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LED2 & LED4 POLARITY			LED1 & LED3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	GREEN	+	-	GREEN
-	+	ORANGE	-	+	ORANGE

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
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CM TO DM REJ

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

1500 Vrms

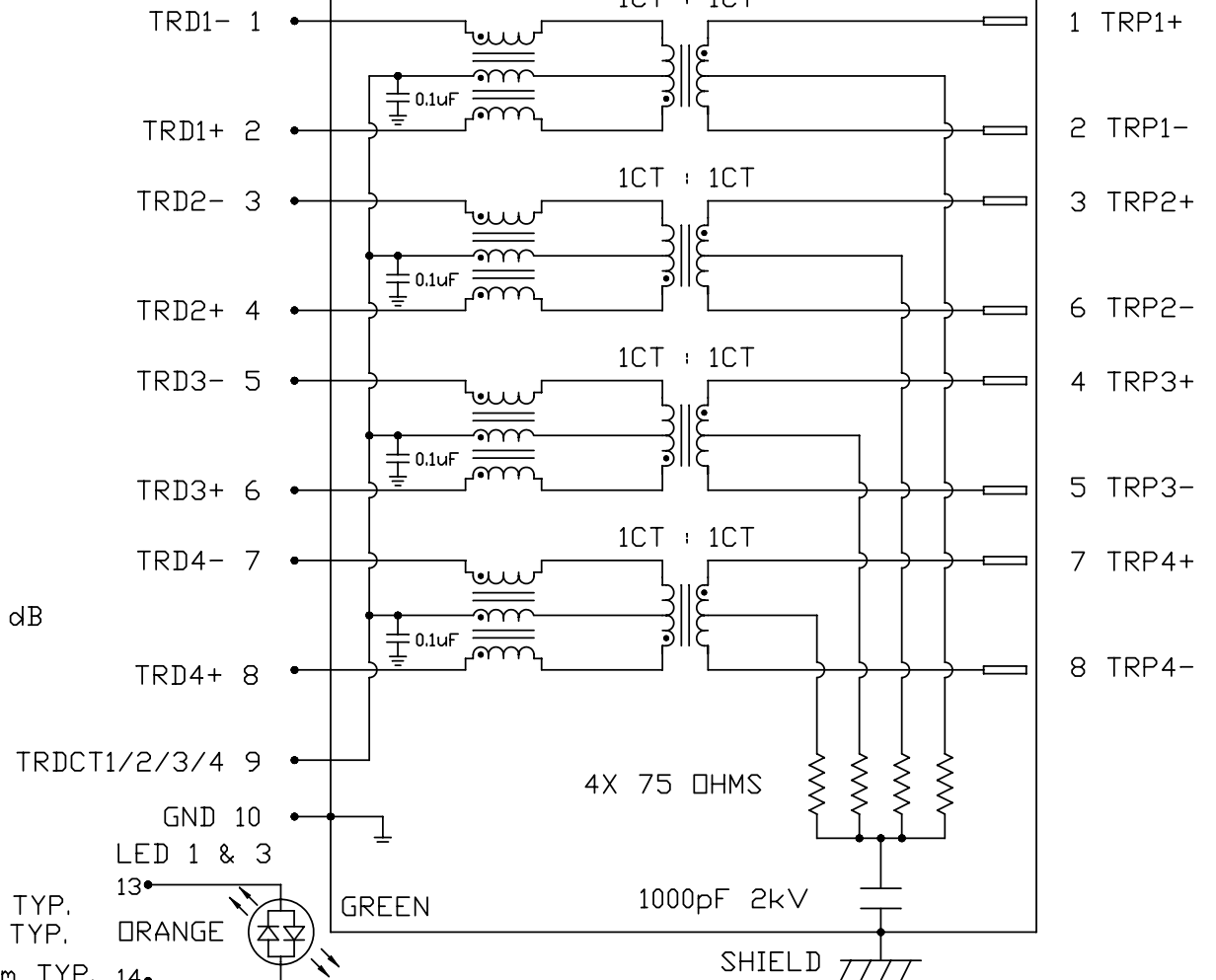
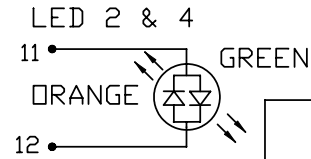
100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 & 2 & 3 & 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.



RJ45

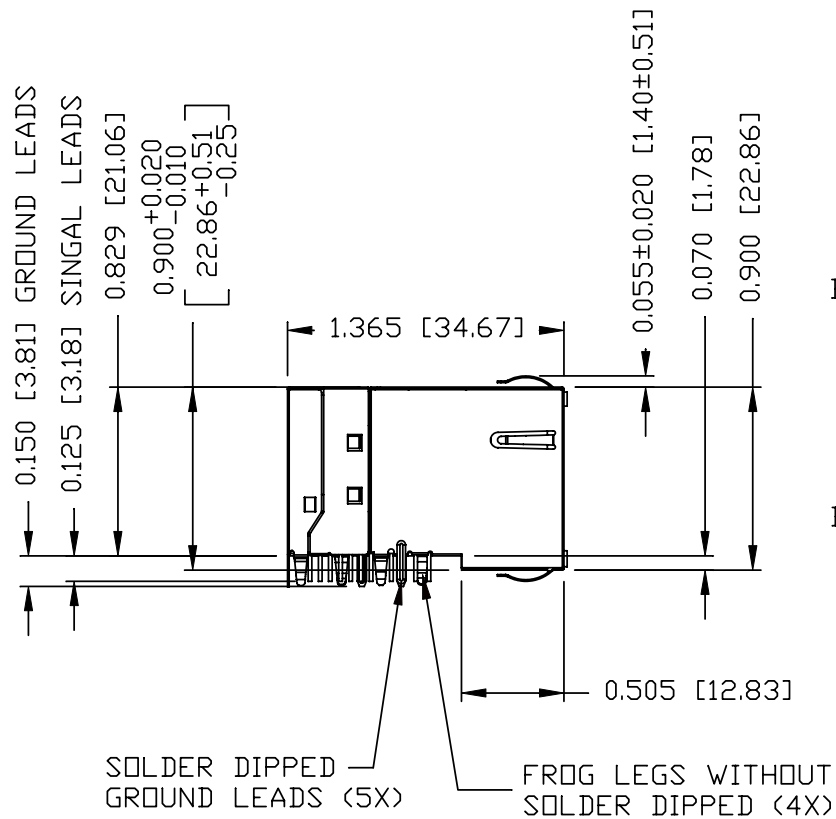
- 1 TRP1+
- 2 TRP1-
- 3 TRP2+
- 6 TRP2-
- 4 TRP3+
- 5 TRP3-
- 7 TRP4+
- 8 TRP4-

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	01-13-09	2X4 glgabit MagJack®	C855-2B4R-54	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	COMPRESSOR SERIES	FILE NAME	.X	SCALE : N/A SIZE : A4
WEIDE LEE	01-13-09	(8 Cores)	C855-2B4R-54_B.DWG	.XX	⊕ --- PAGE : 2
				.XXX	



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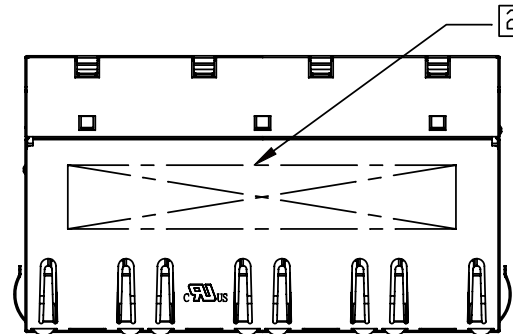
RoHS
 2002/95/EC



LED 2
 BI-COLOR
 ORANGE
 GREEN

PORT 2
 RJ45 1
 LED 4
 BI-COLOR
 ORANGE
 GREEN

PORT 1



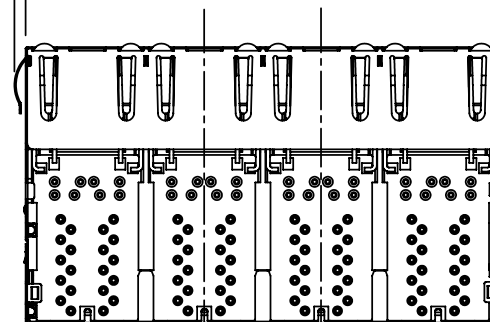
LED 1
 BI-COLOR
 ORANGE
 GREEN

PORT 8
 RJ45 1

LED 3
 BI-COLOR
 ORANGE
 GREEN

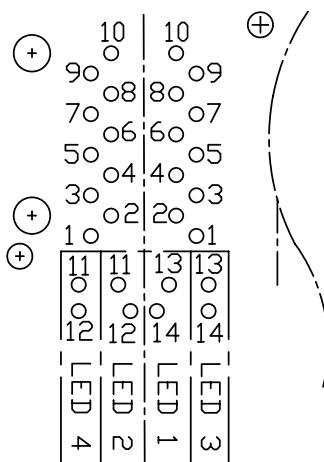
PORT 7

$0.055 \pm 0.020 [1.40 \pm 0.51]$



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
HOWFAR WEI	01-13-09	2X4 glgabit MagJack® COMPRESSOR SERIES (8 Cores)	C855-2B4R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 3
JOLLY LUO	01-13-09			.XXX	± 0.010		





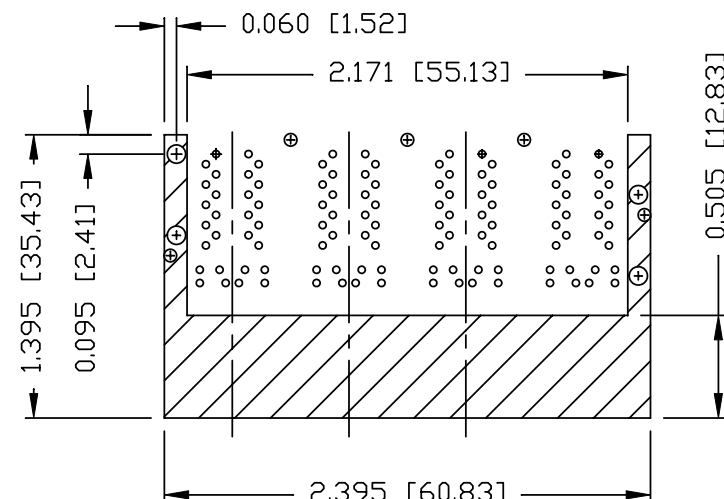
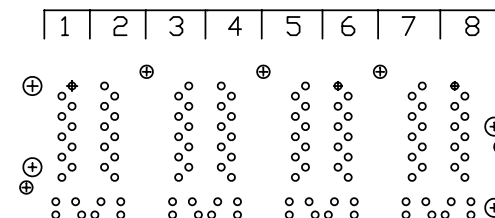
LED FOR
LOWER DECK

LED FOR
UPPER DECK

PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

14	GREEN(-) ORANGE(+)
13	GREEN(+) ORANGE(-)
12	GREEN(-) ORANGE(+)
11	GREEN(+) ORANGE(-)
10	GND
9	TRCT1/2/3/4
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)



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)
FRDG LEGS ARE FOR PCB RETENTION FORCE ONLY
AND NOT FOR GROUNDING PURPOSE

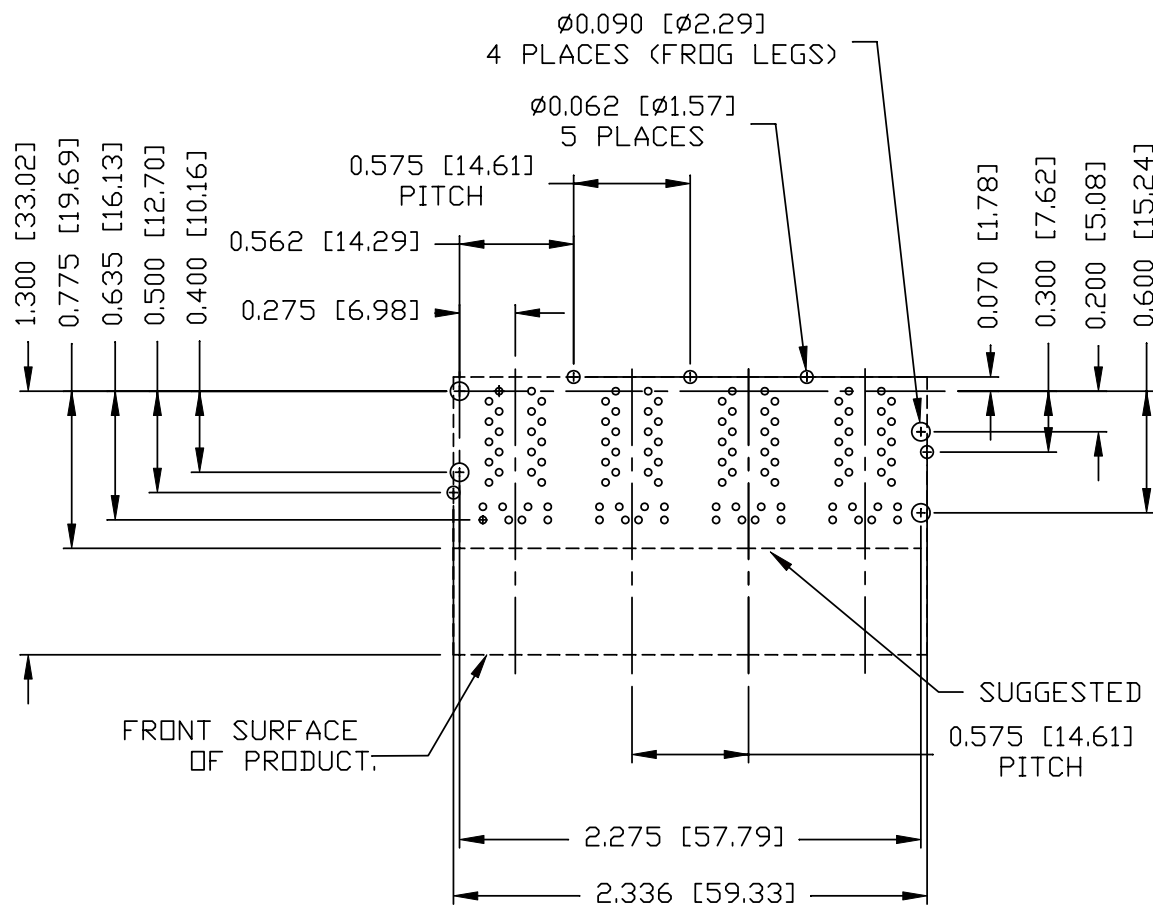
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

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

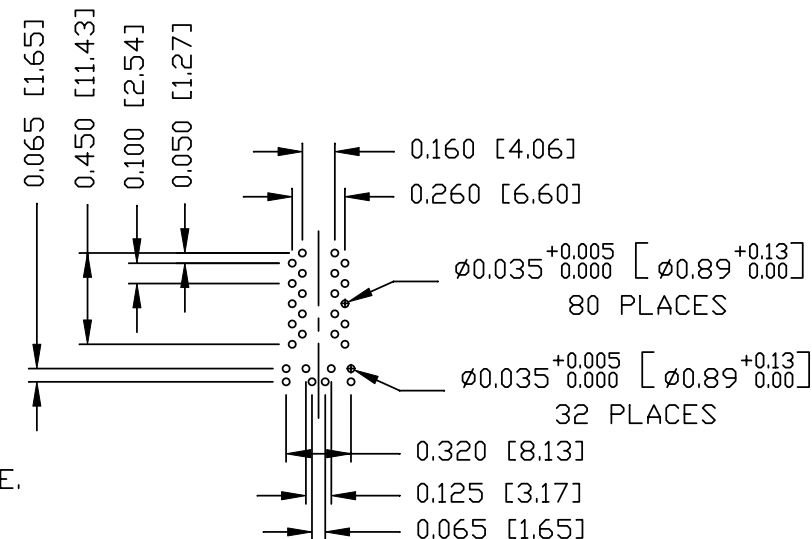
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
HOWFAR WEI	01-13-09	2X4 glgabit MagJack®	C855-2B4R-54	.X	UNIT : INCH [mm]
DRAWN BY	DATE	COMPRESSOR SERIES	FILE NAME	.XX	SCALE : N/A
JOLLY LUO	01-13-09	(8 Cores)	C855-2B4R-54_B.DWG	.XXX	±0.004
					REV. : B
					SIZE : A4
					PAGE : 4





(COMPONENT SIDE VIEW)



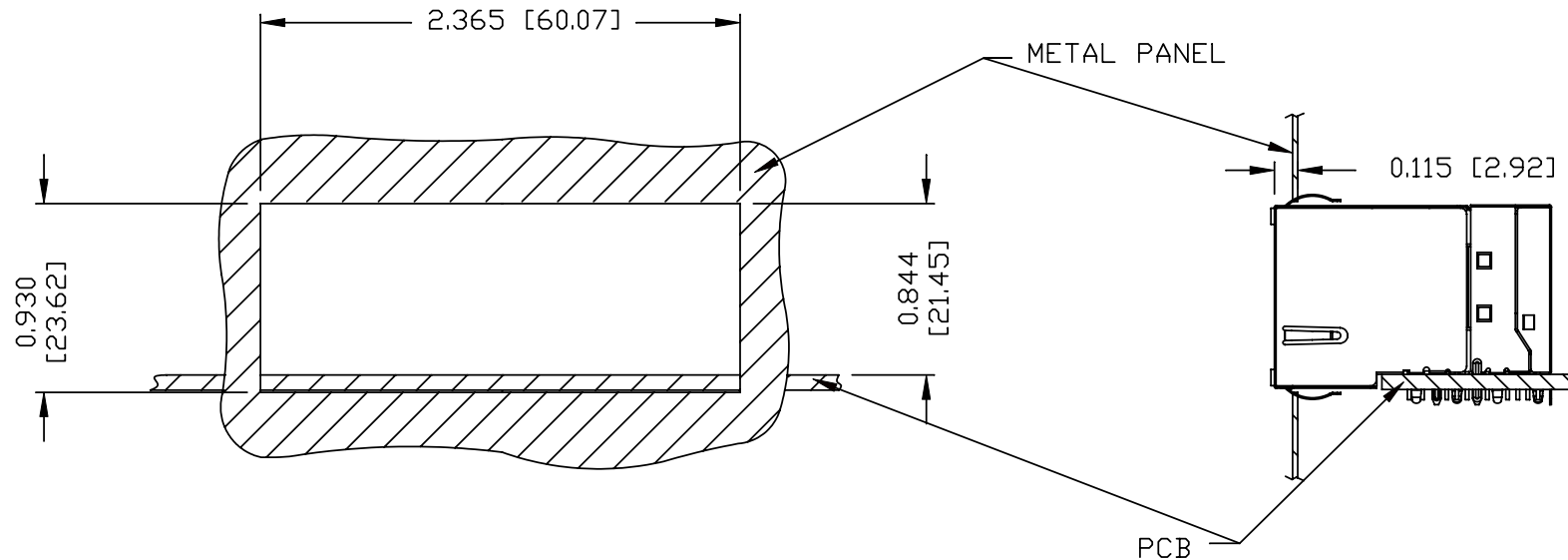
SUGGESTED FOOTPRINT

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
HOWFAR WEI	01-13-09	2X4 gigabit MagJack® COMPRESSOR SERIES (8 Cores)	C855-2B4R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
JOLLY LUD	01-13-09		C855-2B4R-54_B.DWG	.XXX	±0.004		

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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	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
HOWFAR WEI	01-13-09	2X4 glgabit MagJack® COMPRESSOR SERIES (8 Cores)	C855-2B4R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
JOLLY LUO	01-13-09			.XXX	±0.004		

