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

RoHS
2002/95/EC



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) @ 100 OHMS +/-15%

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

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

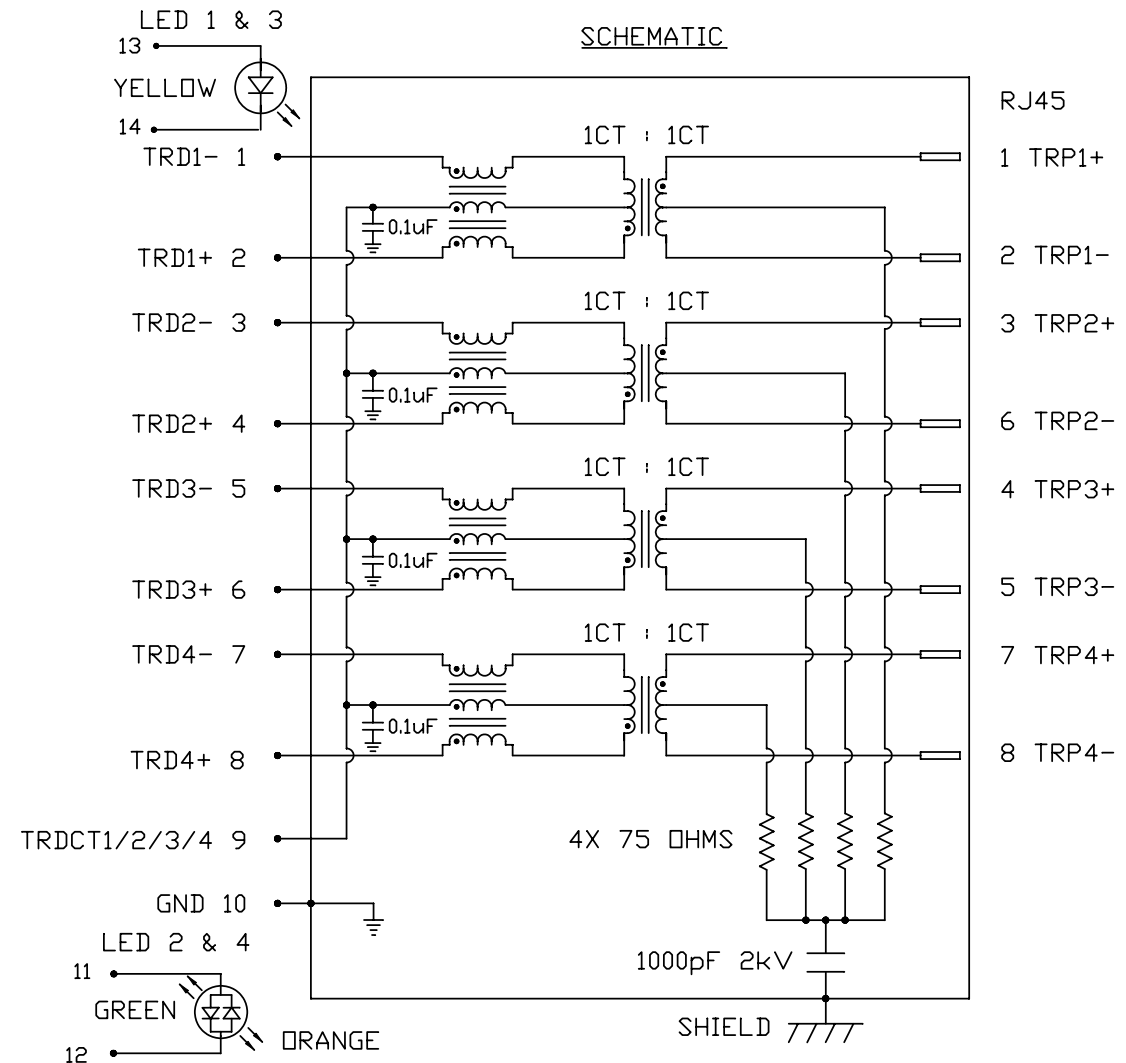
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.




LED 1 & 3

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

LED 2 & 4

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

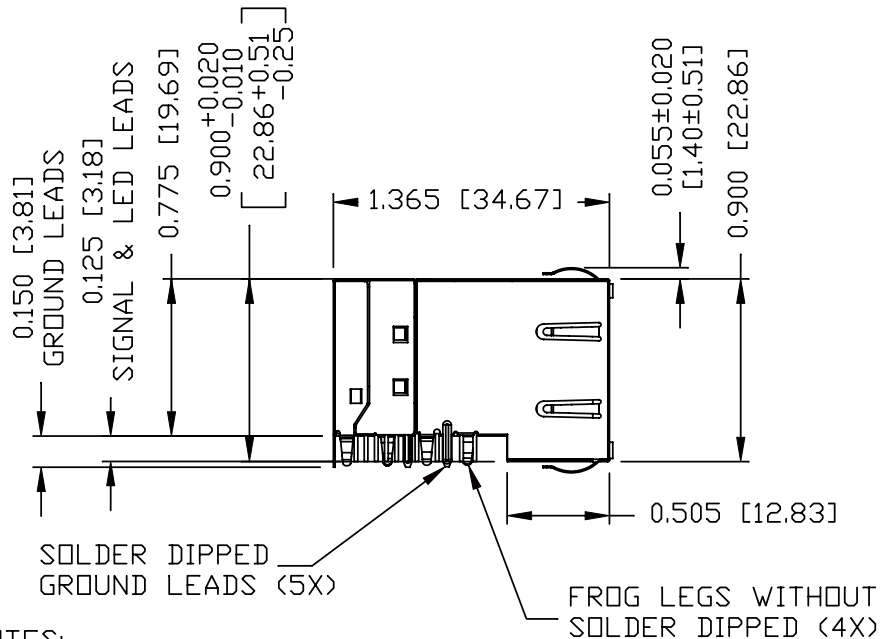


ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO. C850-2X4R-54	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS ARE CONNECTED FLANET
WANCHUNG CHOW	01-13-09		FILE NAME C850-2X4R-54_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4	
WEIDE LEE	01-13-09			.XXX			PAGE : 2	



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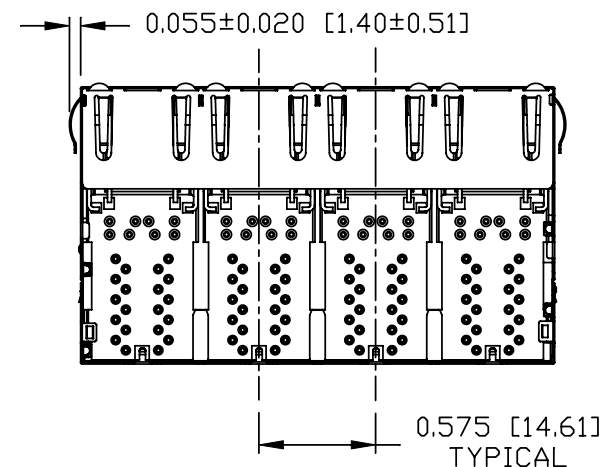
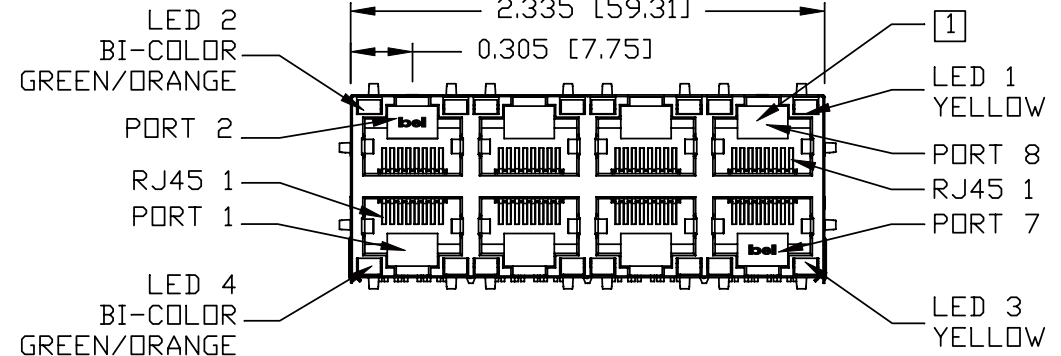
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 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.

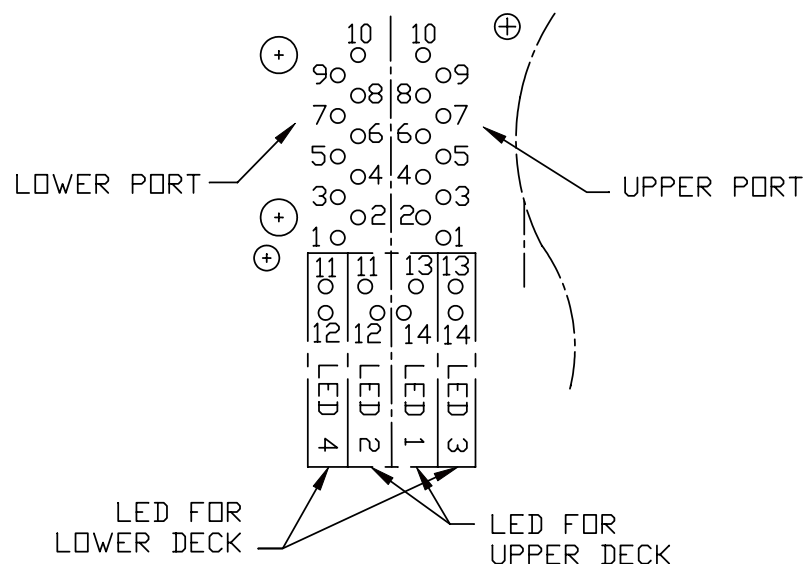
[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

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



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
HOWFAR WEI	01-13-09	2X4 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2X4R-54 FILE NAME C850-2X4R-54_B.DWG	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE			.XX	SCALE : N/A SIZE : A4
JOLLY LUO	01-13-09			.XXX ±0.010	PAGE : 3

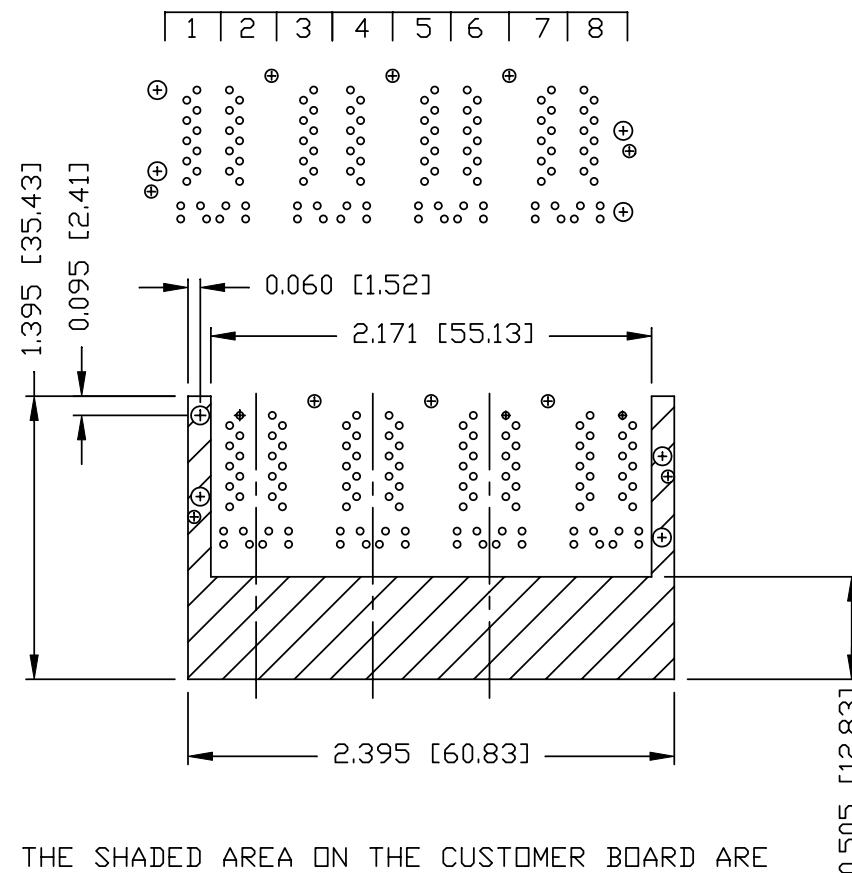




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

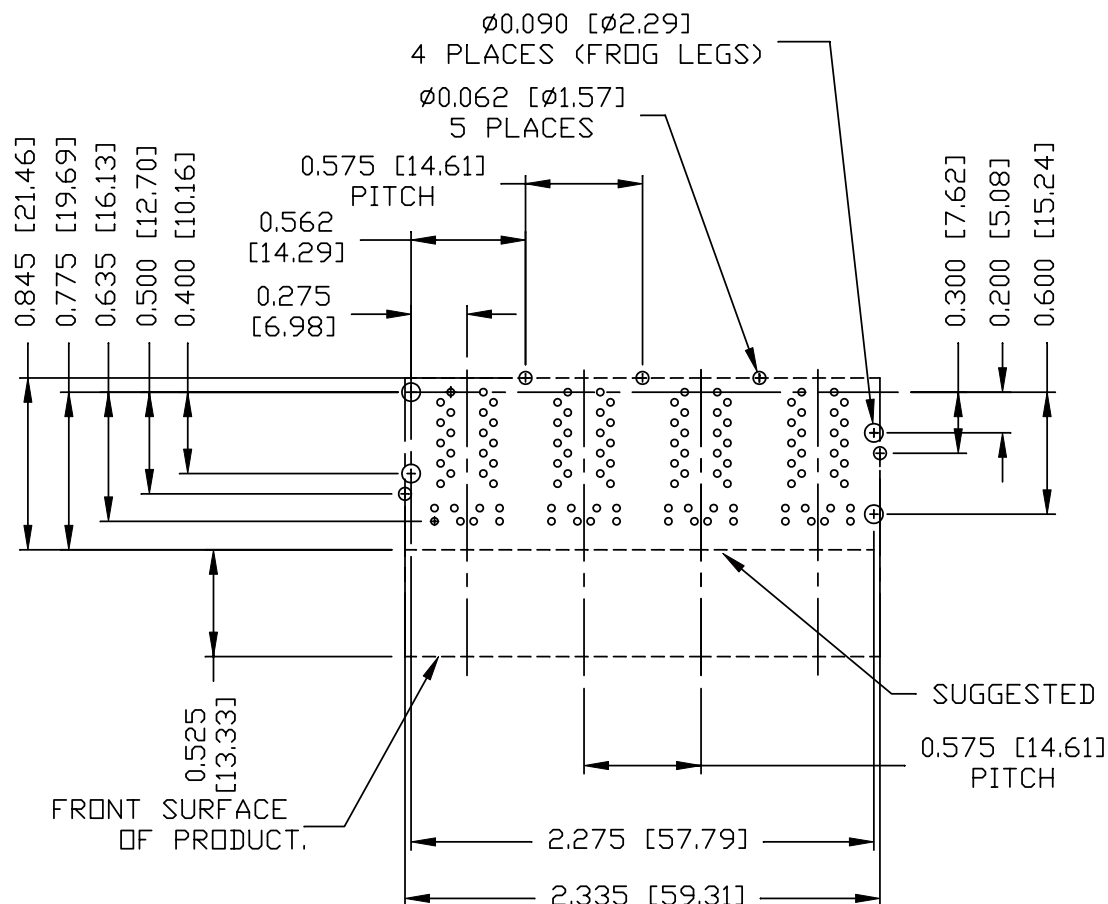
14	YELLOW (-)
13	YELLOW (+)
12	ORANGE (+)/GREEN (-)
11	ORANGE (-)/GREEN (+)
10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

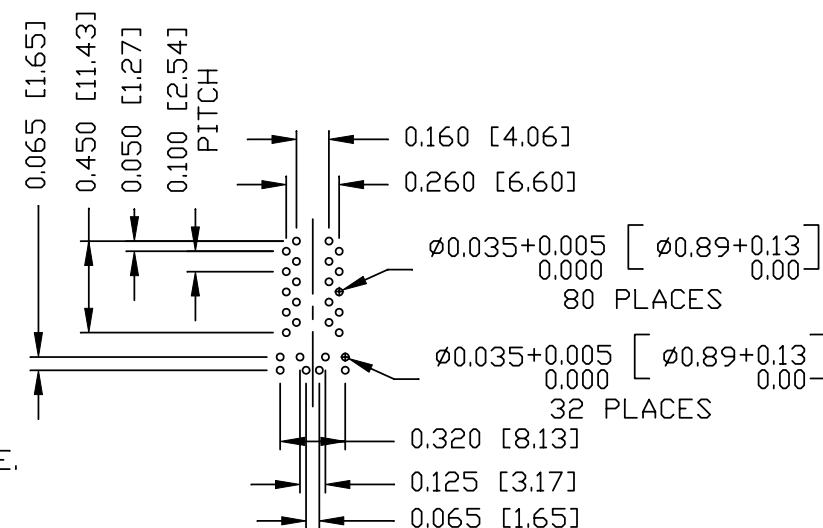


THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
HOWFAR WEI	01-13-09	2X4 gigabit MagJack®	C850-2X4R-54	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	COMPRESSOR SERIES	FILE NAME	.X	SCALE : N/A SIZE : A4
JOLLY LUD	01-13-09	(8 Cores)	C850-2X4R-54_B.DWG	.XX	PAGE : 4
				.XXX	



(COMPONENT SIDE VIEW)

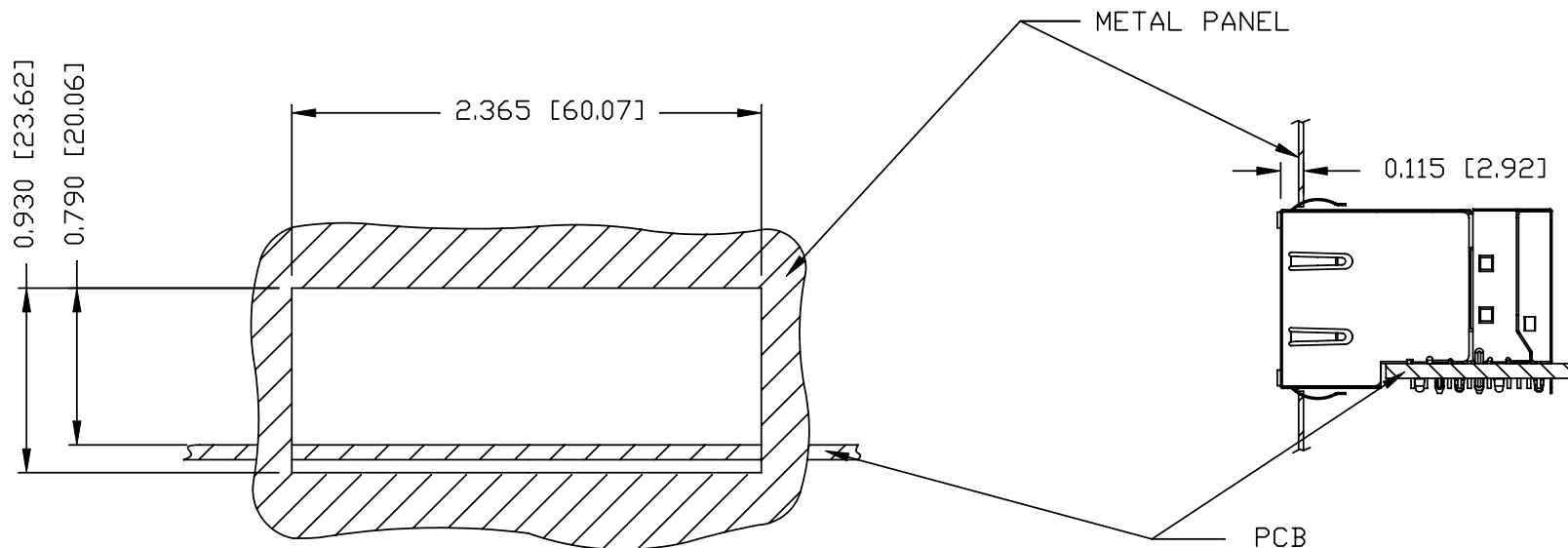


SUGGESTED FOOTPRINT

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
						UNIT : INCH [mm]	REV. : B
HOWFAR WEI	01-13-09	2X4 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C850-2X4R-54	.X .XX .XXX	/	SCALE : N/A	SIZE : A4
DRAWN BY	DATE					PAGE : 5	
JOLLY LUO	01-13-09						



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-L1 (TOP)



0200-9999-L2 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY.

6 TRAYS (120 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 2X4 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A FLAT EARTH
HOWFAR WEI	01-13-09		C850-2X4R-54	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
JOLLY LUO	01-13-09		C850-2X4R-54_B.DWG	.XX		PAGE : 6		
			.XXX	±0.004				

