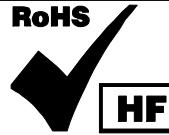


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ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT

INS. LOSS (MAX)

1MHz TO 20MHz	-0.8 dB
50MHz	-1.0 dB
200MHz	-1.2 dB
400MHz	-2.0 dB
500MHz	-3.0 dB

RET. LOSS (MIN)

1MHz - 40MHz	-16 dB
40MHz - 400 MHz	-16+10LOG (F/40) dB
400MHz - 500 MHz	-6+30LOG (F/400) dB

CM TO CM REJ

1MHz - 500MHz	-30 dB MIN
---------------	------------

CM TO DM REJ

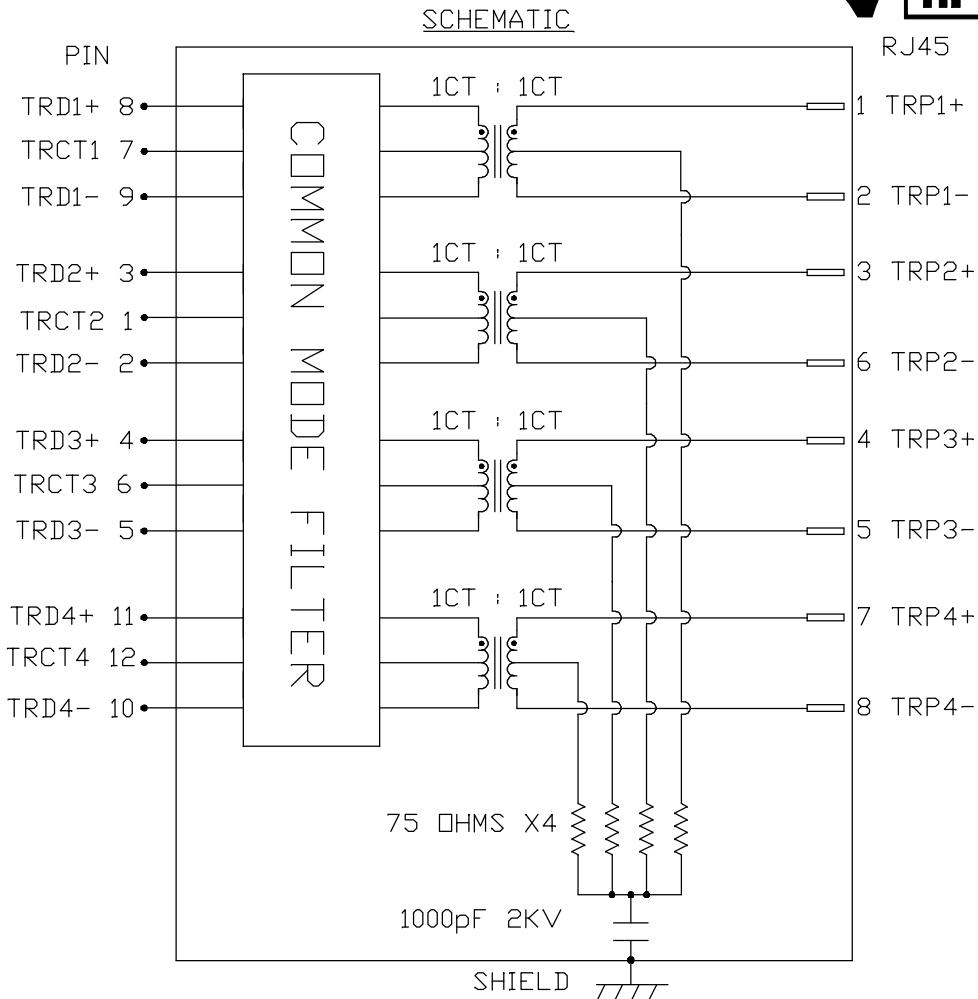
1MHz - 500MHz	-30 dB MIN
---------------	------------

HIPOT (Isolation Voltage):

2250VDC

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

OPERATING TEMPERATURE: 0°C TO +70°C.



REV. : A PAGE : 2



ORIGINATED BY
CHOW WANCHUNG
DATE 2019-04-23

TITLE 10 gigabit MagJack®
(With Light Pipe Only)
(Ultra Low Profile)

PART NO. / DRAWING NO.
G10-18NN012E

STANDARD DIM.
TOL. IN INCH
[] METRIC DIM.
AS REF.

.X

UNIT : INCH [mm]

.XX

SCALE : N/A

.XXX

SIZE : A4

FILE NAME
G10-18NN012E_A.DWG

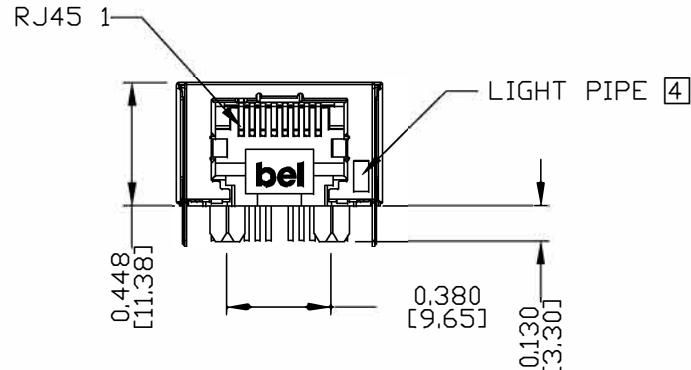
DC002(2)120214

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MECHANICAL SPECIFICATION



NOTES:

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

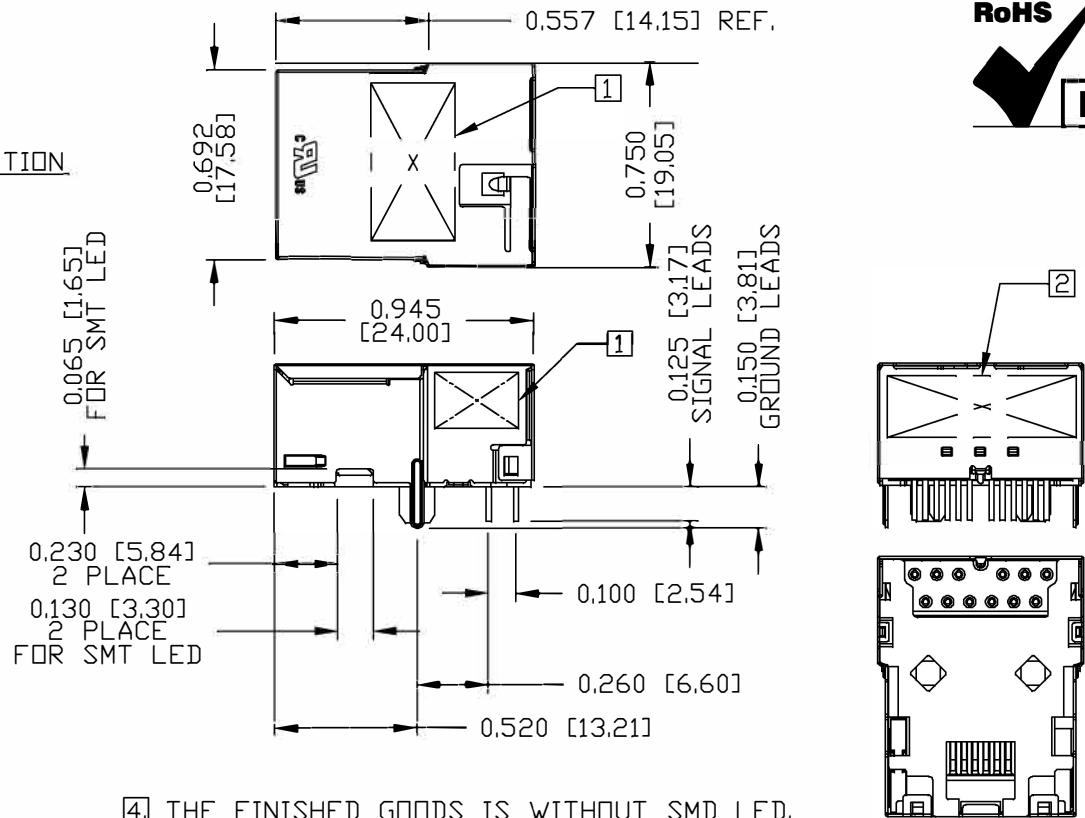
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING
OR EQUIVALENT.

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
100 MICRO-INCH MIN MATTE TIN.
PINS ARE SOLDER DIPPED.

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

1. MARK PART WITH PART NUMBER, DATE CODE AND PATENTED.
2. MARK PART WITH MFG. LOGO, MFG. NAME ON BACK VIEW.
3. THE PRODUCT IS RoHS COMPLIANT AND HALOGEN FREE.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

UL RECOGNIZED - FILE # E169987.



4. THE FINISHED GOODS IS WITHOUT SMD LED.
THE SMD LED IS PROVIDED BY CUSTOMER HERSELF.
AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.
5. THE PRODUCT IS PATENTED. "PATENTED" MARKING IS ON THE TOP SURFACE. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 &
& U.S. PAT. 7,123,117 & U.S. PAT. 6,840,817 AND U.S. PAT. 7,924,130.
6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.
7. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : A PAGE : 3

bel MAGNETIC
SOLUTIONS
a bel group

ORIGINATED BY SANDY LIN	TITLE 10 gigabit MagJack® (with Light Pipe Only)
DATE 2019-04-23	(Ultra Low Profile)
DRAWN BY OLIVER ZHANG	PART NO. / DRAWING NO. G10-18NN012E
DATE 2019-04-23	FILE NAME G10-18NN012E_A.DWG

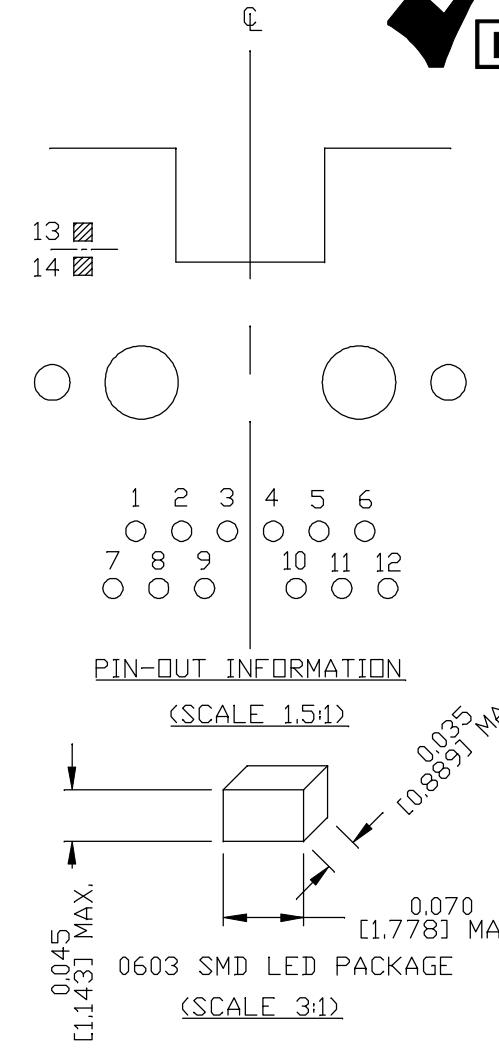
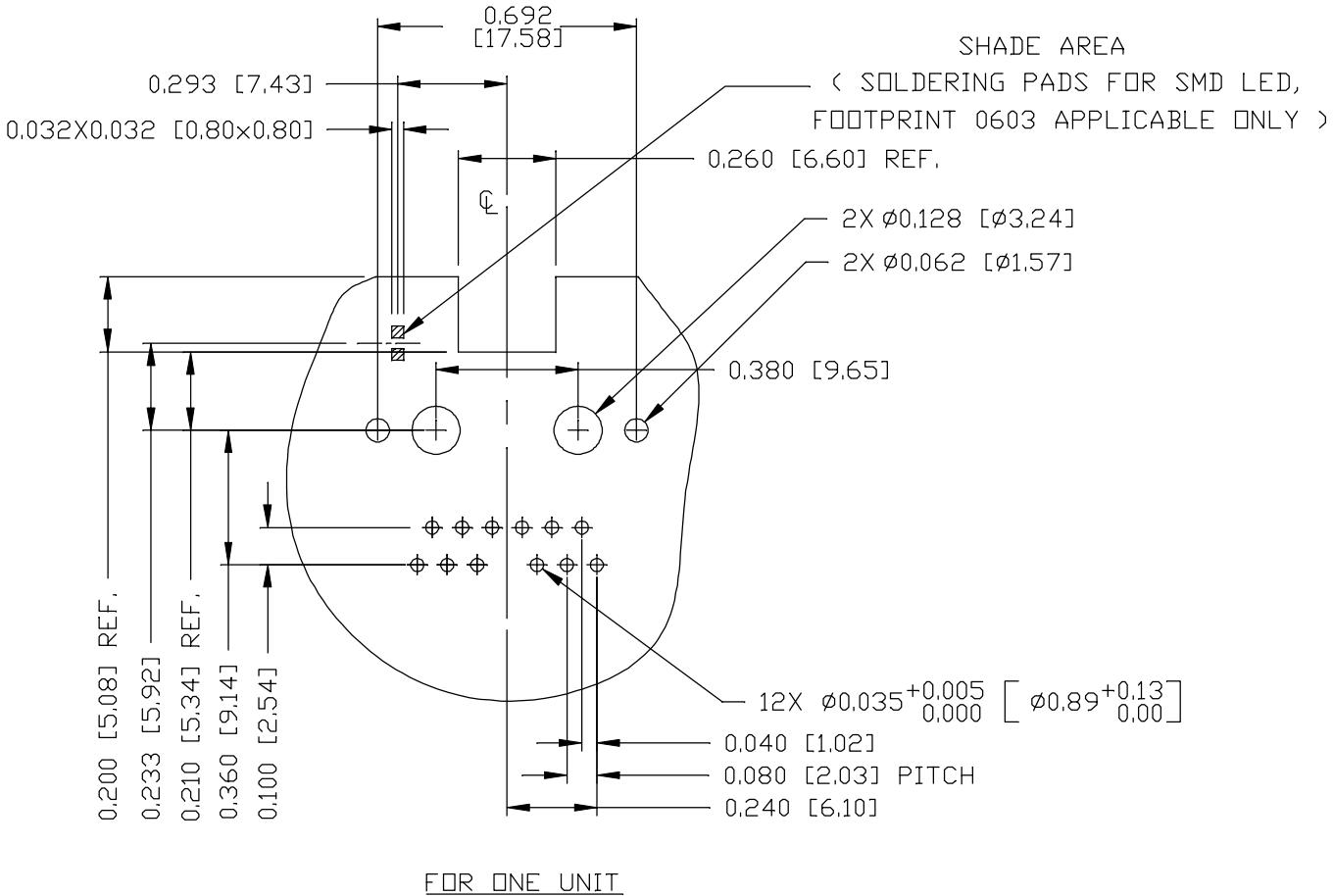
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW

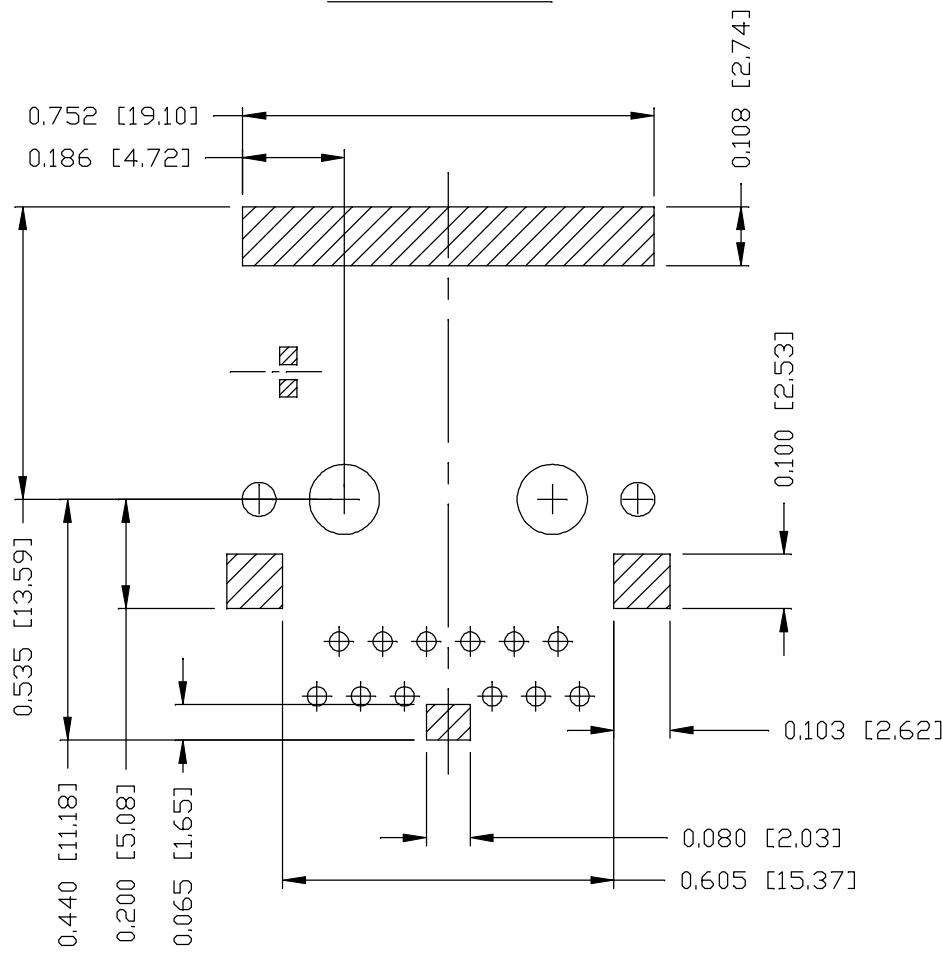


ORIGINATED BY SANDY LIN DATE 2019-04-23	TITLE 10 gigabit MagJack® (With Light Pipe Only) (Ultra Low Profile) DRAWN BY OLIVER ZHANG DATE 2019-04-23	PART NO. / DRAWING NO. G10-18NN012E FILE NAME G10-18NN-012E PATENTED	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
			.X		UNIT : INCH [mm]
			.XX		SCALE : N/A

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KEEP OUT AREA



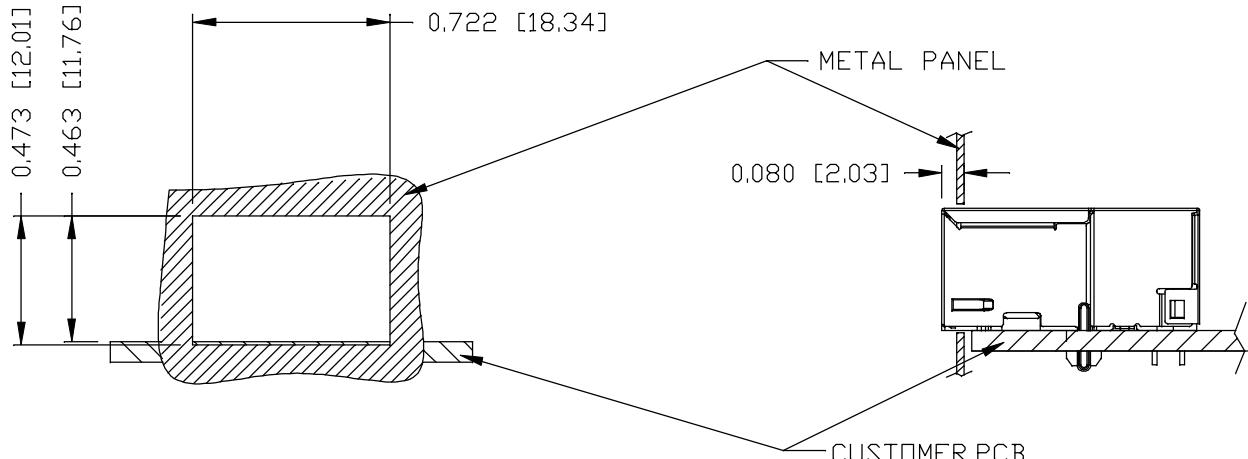
NOTES:

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

ORIGINATED BY SANDY LIN DATE 2019-04-23	TITLE 10 Gigabit MagJack® (with Light Pipe Only) (Ultra Low Profile) G10-18NN-012E PATENTED	PART NO. / DRAWING NO. G10-18NN012E	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	REV. : A	PAGE : 5
DRAWN BY OLIVER ZHANG DATE 2019-04-23	FILE NAME G10-18NN012E_A.DWG	.X	.XX	UNIT : INCH [mm]		
		.XXX	±0.004	SCALE : N/A		
				SIZE : A4		



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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)
 0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
 11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

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

REV. :	A	PAGE :	6
ORIGINATED BY SANDY LIN DATE 2019-04-23	TITLE 10 gigabit MagJack® (With Light Pipe Only) (Ultra Low Profile) G10-18NN-012E PATENTED	PART NO. / DRAWING NO. G10-18NN012E	STANDARD DIM. TOL. IN INCH
			[] METRIC DIM. AS REF.
		.X	UNIT : INCH [mm]
		.XX	SCALE : N/A
		.XXX	SIZE : A4