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LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	YELLOW	+	-	YELLOW
-	+	GREEN	-	+	GREEN

#### 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

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 ISOLATION REQUIREMENTS.

##### LED 1,LED 2,LED 3 & LED 4

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		YELLOW	590nm TYP.

PRELIMINARY

RoHS  
2002/95/EC

RJ45

1 TRP1+

2 TRP1-

3 TRP2+

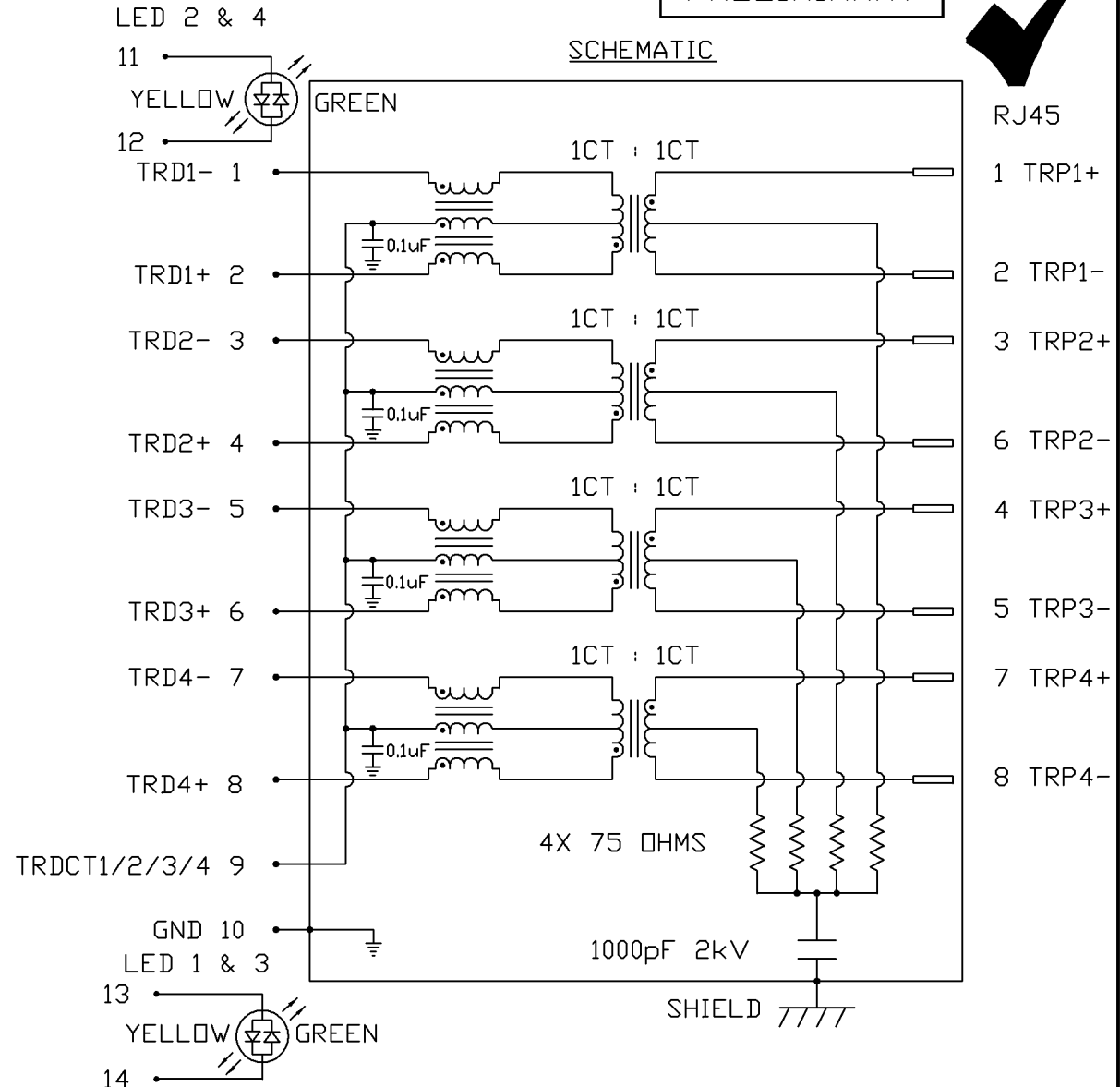
6 TRP2-



4 TRP3+

5 TRP3-

7 TRP4+

8 TRP4-



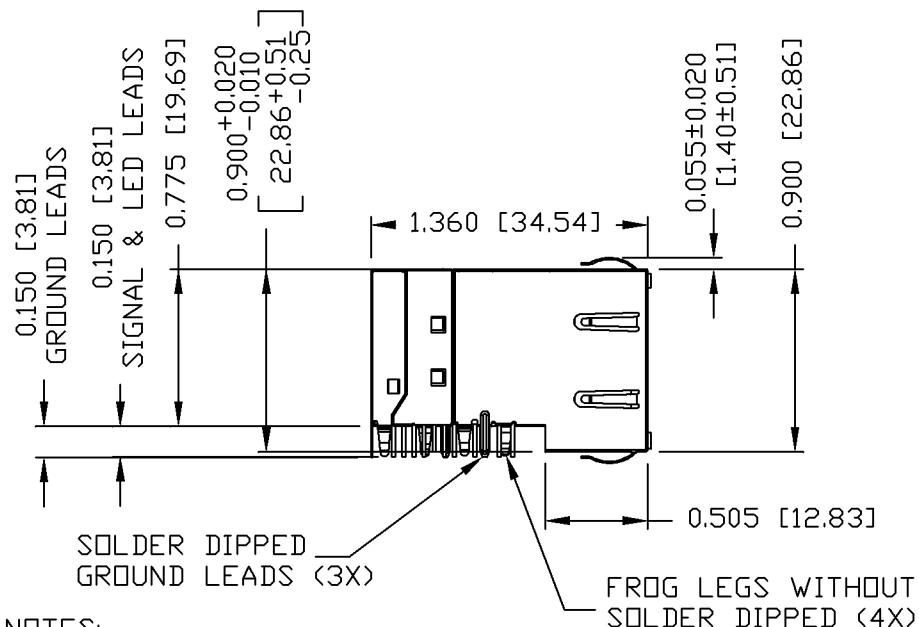
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE		 <b>COMPONENTS ON A CONNECTED PLANET</b>
WANCHUNG CHOW	01-12-09			TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE			.X		SCALE : N/A	SIZE : A4	
WEIDE LEE	01-12-09	.XX			PAGE : 2			
		.XXX						
		COMPRESSOR SERIES (8 Cores)	FILE NAME					
			C850-2C2R-CG_PB.DWG					

**bel**  
COMPONENTS FOR A  
CONNECTED  
PLANET

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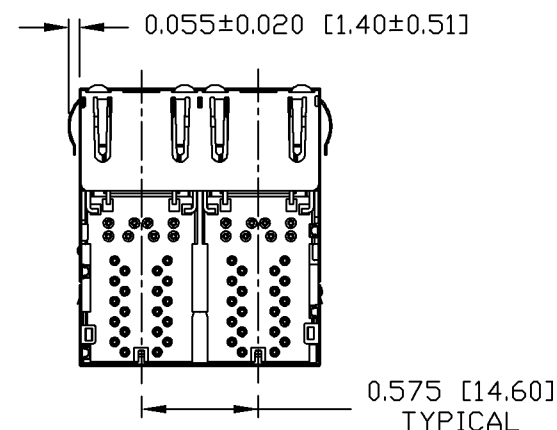
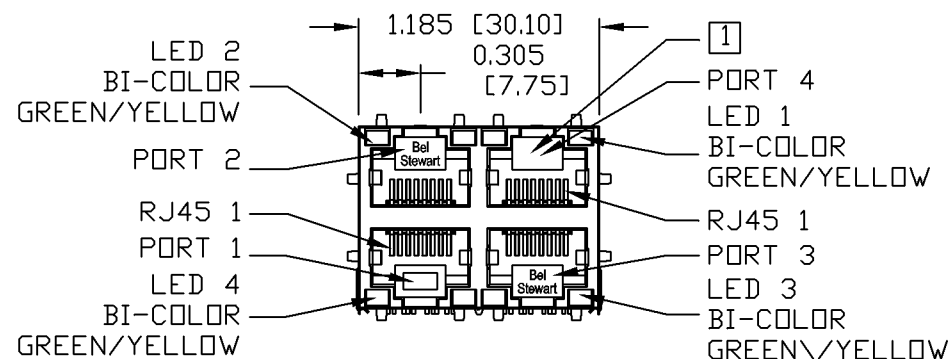
# NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT  
FLAMMABILITY RATING UL 94V-0  
CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING  
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)  
FROG LEGS ARE FOR PCB RETENTION FORCE ONLY AND NOT FOR GROUNDING PURPOSE

[1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

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

cULus UL RECOGNIZED - FILE #E196366 AND E169987.  
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

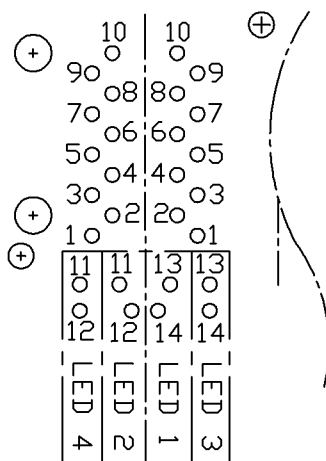


3. REVERSED POLARITY OF GENERAL 'C' LED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
HOWFAR WEI	01-12-09	2X2 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2C2R-CG	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX			PAGE : 3	
JOLLY LUD	01-12-09			.XXX	±0.010			

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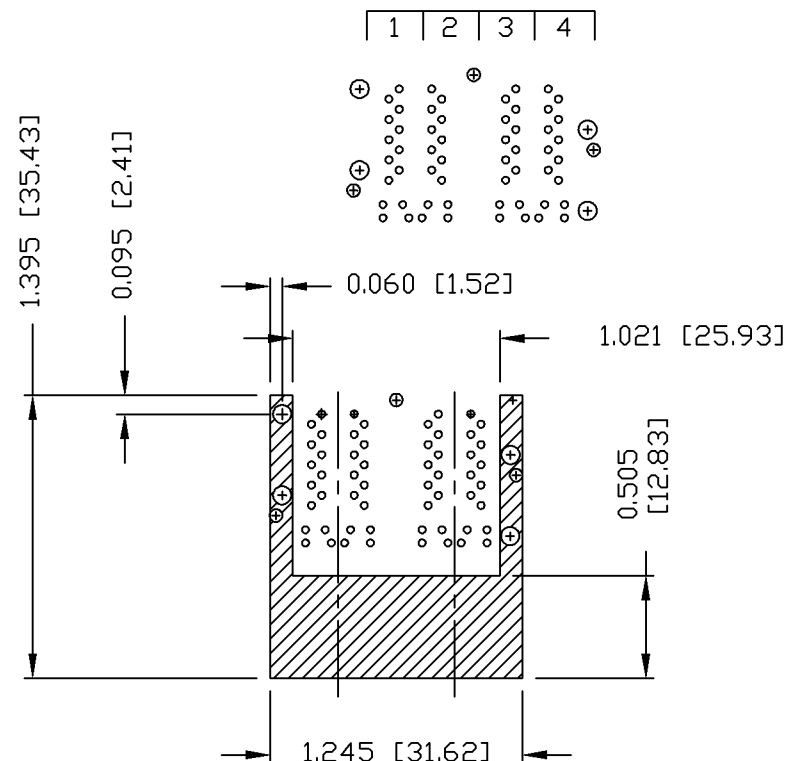


LED FOR LOWER DECK      LED FOR UPPER DECK

**PIN-OUT INFORMATION**  
(COMPONENT SIDE VIEW)

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

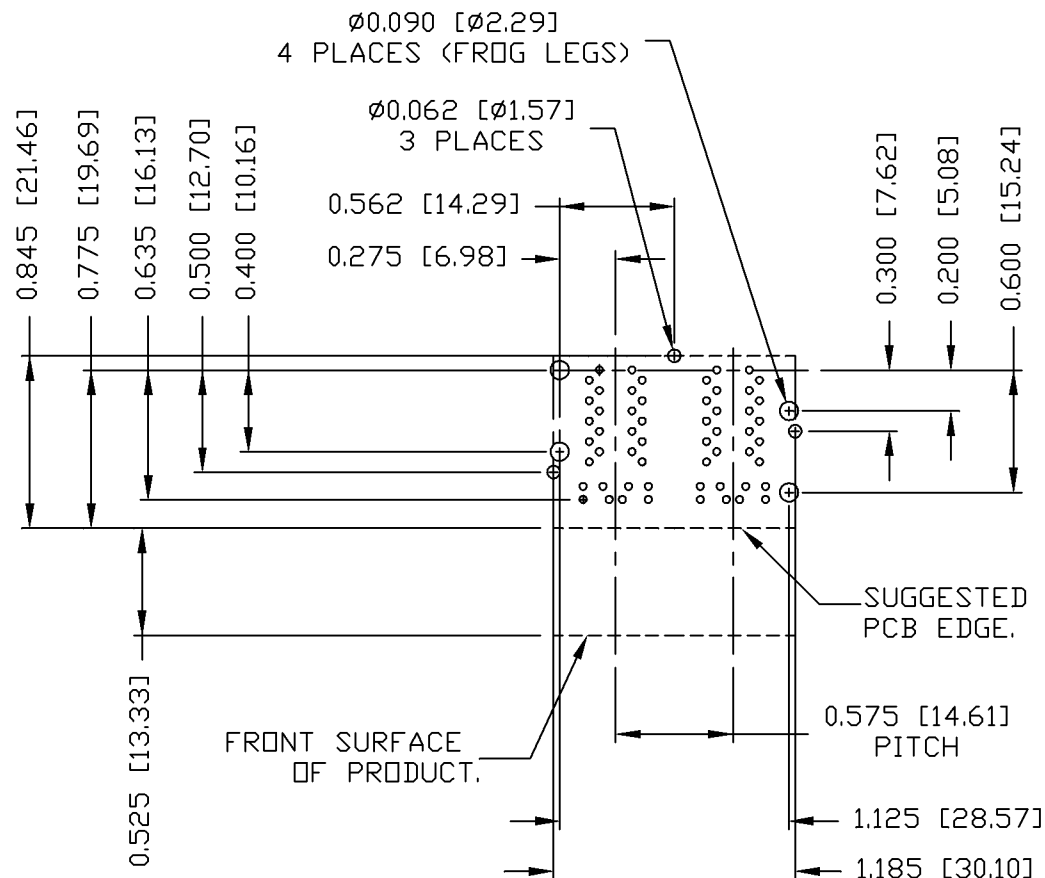
**PORT ASSIGNMENT**  
(COMPONENT SIDE VIEW)



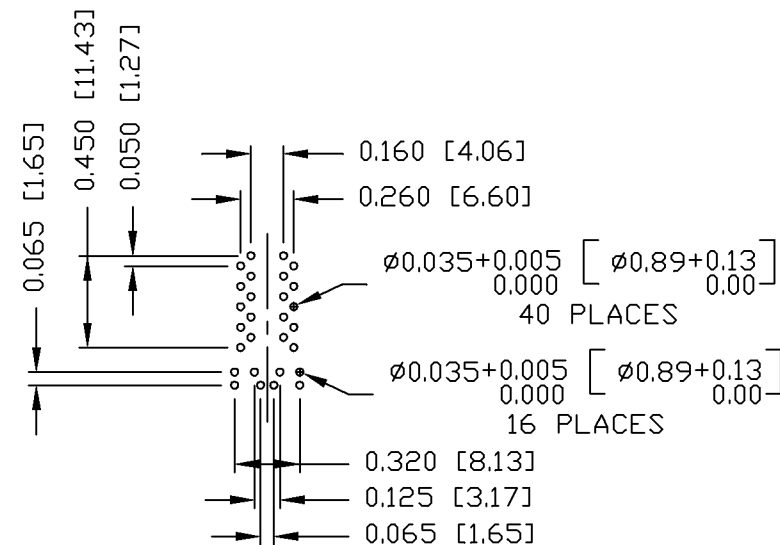
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY HOWFAR WEI	DATE 01-12-09	TITLE 2X2 glgabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2C2R-CG	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : PB
DRAWN BY JOLLY LUO	DATE 01-12-09		FILE NAME C850-2C2R-CG_PB.DWG		SCALE : N/A	SIZE : A4
						PAGE : 4






(COMPONENT SIDE VIEW)



SUGGESTED FOOTPRINT

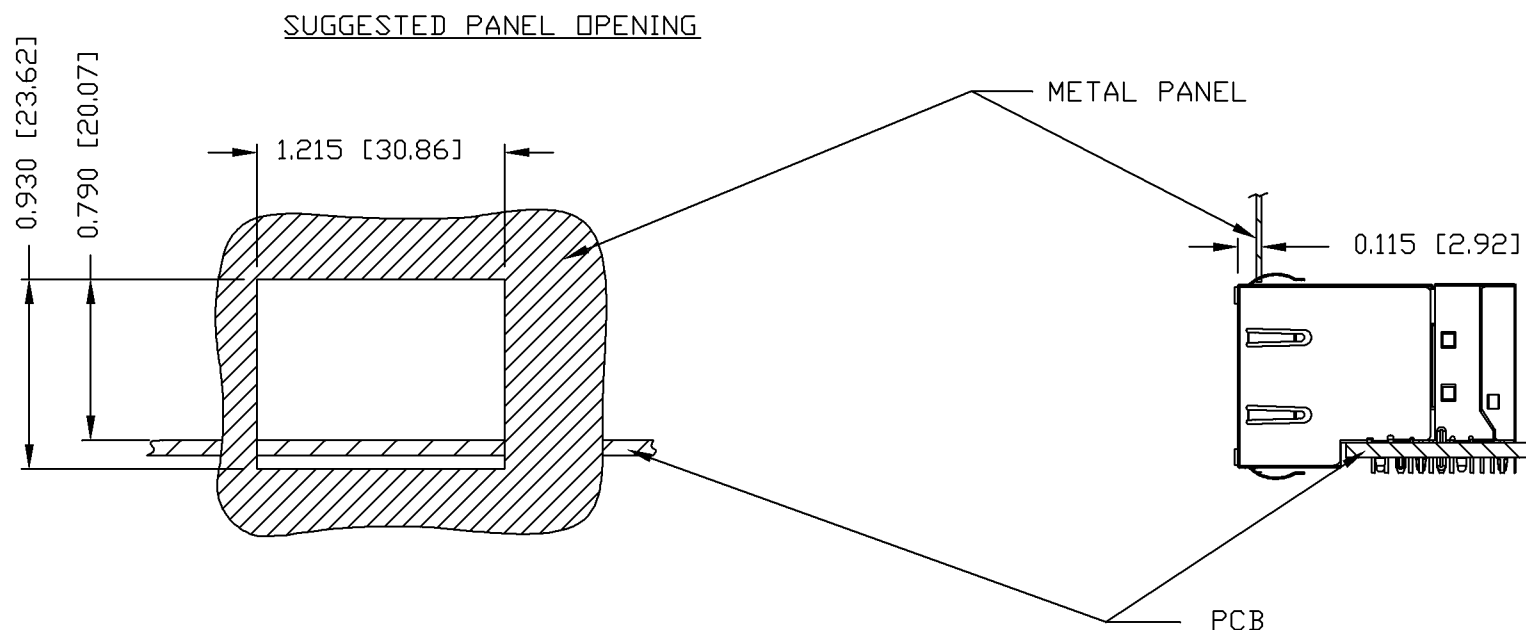
ORIGINATED BY	DATE	TITLE  2X2 gigabit MagJack®  COMPRESSOR SERIES  (8 Cores)	PART NO. / DRAWING NO.  C850-2C2R-CG	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
HOWFAR WEI	01-12-09		FILE NAME  C850-2C2R-CG_PB.DWG	.X		UNIT : INCH [mm]	REV. : PB
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4
				.XXX		±0.004	
JOLLY LUD	01-12-09						

  
COMPONENTS FOR A  
CONNECTED  
PLANET

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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 : 0200M9999-B1 (TOP)




0200M9999-B2 (BOTTOM)

PACKING QUANTITY : 35 PCS FINISHED GOODS PER TRAY.

6 TRAYS (210 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  2X2 gigabit MagJack®  COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[ ] METRIC DIM. AS REFERENCE		 <small>COMPONENTS FOR A CONNECTED PLANET</small>
HOWFAR WEI	01-12-09		C850-2C2R-CG	TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
JOLLY LUO	01-12-09		C850-2C2R-CG_PB.DWG	.XX		⊕ - 	PAGE : 6	
			.XXX	±0.004				

