

INTEGRATED CONNECTOR MODULES

0853-2X4R-66 Power over Ethernet MagJack® 2 x 4

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS

8mA DC BIAS	350 H 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

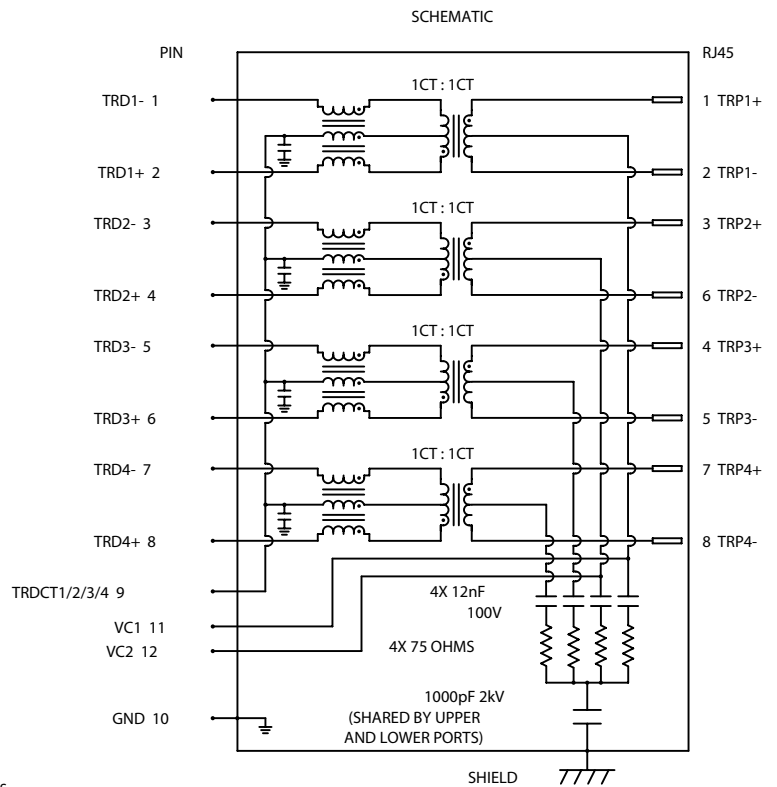
100kHz - 100MHz	-35 dB MIN
-----------------	------------

HIPOT (Isolation Voltage):

100% OF PRODUCT TESTED IN PRODUCTION	2250 VDC
--------------------------------------	----------

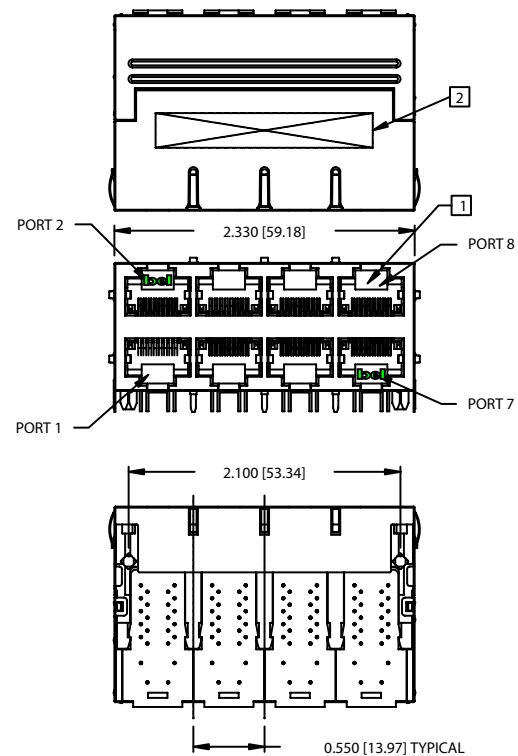
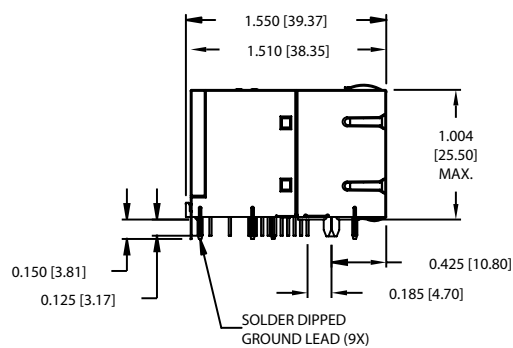
BALANCED DC LINE CURRENT

350 mA MAX. @ 57 VDC CONTINUOUS
500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS



INTEGRATED CONNECTOR MODULES

0853-2X4R-66 Power over Ethernet MagJack® 2 x 4



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.
- SOLDERABILITY: PER MIL STD. 202, METHOD 208.
- METAL SHIELD: NICKEL PLATED 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 AND DATE CODE.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

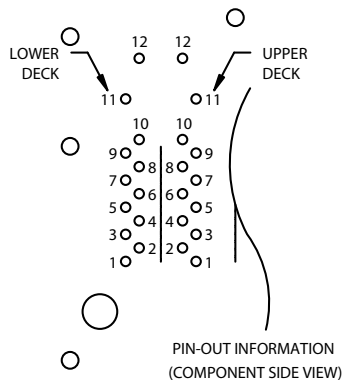
MagJack®

©2004 Bel Fuse Inc. Specifications subject to change without notice. 12.04

Bel Fuse Inc. 206 Van Vorst Street, Jersey City, NJ 07302 • Tel 201-432-0463 • Fax 201-432-9542 • www.belfuse.com

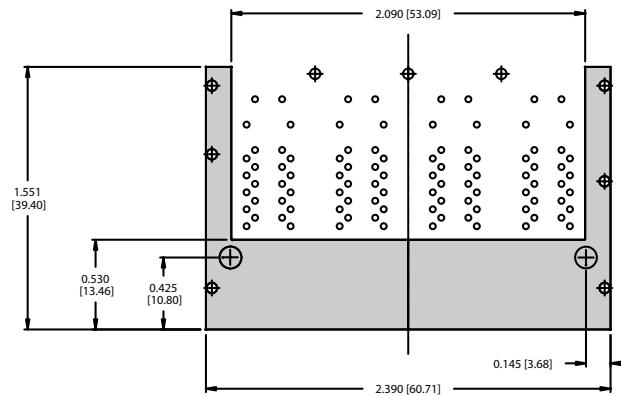
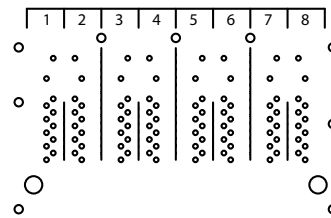
INTEGRATED CONNECTOR MODULES

0853-2X4R-66 Power over Ethernet MagJack® 2 x 4



12	VC2
11	VC1
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-

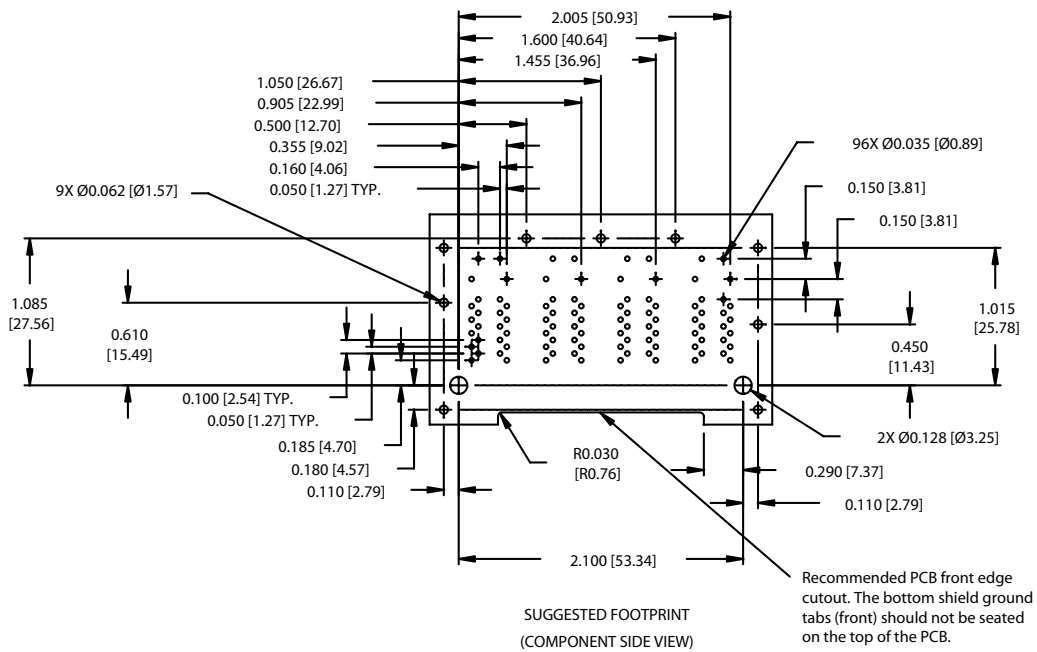
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



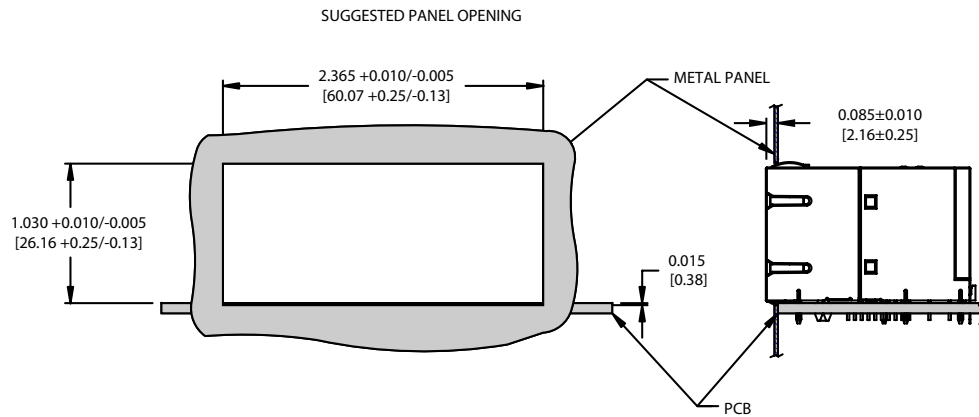
NOTES:
THE SHADED AREA OF BOTTOM SIDE OF PART
MAY BE COVERED BY METAL SHIELD.

INTEGRATED CONNECTOR MODULES

0853-2X4R-66 Power over Ethernet MagJack® 2 x 4



INTEGRATED CONNECTOR MODULES
0853-2X4R-66 Power over Ethernet MagJack® 2 x 4



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.