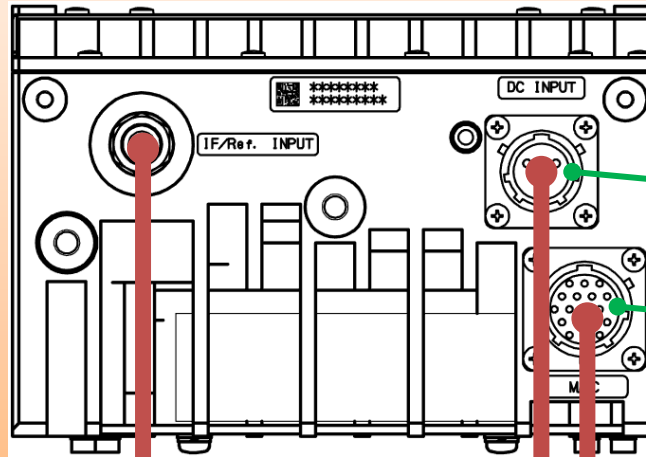


Connection Diagram of NJT8371 series

**Ku GaN 40W BUC:
NJT8371**



a) DC INPUT

b) M&C INPUT

10MHz Reference
IF Signal
FSK-M&C Signal^{*Note1}

DC +48V

RS-232C-M&C Signal^{*Note2}

Satellite Router / Modem

**M&C^{*Note2}
(RS-232C Interface)**



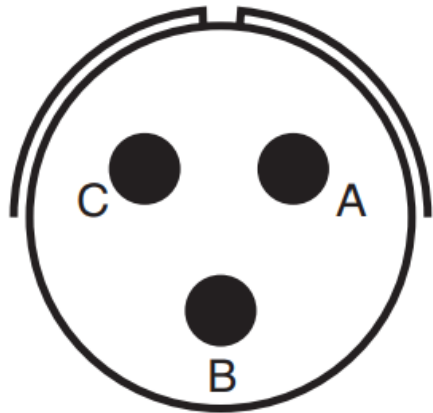
**DC Power Supply
+48V / 500 W**

**Note1: Available to use with FSK-M&C option*

**Note2: Available to use with RS-232C M&C option*

a) DC INPUT at NJT8371 (Ku GaN 40W BUC)

- Product connector: PT02E-12-3P(025) [Amphenol / 3 pins, male]
- Mating connector: PT06E-12-3S(470) [Amphenol / 3 sockets, female]
 - * *Mating connector is enclosed in the shipping package of NJT8371*

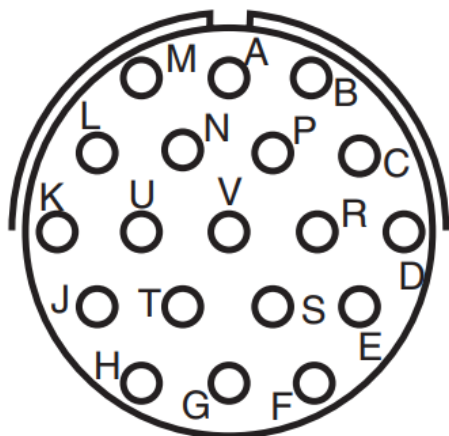


Pin No.	Item	Description
A	DC Input (+)	Prime: +36 to +60 V / DC Voltage
B	Frame GND	GND
C	DC Input (-)	Return

b) M&C INPUT at NJT8371 (Ku GaN 40W BUC)

- Product connector: PT02E-14-19P(025) [Amphenol / 19 pins, male]
- Mating connector: PT06E-14-19S(470) [Amphenol / 19 sockets, female]

* Mating connector is enclosed in the shipping package of NJT8371

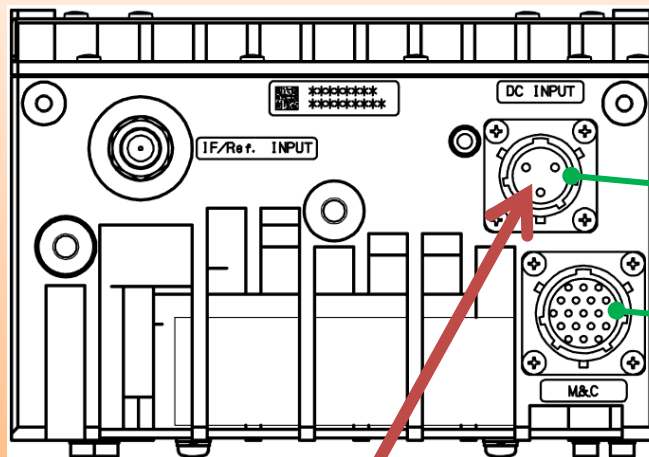


Pin No.	Item	Description
A	GND	GND
B	GND	GND
C	N.C.	-
D	N.C.	-
E	N.C.	-
F	RS-232C GND	Available to use with RS-232C M&C option
G	RS-232C RxD	Available to use with RS-232C M&C option
H	RS-232C TxD	Available to use with RS-232C M&C option
J	N.C.	-
K	N.C.	-
L	N.C.	-
M	N.C.	-
N	N.C.	-
P	N.C.	-
R	N.C.	-
S	N.C.	-
T	N.C.	-
U	N.C.	-
V	N.C.	-

Connection Overview

between Ku 40W BUC and 500W AC/DC PSU

**Ku GaN 40W BUC:
NJT8371**

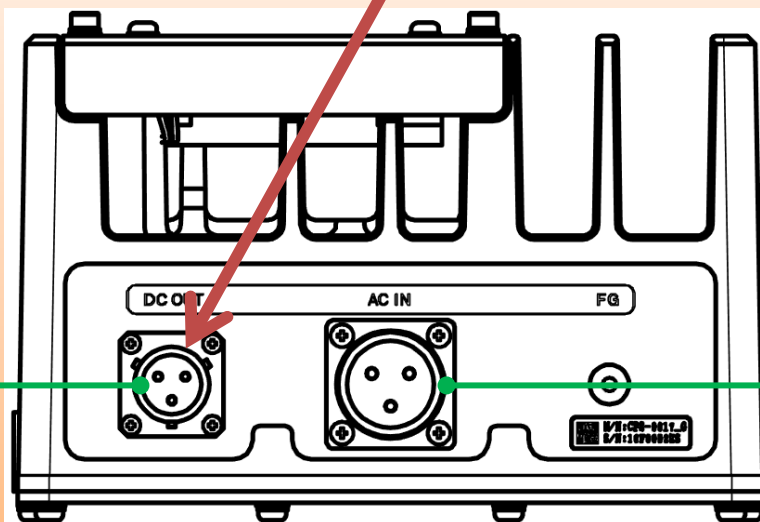


a) DC INPUT

b) M&C INPUT

Connection

**Outdoor 500W
AC/DC PSU:
NJZ1295**

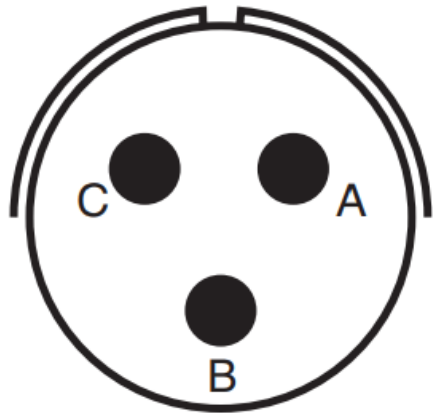


c) DC OUTPUT

d) AC INPUT

a) DC INPUT at NJT8371 (Ku GaN 40W BUC)

- Product connector: PT02E-12-3P(025) [Amphenol / 3 pins, male]
- Mating connector: PT06E-12-3S(470) [Amphenol / 3 sockets, female]
 - * *Mating connector is enclosed in the shipping package of NJT8371*

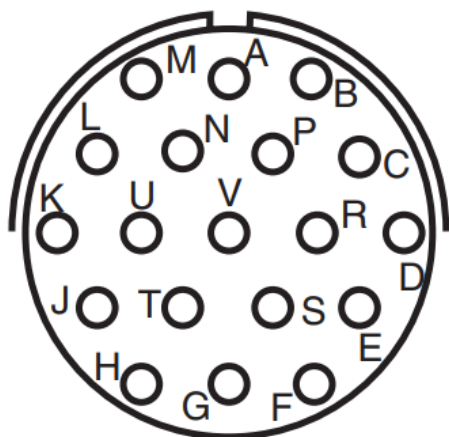


Pin No.	Item	Description
A	DC Input (+)	Prime: +36 to +60 V / DC Voltage
B	Frame GND	GND
C	DC Input (-)	Return

b) M&C INPUT at NJT8371 (Ku GaN 40W BUC)

- Product connector: PT02E-14-19P(025) [Amphenol / 19 pins, male]
- Mating connector: PT06E-14-19S(470) [Amphenol / 19 sockets, female]

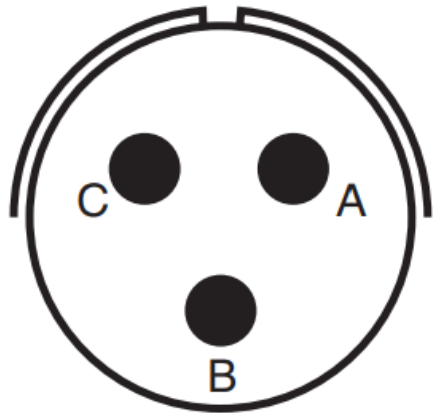
* Mating connector is enclosed in the shipping package of NJT8371



Pin No.	Item	Description
A	GND	GND
B	GND	GND
C	N.C.	-
D	N.C.	-
E	N.C.	-
F	RS-232C GND	Available to use with RS-232C M&C option
G	RS-232C RxD	Available to use with RS-232C M&C option
H	RS-232C TxD	Available to use with RS-232C M&C option
J	N.C.	-
K	N.C.	-
L	N.C.	-
M	N.C.	-
N	N.C.	-
P	N.C.	-
R	N.C.	-
S	N.C.	-
T	N.C.	-
U	N.C.	-
V	N.C.	-

c) DC OUTPUT at NJZ1295 (AC/DC PSU)

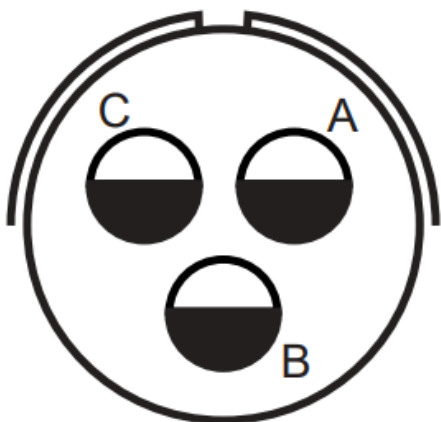
- Product connector: PT02E-12-3P(025) [Amphenol / 3 pins, male]
- Mating connector: PT06E-12-3S(470) [Amphenol / 3 sockets, female]
 - * *Mating connector is enclosed in the shipping package of NJZ1295*



Pin No.	Item	Description
A	DC Input (+)	Prime: +36 to +60 V / DC Voltage
B	Frame GND	GND
C	DC Input (-)	Return

d) AC INPUT at NJZ1295 (AC/DC PSU)

- Product connector: GTS030-16-10P(025) [Amphenol / 3 pins, male]
- Mating connector: GTS06CF-16-10S(025) [Amphenol / 3 sockets, female]
** Mating connector is enclosed in the shipping package of NJZ1289*



Pin No.	Item	Description
1	AC Input (Live)	100 to 240 V, AC Voltage
2	Frame GND	GND
3	AC Input (Neutral)	100 to 240 V, AC Voltage

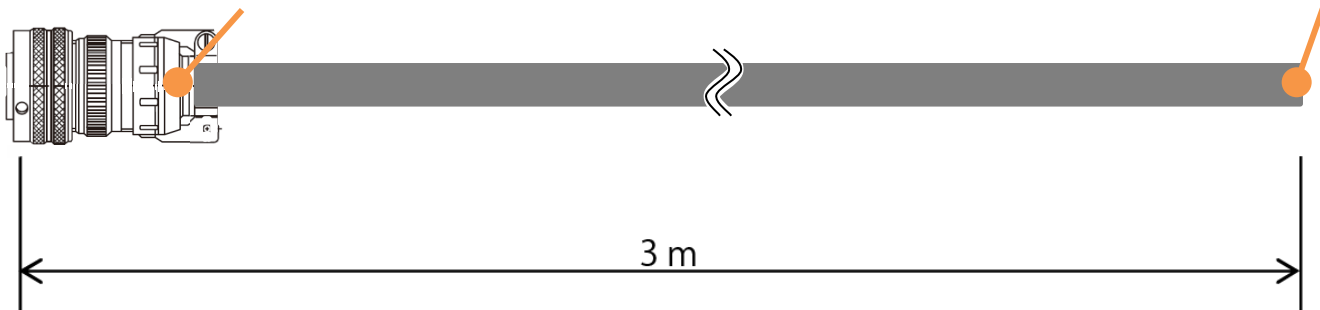
Cable Option: NJZ1290A03

- Cable between NJZ1295(500W AC/DC PSU) and AC Outlet
Weatherized Cable / Length: 3m / AC Mating Connector assembled
/ No assembly in AC Outlet Side

Mating Connector of "d) AC INPUT (NJZ1295)"

P/N: GTS06CF16-10S(025)

No assembly for AC Outlet

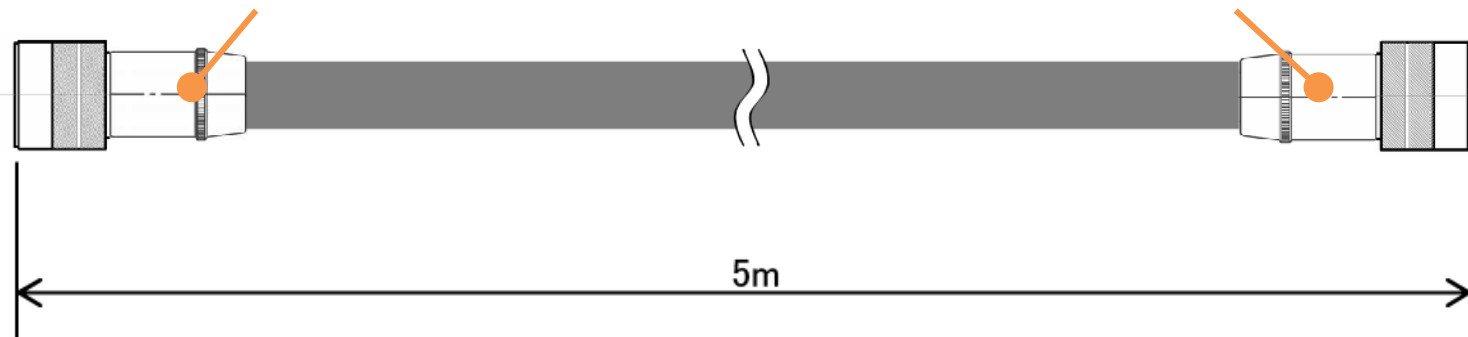


Cable Option: NJZ1290A04

- Connection Cable between NJT8371(Ku GaN 40W BUC) and NJZ1295(500W AC/DC PSU)
Weatherized Cable / Length: 5m / Two Mating Connectors assembled

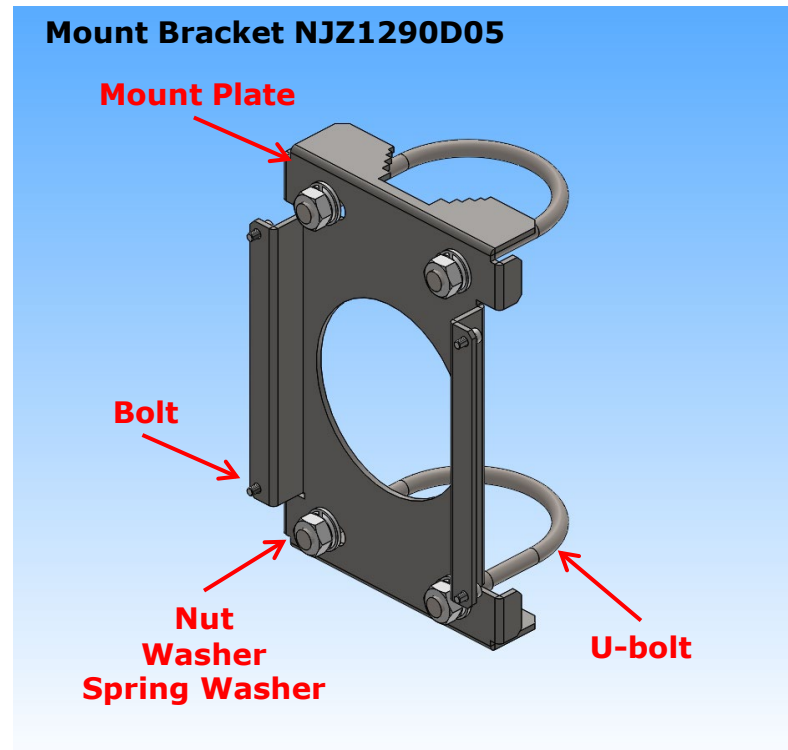
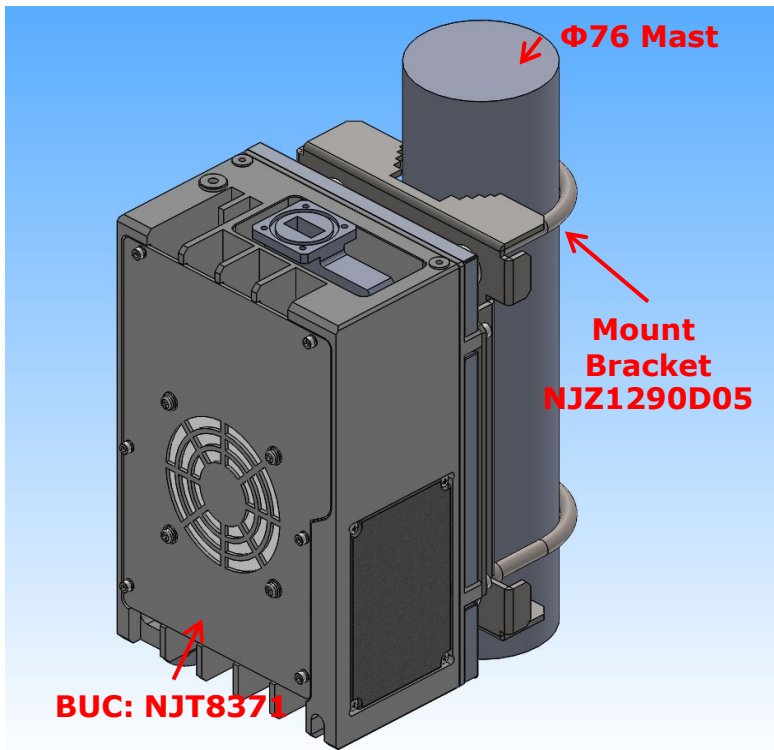
Mating Connector of "a) DC INPUT (NJT8371)"
P/N: PT06W-12-3S(025)

Mating Connector of "c) DC OUTPUT (NJZ1295)"
P/N: PT06W-12-3S(025)



Φ76 Mast Mount Bracket for NJT8371

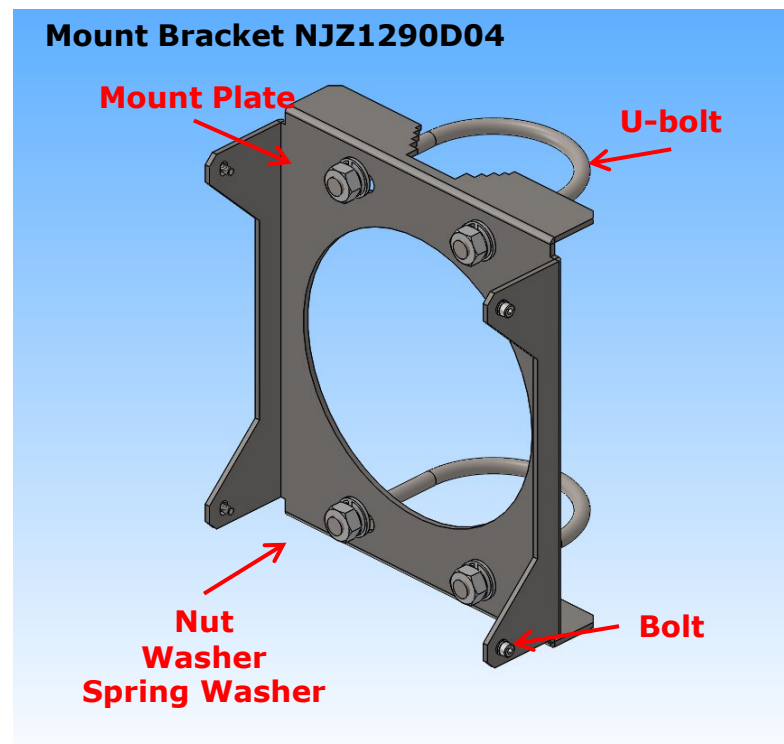
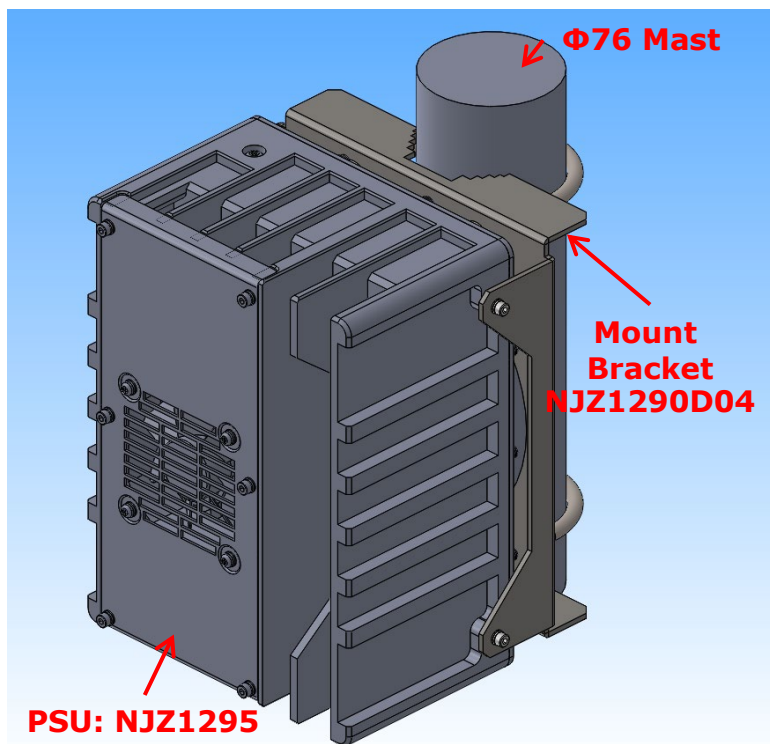
P/N: NJZ1290D05



Item	Qty	Description
Mount Plate	1	SUS
Bolt	4	SUS, M4, with W & SW, for fixing BUC
U-bolt	2	SUS, 65A(2-1/2"), M10
Nut	4	SUS, M10
Washer	4	SUS, for M10
Spring Washer	4	SUS, for M10

Φ76 Mast Mount Bracket for NJZ1295

P/N: NJZ1290D04



Item	Qty	Description
Mount Plate	1	SUS
Bolt	4	SUS, M4, with W & SW, for fixing BUC
U-bolt	2	SUS, 65A(2-1/2"), M10
Nut	4	SUS, M10
Washer	4	SUS, for M10
Spring Washer	4	SUS, for M10