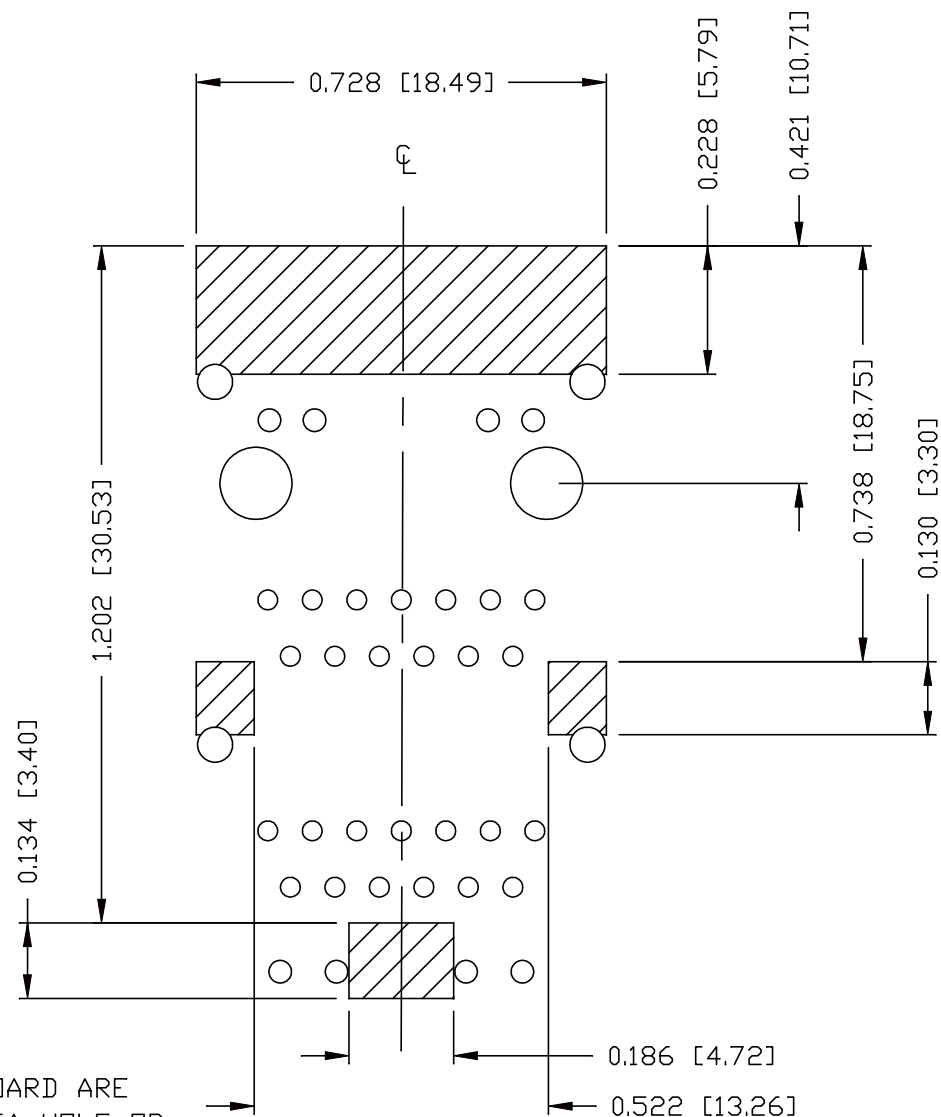
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**NOTES**

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

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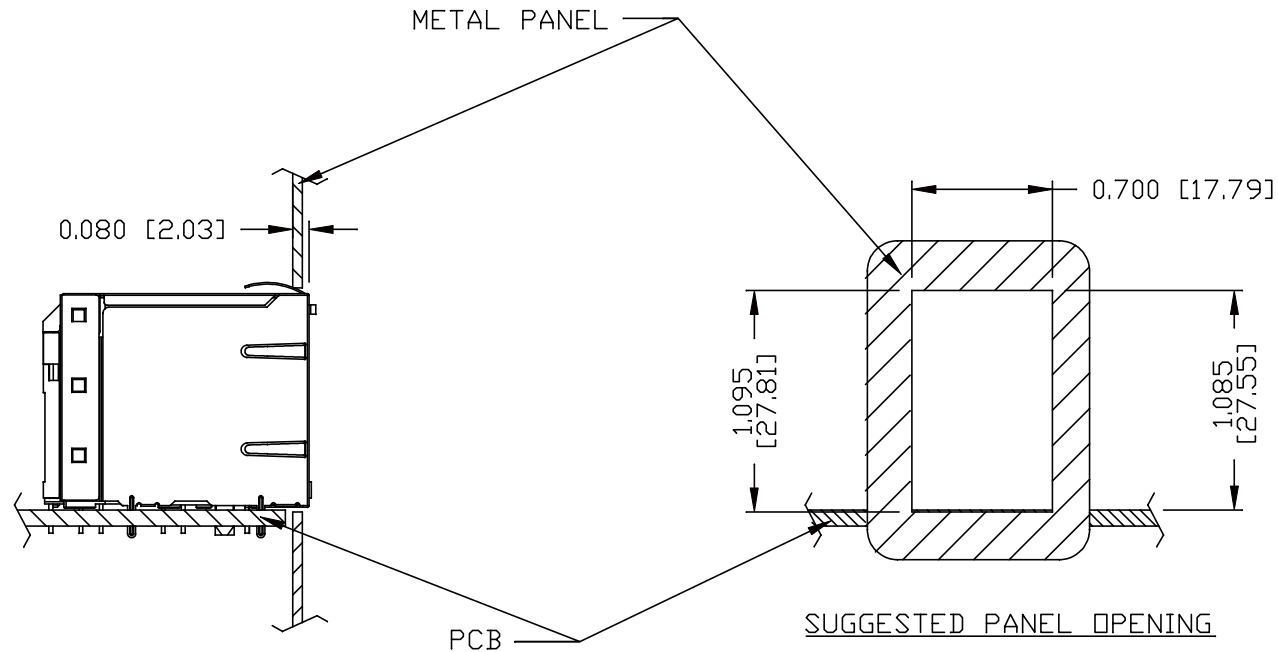
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bel MAGNETIC
SOLUTIONS
a bel group

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**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-H5 (TOP)
0200-9999-H6 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

REV. : H PAGE : 7

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