

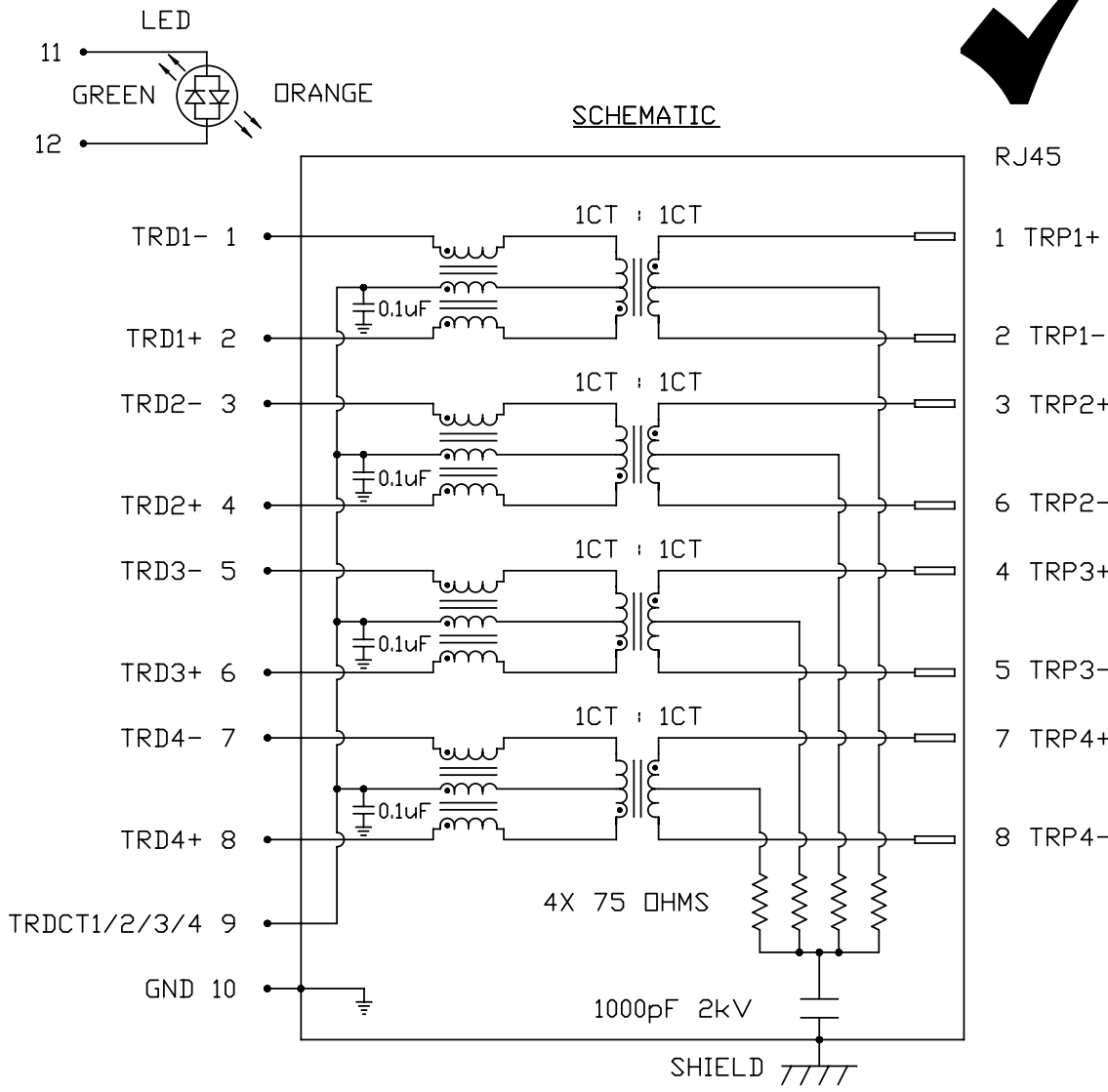
THE INFORMATION CONTAINED HEREIN IS CONSIDERED PROPRIETARY TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

LED POLARITY		
PIN 11	PIN 12	COLOR
-	+	GREEN
+	-	ORANGE



ELECTRICAL CHARACTERISTICS @ 25°C

TURNS 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
CM TO DM REJ	
100kHz - 100MHz	-35 dB MIN
HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC	
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	
LED	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP. ORANGE 2.0V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA	GREEN 565nm TYP. ORANGE 610nm TYP.



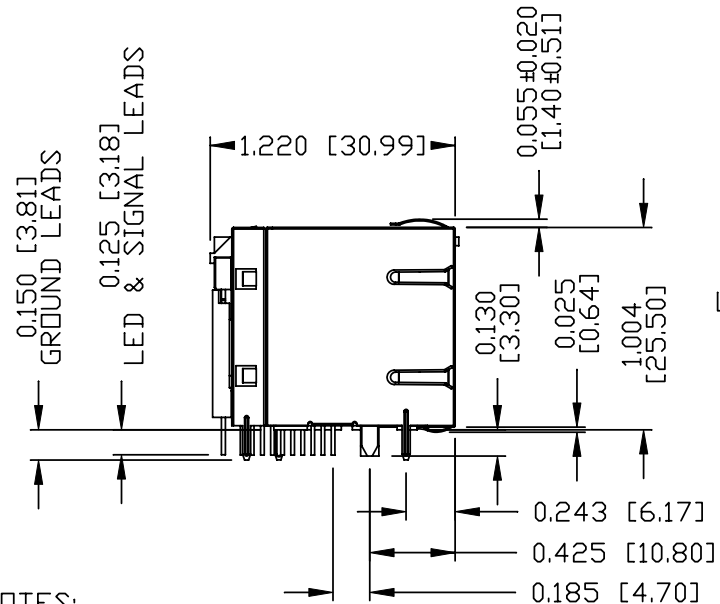
ORIGINATED BY HOW WANCHUNG	DATE 2012-08-22	TITLE 2X8 gigabit MagJack® (8 Cores, with LED) 0863-2X8R-54-F PATENTED	PART NO. / DRAWING NO. 08632X8R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY AN QIGUANG	DATE 2012-08-22		FILE NAME 08632X8R54-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX			PAGE : 2



This document is electronically generated. This is a controlled copy if used internally

Please read our datasheet & drawing disclaimer [here](#).

THE INFORMATION CONTAINED HEREIN IS CONSIDERED PROPRIETARY TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



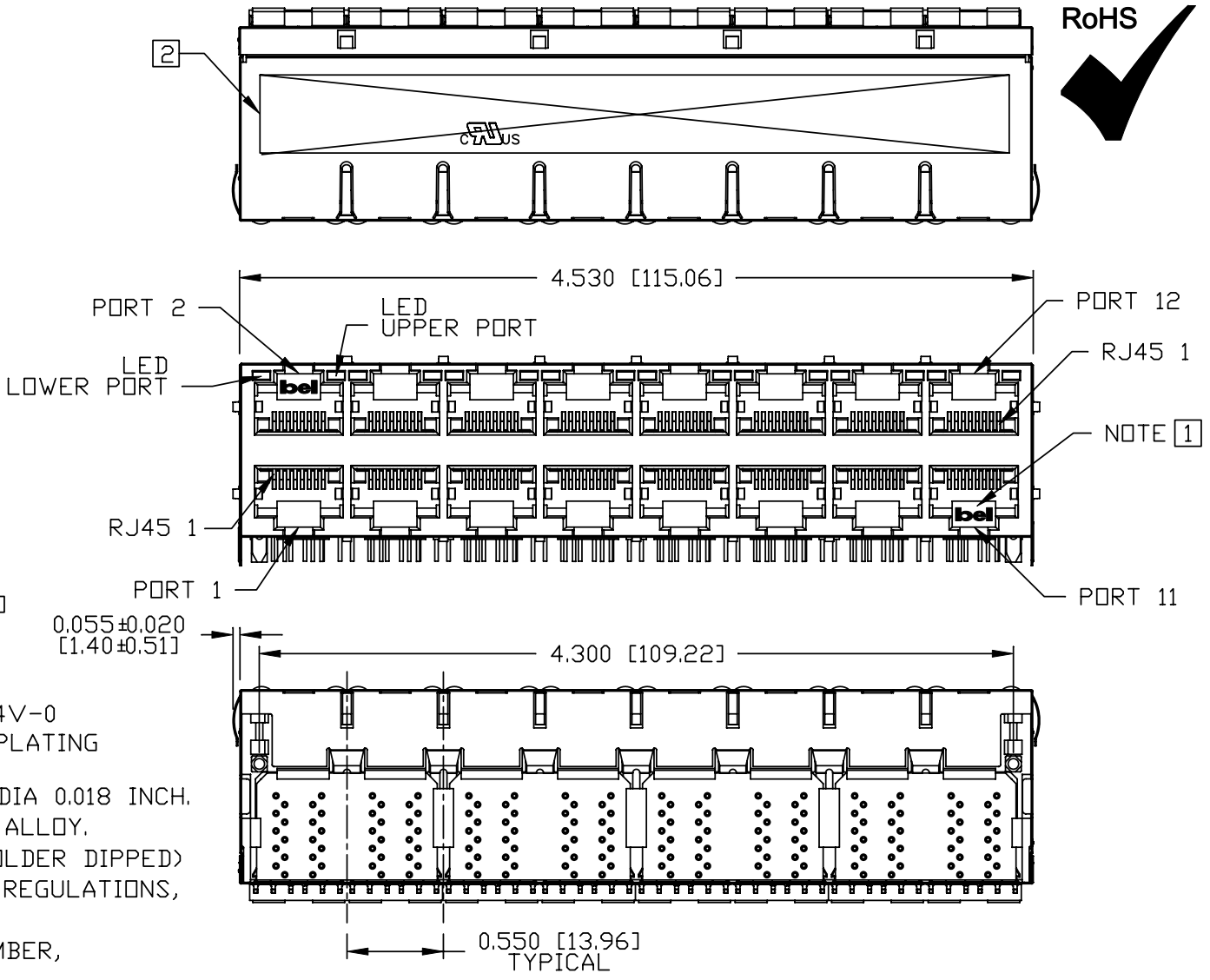
NOTES:

- 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, NAME, PART NUMBER, DATE CODE AND PATENTED.

c UL RECOGNIZED - FILE #E196366 AND E169987.

3. THE PRODUCT IS RoHS COMPLIANT.



4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE
U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY		TITLE	PART NO. / DRAWING NO.		STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DATE	DATE		FILE NAME	FILE NAME		UNIT : INCH [mm]	REV. : B
ANTON LIAO	2012-08-22	2X8 gigabit MagJack® (8 Cores, with LED) 0863-2X8R-54-F PATENTED	08632X8R54-F	08632X8R54-F_B.DWG	.X	SCALE : N/A	SIZE : A4
DRAWN BY	DATE				.XX		PAGE : 3
HE ZHEN	2012-08-22				.XXX		

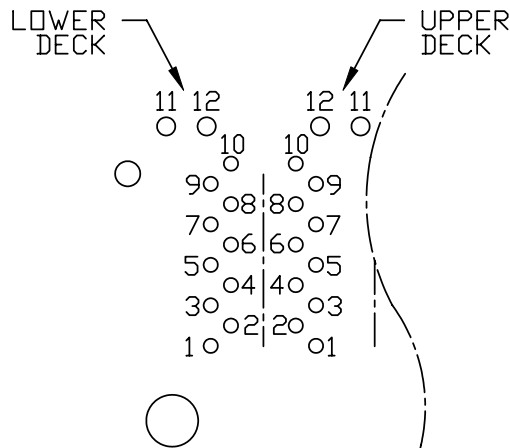
002(2)081111

This document is electronically generated. This is a controlled copy if used internally



THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

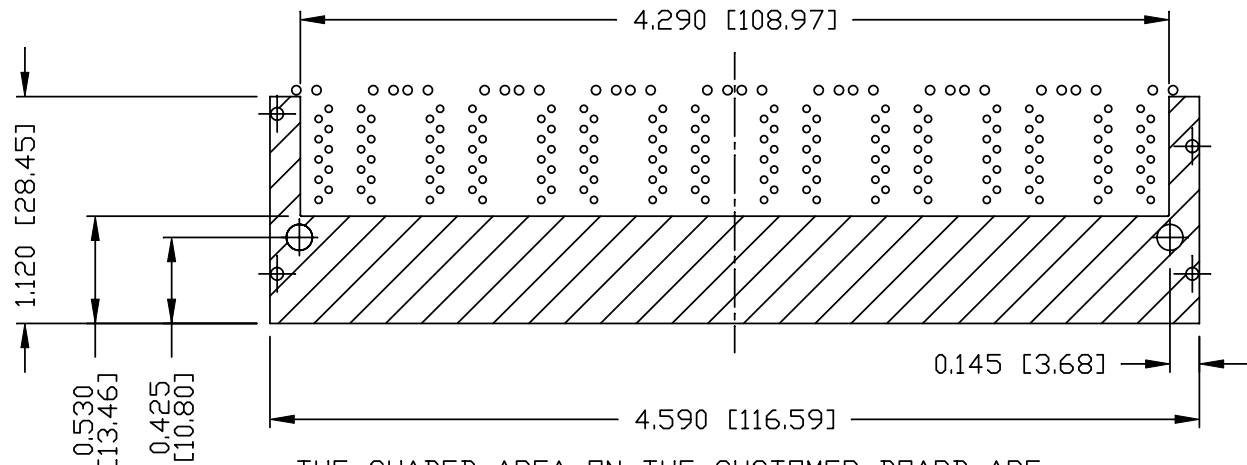
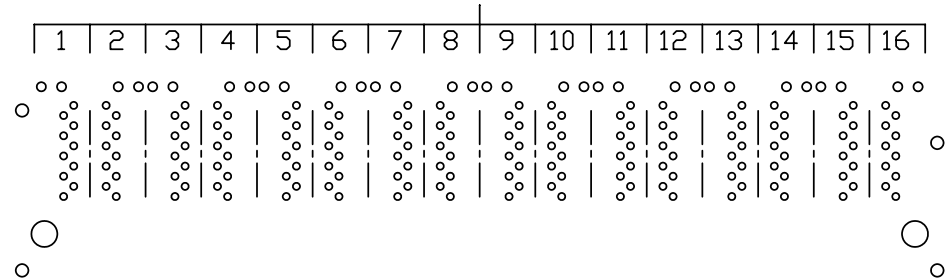
RoHS



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	GRN (+)/ORG (-)
11	GRN (-)/ORG (+)
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)



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	
					UNIT : INCH [mm]	REV. : B
ANTON LIAO	2012-08-22	2X8 gigabit MagJack® (8 Cores, with LED) 0863-2X8R-54-F PATENTED	08632X8R54-F FILE NAME 08632X8R54-F_B.DWG	.X	SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX		PAGE : 4
HE ZHEN	2012-08-22			.XXX	±0.004	



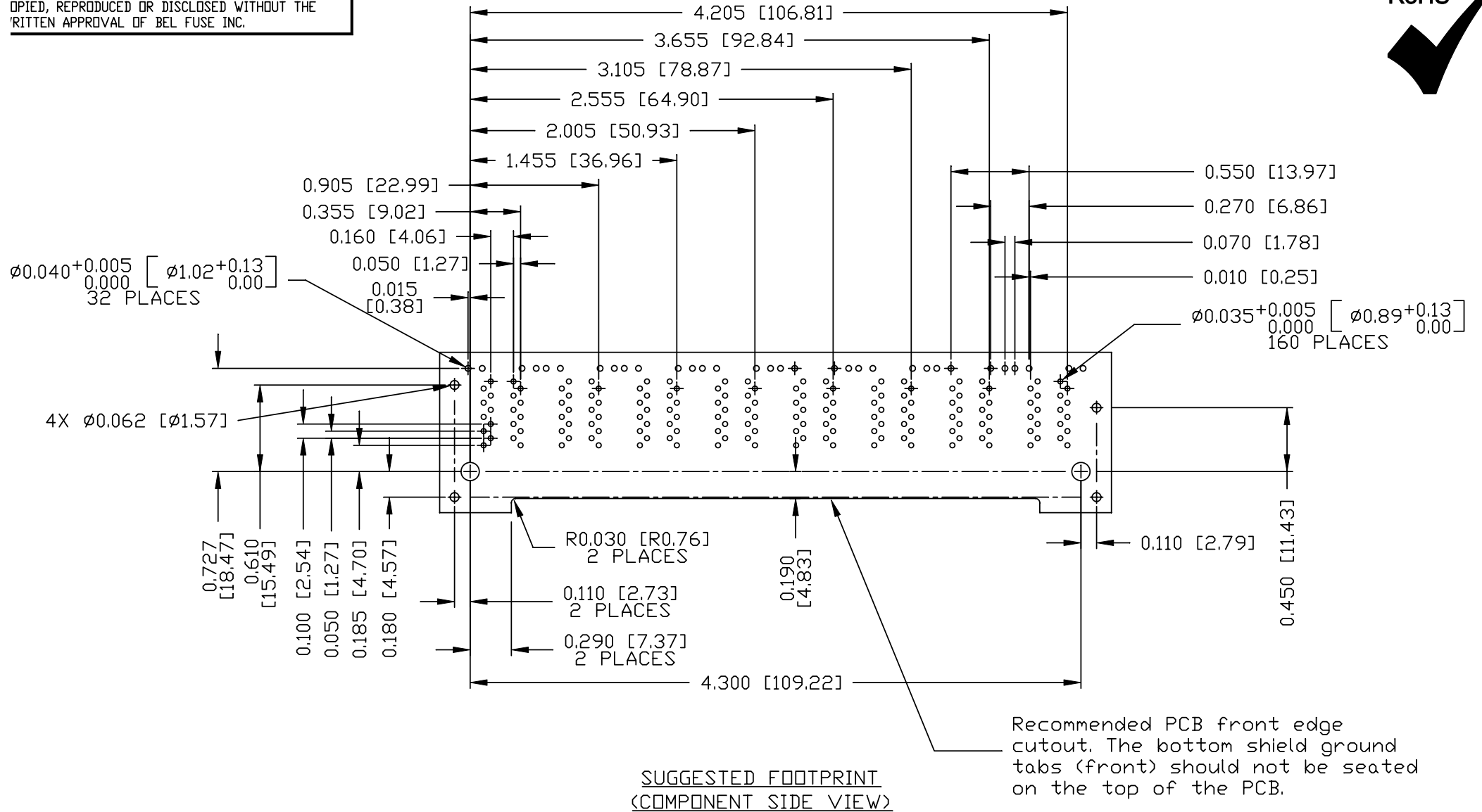
002(2)081111

This document is electronically generated. This is a controlled copy if used internally

Please read our datasheet & drawing disclaimer [here](#).

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



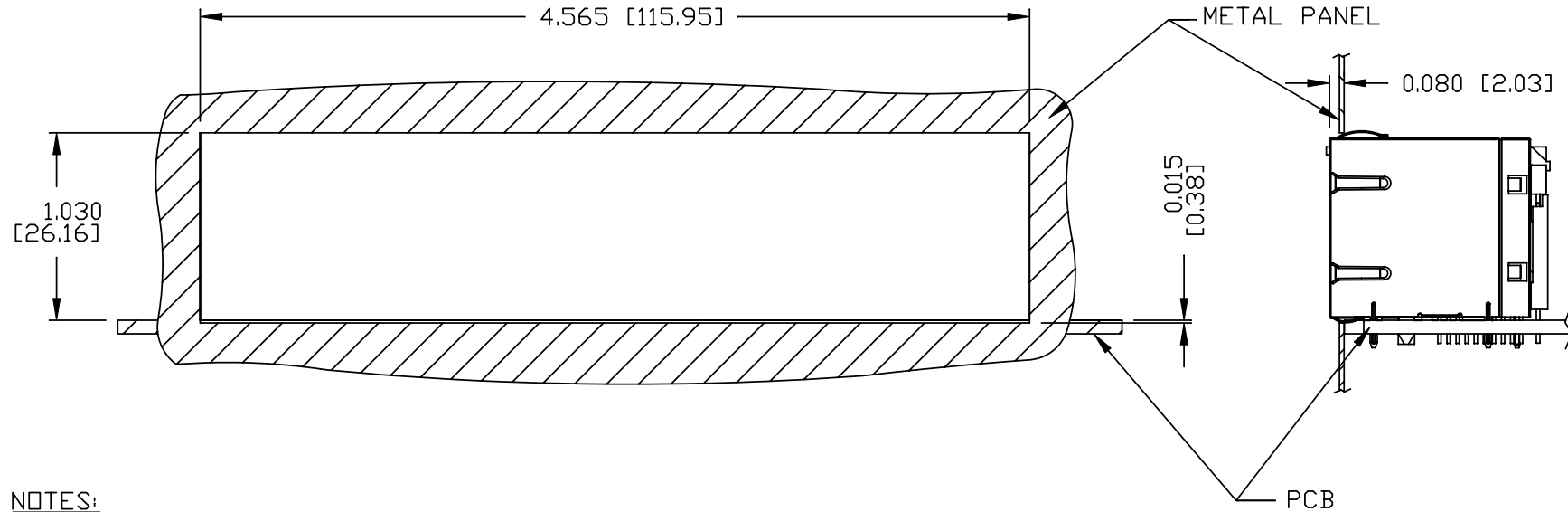
ORIGINATED BY	DATE	TITLE 2X8 gigabit MagJack® (8 Cores, with LED) 0863-2X8R-54-F PATENTED	PART NO. / DRAWING NO. 08632X8R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
ANTON LIAO	2012-08-22		FILE NAME 08632X8R54-F_B.DWG	.X		UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE			.XX		SCALE : N/A	SIZE : A4
HE ZHEN	2012-08-22			.XXX		±0.004	PAGE : 5
002(2)081111			This document is electronically generated. This is a controlled copy if used internally				


COMPONENTS FOR A
CONNECTED
PLANET





SUGGESTED PANEL OPENING



NOTES:

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-B2 (TOP)
0200-9999-B3 (BOTTOM)

PACKING QUANTITY : 10 PCS FINISHED GOODS PER TRAY
7 TRAYS (70 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. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-08-22	2X8 gigabit MagJack® (8 Cores, with LED)	08632X8R54-F	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	0863-2X8R-54-F	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-08-22	PATENTED	08632X8R54-F_B.DWG	.XXX ±0.004	⊕ - - - - PAGE : 6

