



POWER | PROTECT | CONNECT

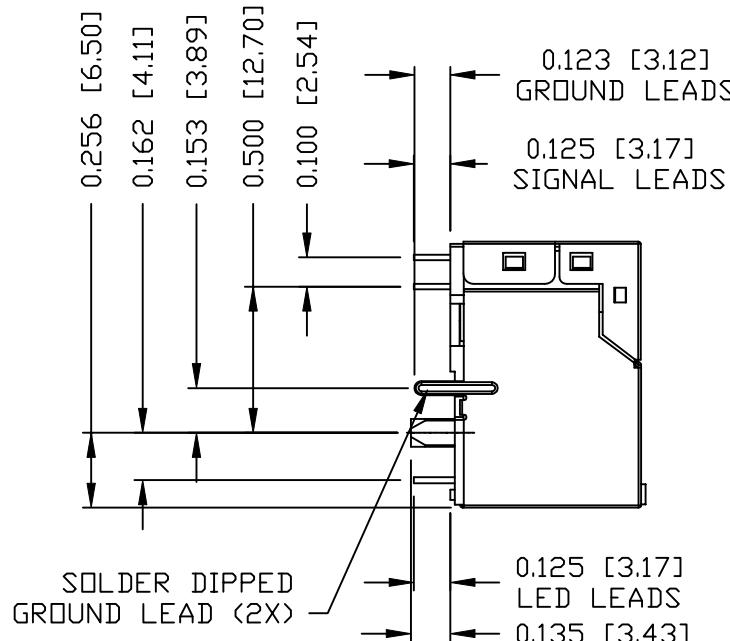
RoHS

DOCUMENT / PART NO.: V890-1AX1-A1

TITLE : PRODUCT SPECIFICATION

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



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

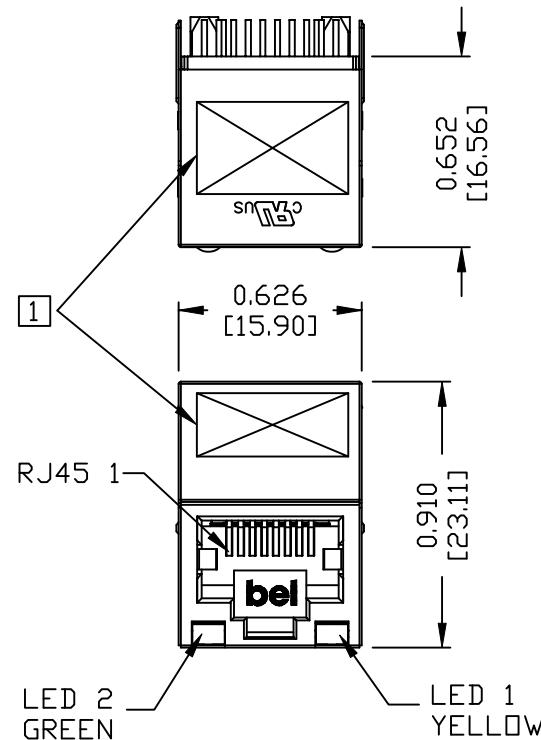
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

① MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.

MECHANICAL SPECIFICATION



2. THE PRODUCT IS RoHS COMPLIANT.
cUL RECognized - FILE #E196366 AND E169987.
3. THE PRODUCT IS PATENT PRODUCT, THE PATENT NUMBER IS
U.S. PAT. 6,840,817.
4. THE PRODUCT IS RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX. AND 10 SECONDS MAX..

ORIGINATED BY
TONY YUAN
DATE 2025-09-15

DRAWN BY
JARRY YE
DATE 2025-09-15

TITLE

gigabit MagJack®
(8 core, Vertical)
PATENTED

PART NO. / DRAWING NO.

V890-1AX1-A1

FILE NAME

V890-1AX1-A1_G.DWG

STANDARD DIM.
TOL. IN INCH

[] METRIC DIM.
AS REF.

.X

.XX

.XXX

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. :

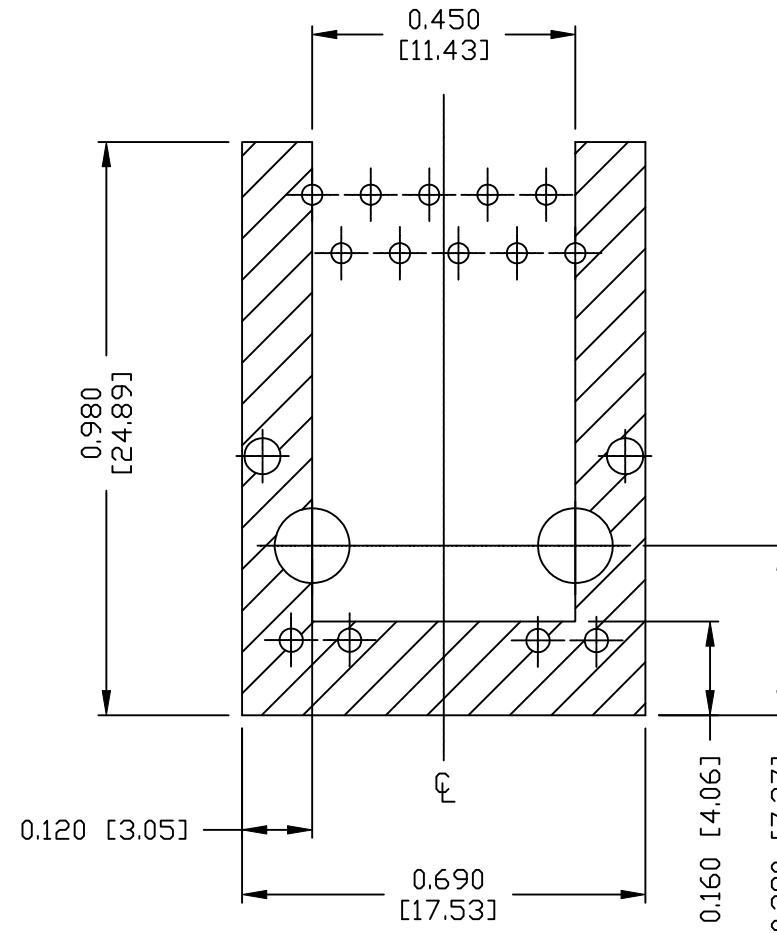
G

PAGE : 3



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NOTES

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

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STANDARD DIM.

TOL. IN INCH

[] METRIC DIM.

AS REF.

.X

.XX

.XXX

UNIT : INCH [mm]

SCALE : N/A

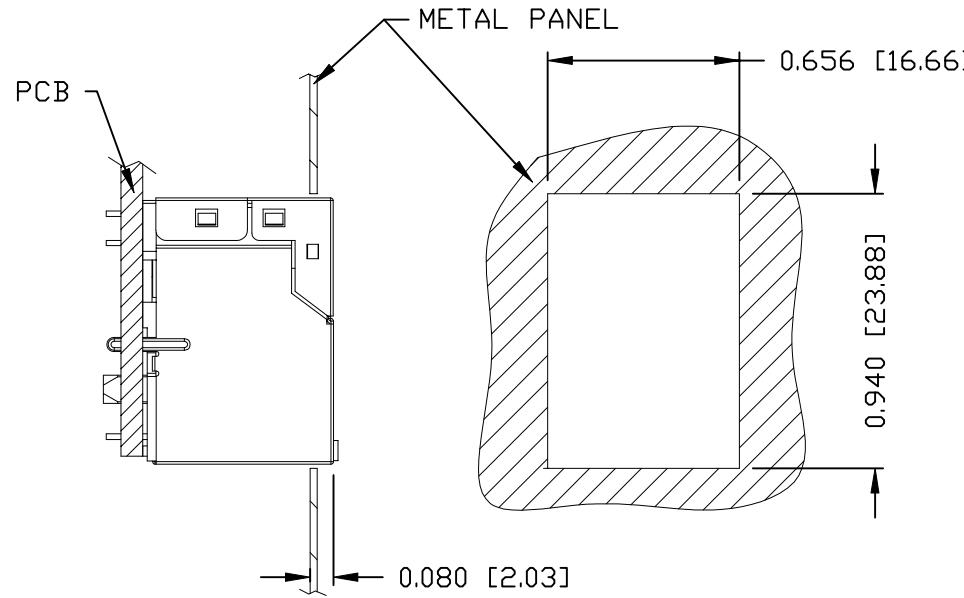
SIZE : A4



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REV. : G PAGE : 4

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

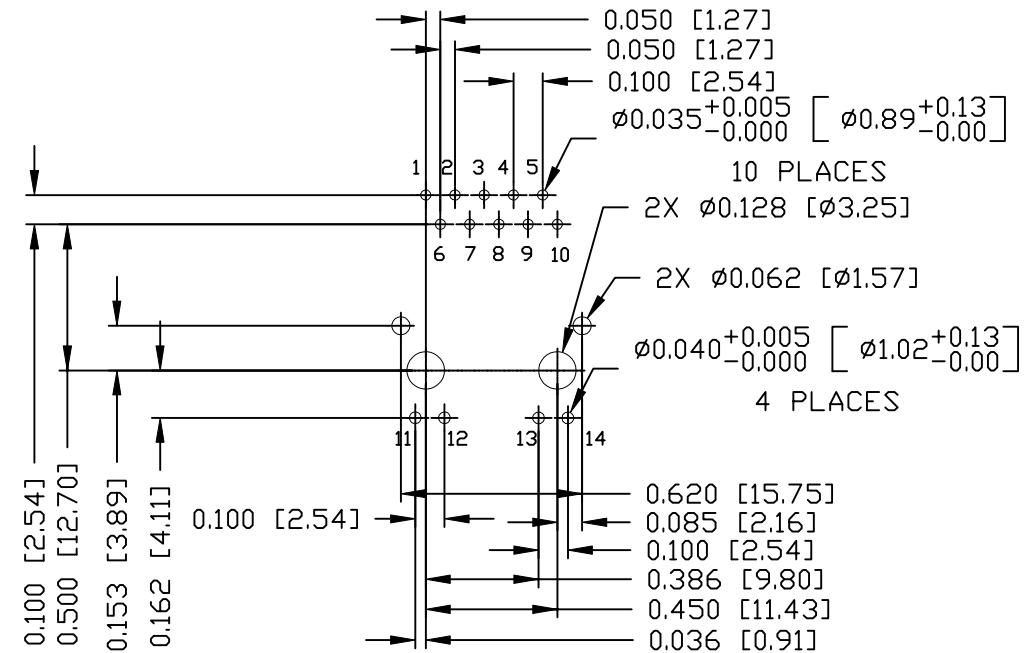
PACKING TRAY : 0200-9999-I3(TOP)

0200-9999-I4(BOTTOM)

PACKING QUANTITY : 55 PCS FINISHED GOODS PER TRAY
 9 TRAYS (495 PCS FINISHED GOODS)
 PER CARTON BOX

NOTER: CARDBOARDS ARE PLACED BETWEEN LAYERS
 OF PACKING TRAY INSIDE CARTON BOX
 (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

RECOMMENDED PCB FOOTPRINT
 COMPONENT SIDE VIEW



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 V890-1AX1-A1

FILE NAME
 V890-1AX1-A1_G.DWG

STANDARD DIM.
 TOL. IN INCH

[] METRIC DIM.
 AS REF.

.X

.XX

.XXX ± 0.004

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : G PAGE : 5



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