



LED1 POLARITY			LED2 POLARITY		
PIN 12	PIN 13	COLOR	PIN 14	PIN 15	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO 1CT : 1CT ±2%

OC L @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INSERTION LOSS

100KHz TO 100MHz -1.5 dB MAX.

RETURN LOSS (MIN.)

2MHz-30MHz -16 dB MIN.

60MHz-80MHz -10 dB MIN.

CROSS TALK

100KHz - 100MHz -30 dB MIN.

HIPOT (ISOLATION VOLTAGE)

2250 VDC

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

BALANCED DC LINE CURRENT 350mA MAX. @ 57 VDC CONTINUOUS

500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

LED 1

V_F (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

λ_D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

LED 2

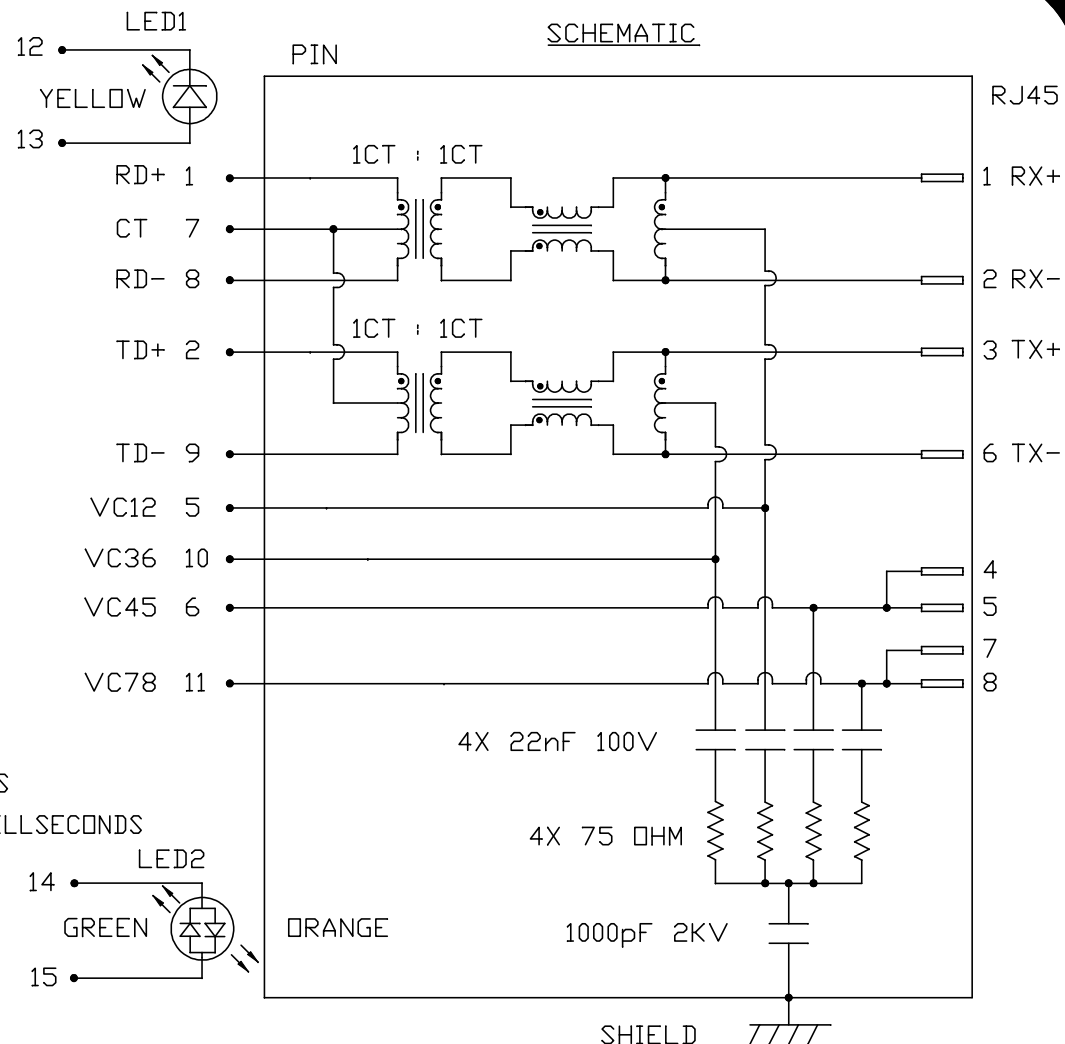
V_F (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λ_D (DOMINANT WAVELENGTH) IF=20mA ORANGE 2.0V TYP.

λ_D (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

ORANGE 610nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY
CHOW WANCHUNG
DATE 2016-08-09

DRAWN BY
SKY YOU
DATE 2016-08-09

TITLE
10/100 MagJack®
(PoE, Tab Up)
0826-1X1T-57-F

PART NO. / DRAWING NO.
08261X1T57-F

FILE NAME
08261X1T57-F_F.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : F

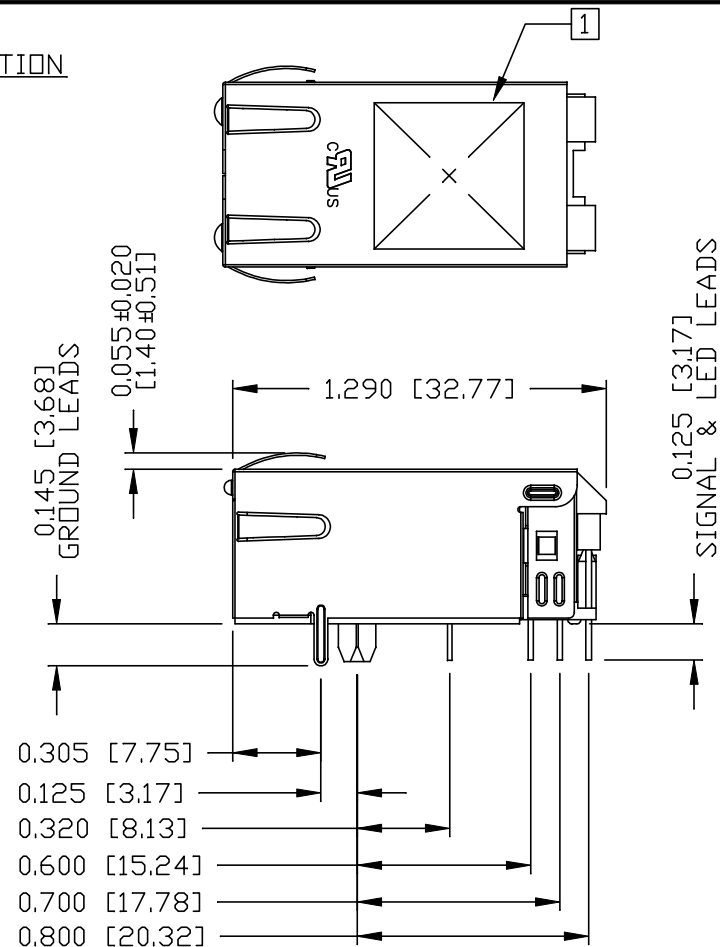
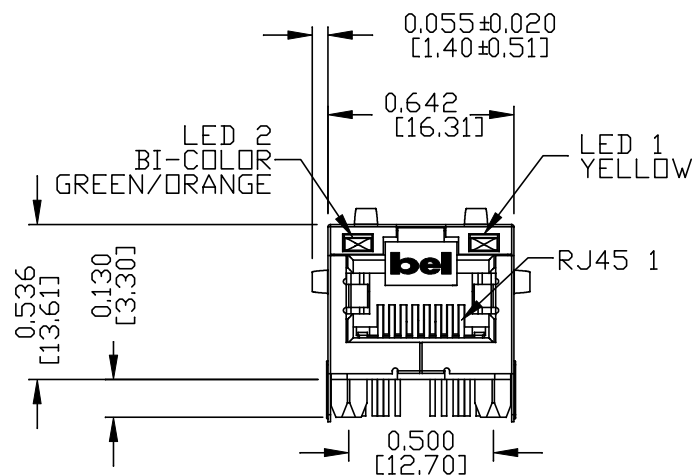
PAGE : 2



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

RoHS



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 0.018 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, AND DATE CODE.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

ORIGINATED BY
ANTON LIAO
DATE 2016-08-09
DRAWN BY
JESSE LI
DATE 2016-08-09

TITLE
10/100 MagJack®
(PoE, Tab Up)
0826-1X1T-57-F

PART NO. / DRAWING NO.
08261X1T57-F
FILE NAME
08261X1T57-F_F.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

REV. : F PAGE : 3



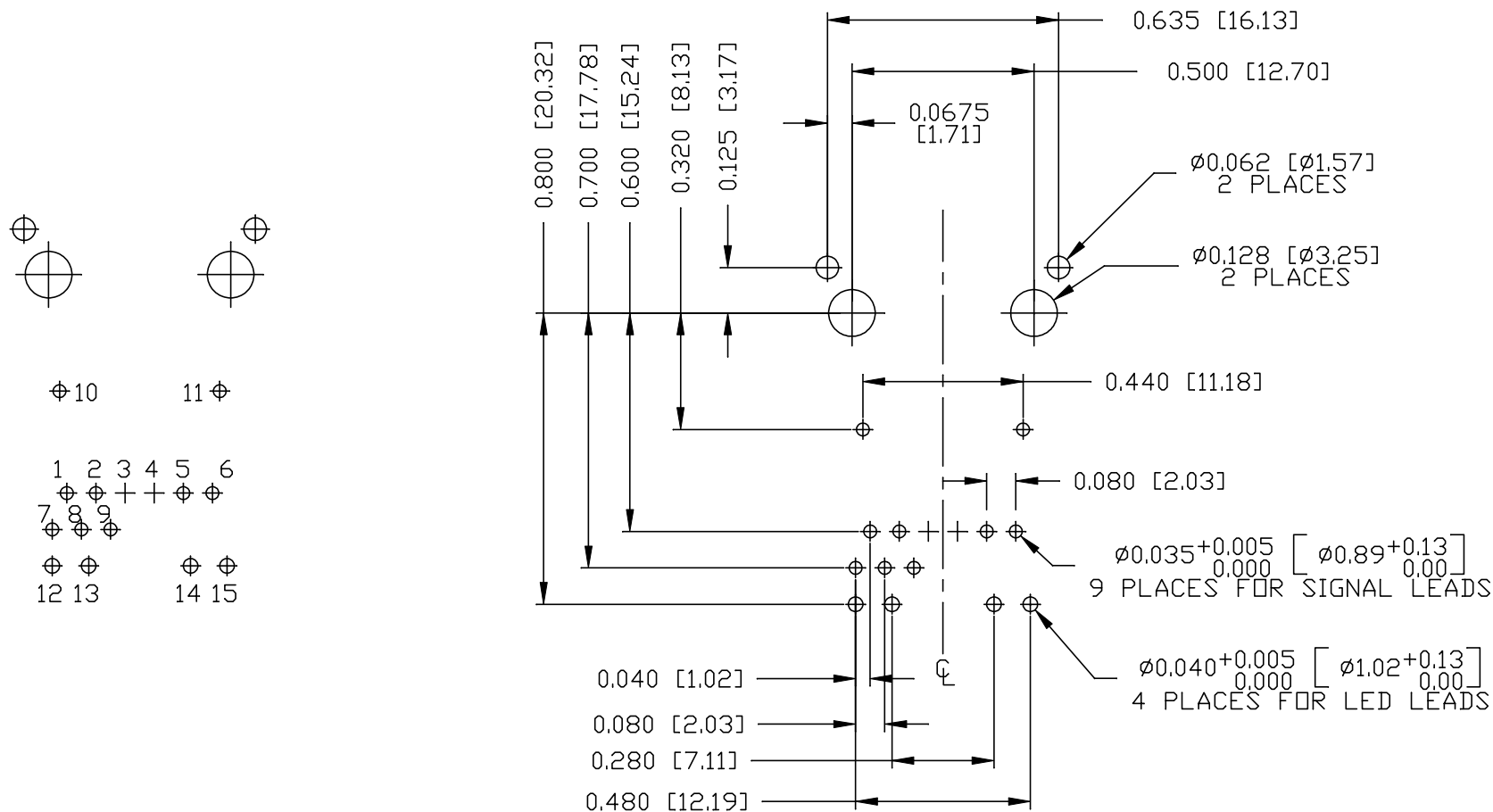
THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



ORIGINATED BY
ANTON LIAO
DATE 2016-08-09

DRAWN BY
JESSE LI
DATE 2016-08-09

TITLE
10/100 MagJack®
(PoE, Tab Up)
0826-1X1T-57-F

PART NO. / DRAWING NO.
08261X1T57-F

FILE NAME
08261X1T57-F_F.DWG

STANDARD DIM.
TOL. IN INCH

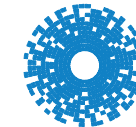
.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : F

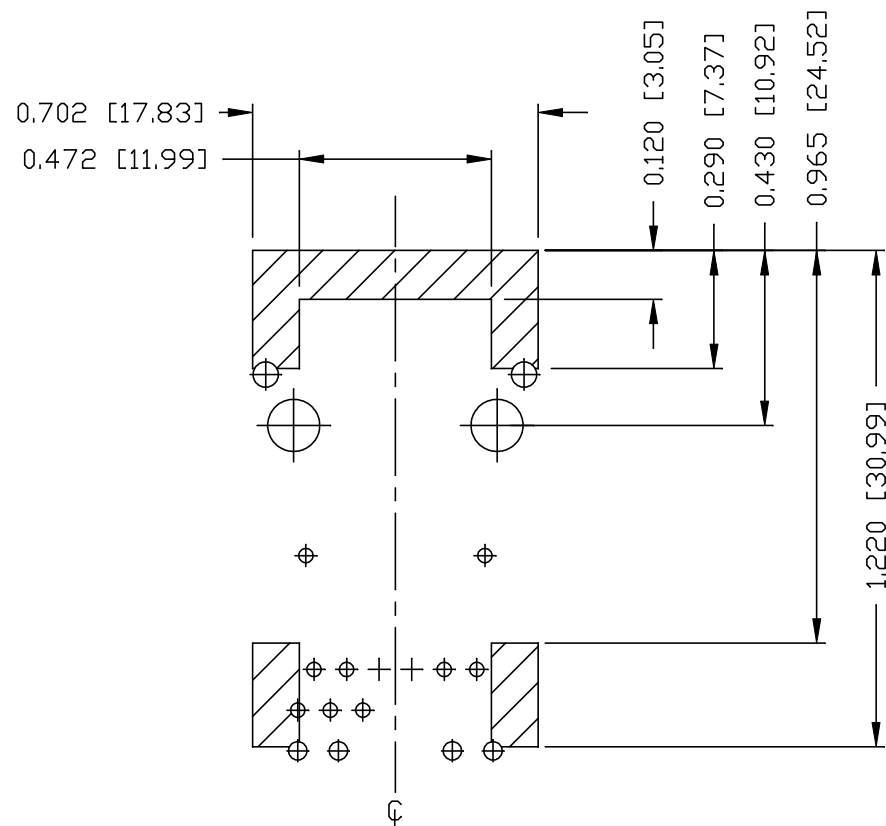
PAGE : 4



bel MAGNETIC
SOLUTIONS
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.

RoHS



NOTES

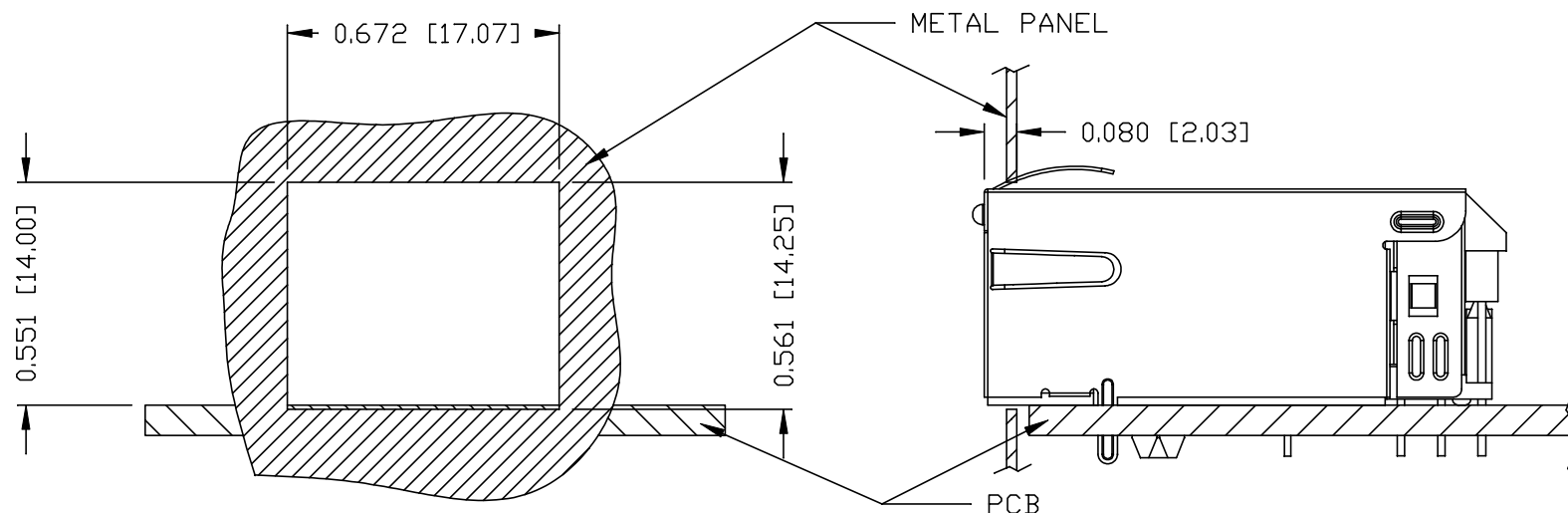
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY ANTON LIAO DATE 2016-08-09		TITLE 10/100 MagJack® (PoE, Tab Up) 0826-1X1T-57-F	PART NO. / DRAWING NO. 08261X1T57-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 bel MAGNETIC SOLUTIONS a bel group
DRAWN BY JESSE LI DATE 2016-08-09			FILE NAME 08261X1T57-F_F.DWG		.X		UNIT : INCH [mm]		
					.XX		SCALE : N/A		
					XXX	±0.004		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.

SUGGESTED PANEL OPENING

RoHS



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. : F PAGE : 6

ORIGINATED BY
ANTON LIAO
DATE 2016-08-09

DRAWN BY
JESSE LI
DATE 2016-08-09

TITLE
10/100 MagJack®
(PoE, Tab Up)
0826-1X1T-57-F

PART NO. / DRAWING NO.
08261X1T57-F

FILE NAME
08261X1T57-F_F.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



bel MAGNETIC
SOLUTIONS
a bel group

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0826-1X1T-57-F](#)