

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



LED 1 POLARITY			LED 2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

DCL @ 100kHz/100mVRMS (4CHANNEL)

11mA DC BIAS 350µH MIN.

Compliant to IEEE 802.3at specification

INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.8 dB MAX
65MHz TO 100MHz	-1.0 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):

2250 VDC

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS

1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS

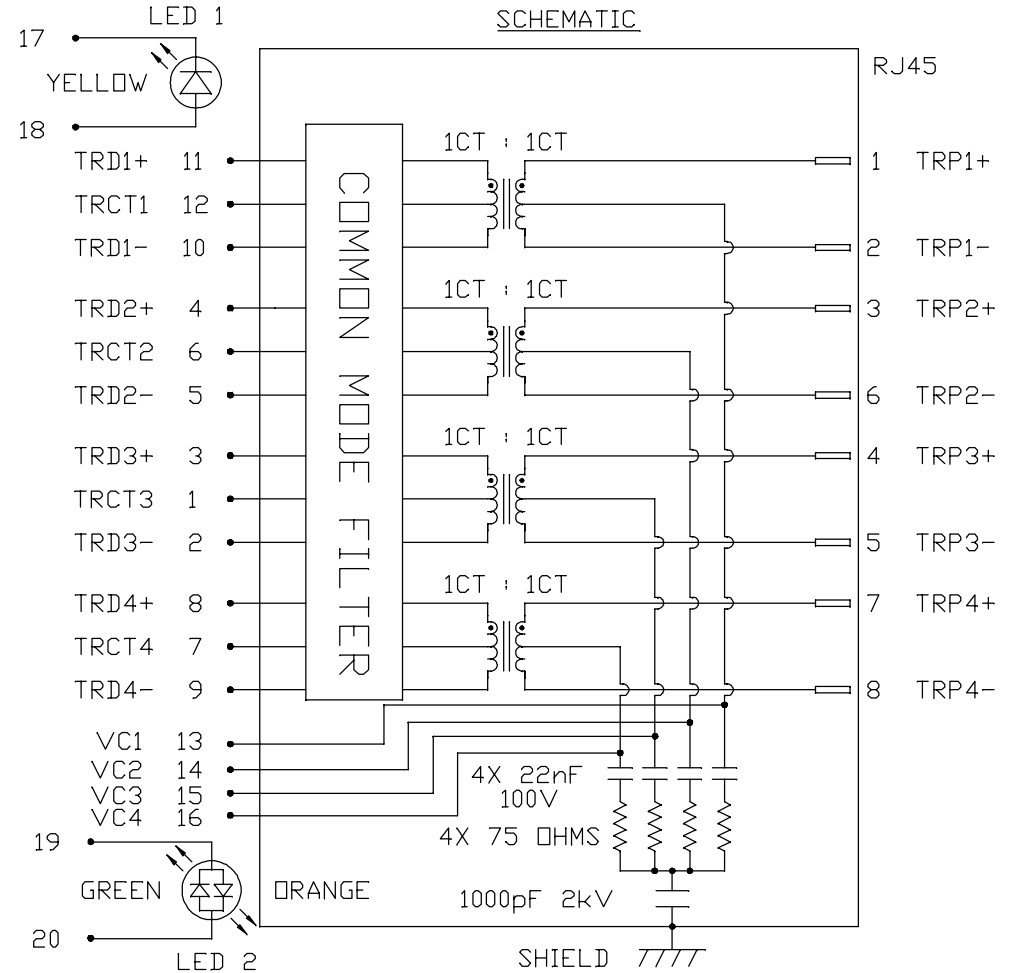
LED 1

VF (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.

LED 2

VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
	ORANGE 2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 570nm TYP.
	ORANGE 610nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C



ORIGINATED BY
CHOW WANCHUNG
DATE 2016-08-11

DRAWN BY
SKY YAU
DATE 2016-08-11

TITLE
gigabit MagJack®
(PoE, Extended Temperature)
0826-1X1T-GH-F
PATENTED

PART NO. / DRAWING NO.
08261X1TGH-F

FILE NAME
08261X1TGH-F_D.DWG

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

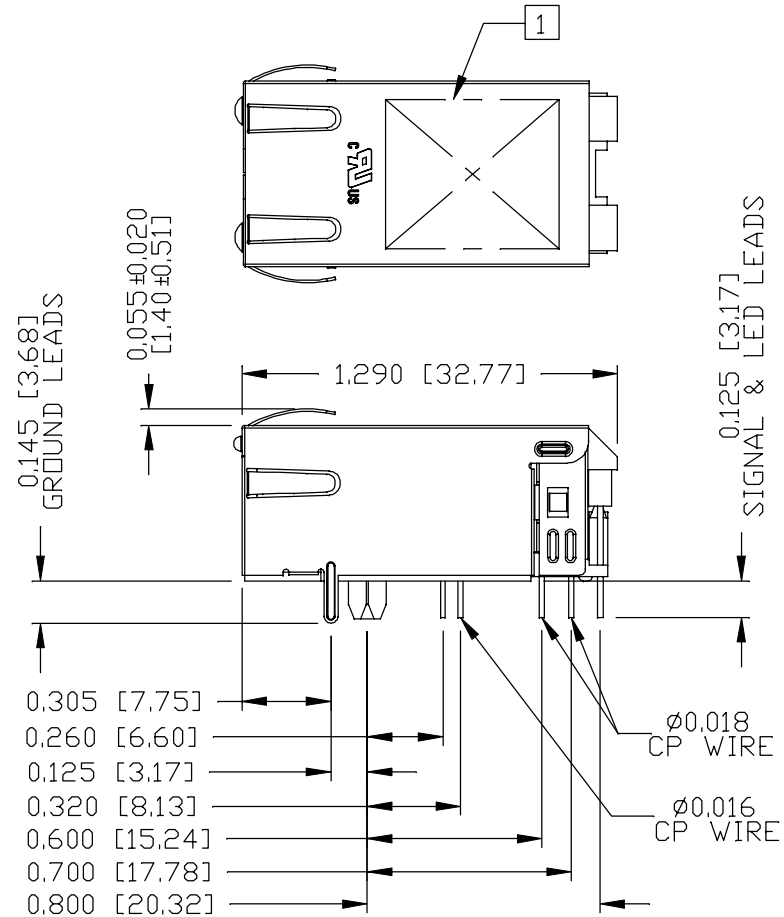
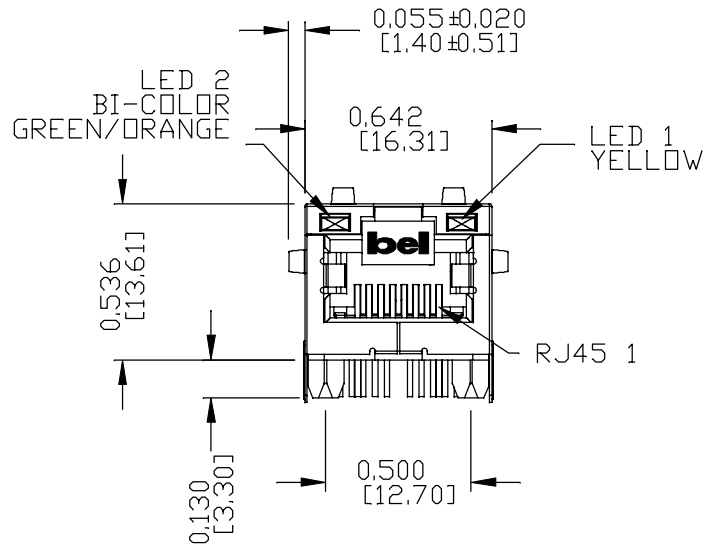
.X UNIT : INCH [mm]
.XX SCALE : N/A
.XXX SIZE : A4

REV. : D PAGE : 2

a bel group

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.

MECHANICAL SPECIFICATION



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
 FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
 30 MICRO-INCH MIN NICKEL UNDERPLATE.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016 AND 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 MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 7,123,117.
- 5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

- UL RECOGNIZED - FILE #E196366 AND E169987.
- 2. THE PRODUCT IS RoHS COMPLIANT.

REV. : D PAGE : 3

ORIGINATED BY ANTON LIAO DATE 2016-08-11	TITLE gigabit MagJack® (PoEp, Extended Temperature)	PART NO. / DRAWING NO. 08261X1TGH-F	STANDARD DIM. [] METRIC DIM. TOL. IN INCH AS REF.	
			.X	UNIT : INCH [mm]
DRAWN BY JESSE LI DATE 2016-08-11	0826-1X1T-GH-F PATENTED	FILE NAME 08261X1TGH-F_D.DWG	.XX	SCALE : N/A
			.XXX	±0.010 SIZE : A4

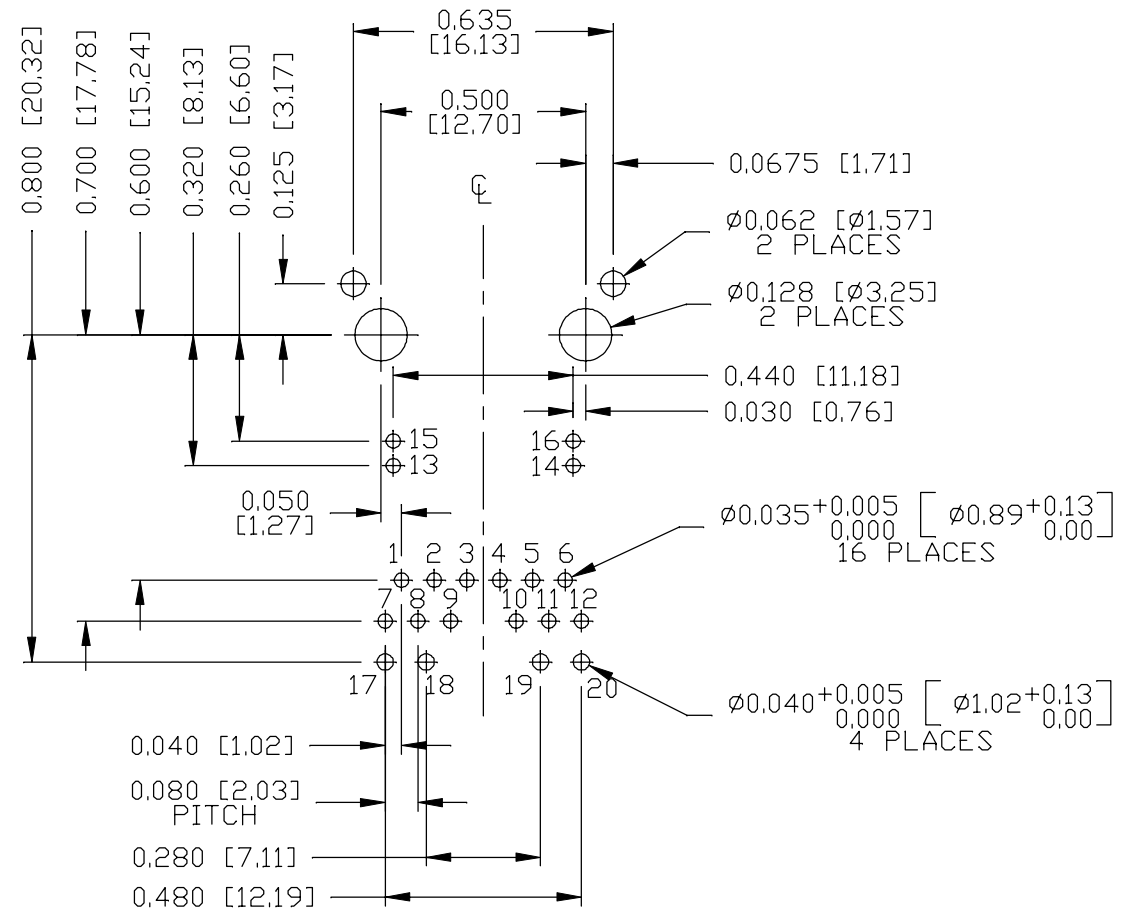
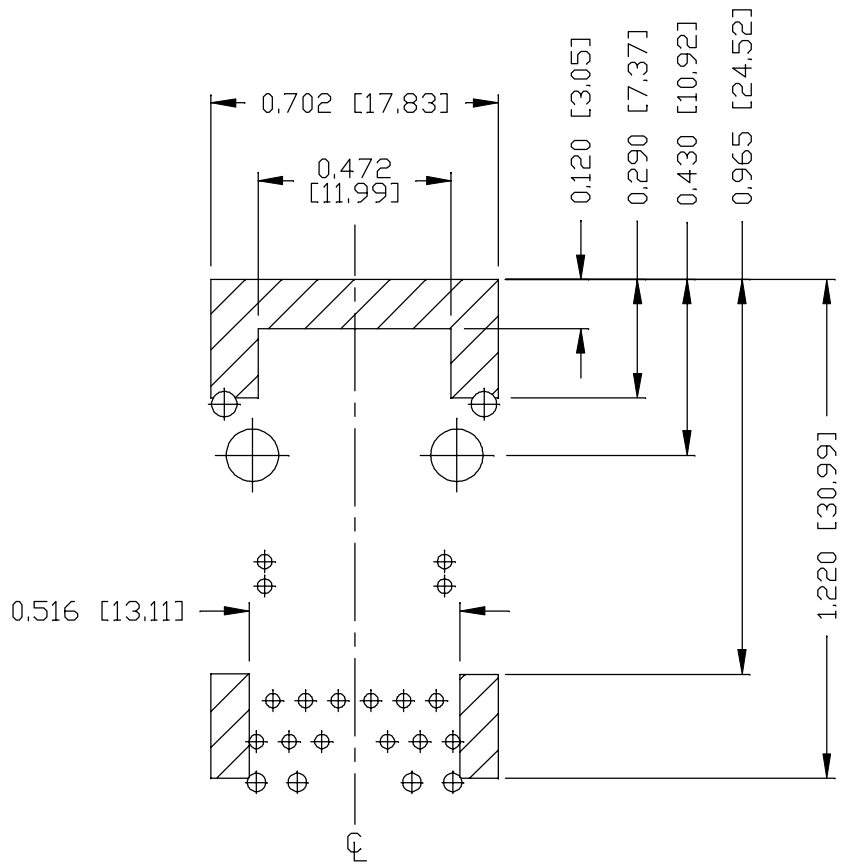


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS




RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES

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

REV. : D PAGE : 4

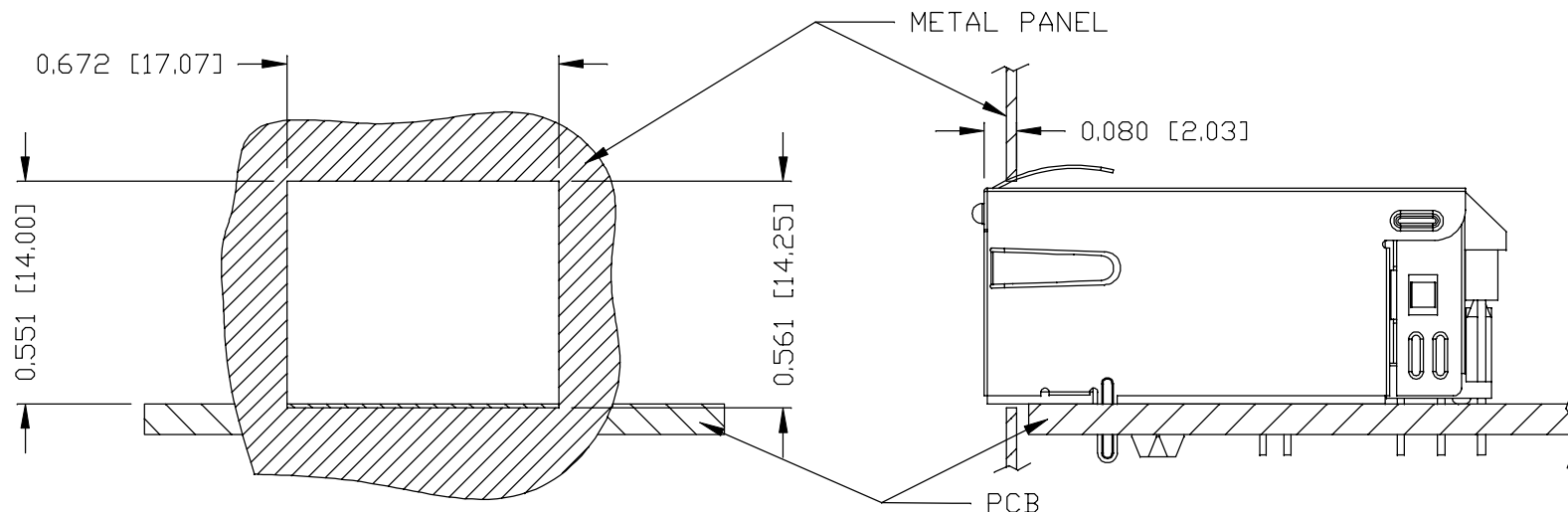
<p>ORIGINATED BY ANTON LIAO DATE 2016-08-11</p>	<p>TITLE gigabit MagJack® (PoEp, Extended Temperature) 0826-1X1T-GH-F PATENTED</p>	<p>PART NO. / DRAWING NO. 08261X1TGH-F</p>	<p>STANDARD DIM. TOL. IN INCH</p>	<p>[] METRIC DIM. AS REF.</p>	
<p>DRAWN BY JESSE LI DATE 2016-08-11</p>		<p>FILE NAME 08261X1TGH-F_D.DWG</p>	<p>.X .XX XXX</p>	<p>UNIT : INCH [mm] SCALE : N/A SIZE : A4</p>	
<p>±0.004</p>		<p>⊕ ⊖</p>			

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



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-F6 (TOP)


0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY

10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

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

REV. : D	PAGE : 5	
		
		UNIT : INCH [mm]
		SCALE : N/A
		SIZE : A4

ORIGINATED BY ANTON LIAO DATE 2016-08-11	TITLE gigabit MagJack® (PoEp, Extended Temperature) 0826-1X1T-GH-F PATENTED	PART NO. / DRAWING NO. 08261X1TGH-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
DRAWN BY JESSE LI DATE 2016-08-11		FILE NAME 08261X1TGH-F_D.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4
		±0.004		

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Modular Connectors / Ethernet Connectors](#) category:

Click to view products by [Bel Fuse](#) manufacturer:

Other Similar products are found below :

[8949-H88/06BLKA/SN](#) [74441-0010/BKN](#) [MP1010RX-1000](#) [MP44RX-1000](#) [PHJ-4P4C-1-V-4](#) [PHP-6P6C-5](#) [GAX-3-66](#) [GAX-8-62](#) [GDCX-PA-66-50](#) [GDCX-PN-64](#) [GDCX-PN-66](#) [GDCX-PN-66-50](#) [GDLX-A-66](#) [GDLX-N-66](#) [GDLX-S-66](#) [GDLX-S-88K](#) [GDLX-SMT-S-88](#) [GDTX-S-88-50](#) [GDX-PA-1010](#) [GLX-N-1010M-BLK](#) [GLX-S-88M-BLK](#) [GMX-N-1010](#) [GMX-S-1010](#) [GMX-S-66](#) [GMX-SMT4-N-88](#) [GPX-2-64](#) [GSGX-N-2-88](#) [GSGX-N-4-88](#) [GSX-NS2-88-3.05](#) [GSX-NS2-88-3.05-50](#) [GSX-NS-88-3.05-50](#) [PT-108A-8C-UL](#) [PT-J951-8C](#) [PTS-J531-8CS-50UL](#) [1-1775629-2](#) [A-2014-0-4](#) [GWLX-S-88-GR](#) [GWLX-S9-88-YG](#) [DC-1021-8-WH-6](#) [1300530003](#) [1324640-4](#) [RJ11FTVC2G](#) [RJ11FTVC2N](#) [RJFTVX2SA1G](#) [132764-001](#) [1413235](#) [MP88X-1000](#) [MPS88RX-5000](#) [E5288-S000K3-L](#) [E5908-15A242-L](#)