

(UGZZ5-X01)INSTRUCTION MANUAL

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1. BLUETOOTH MODULE SPECIFICATION

1-1. PRODUCT NAME

UGZZ5-X01

1-2. MANUFACTURE

ALPS ELECTRIC

1-3. FEATURES

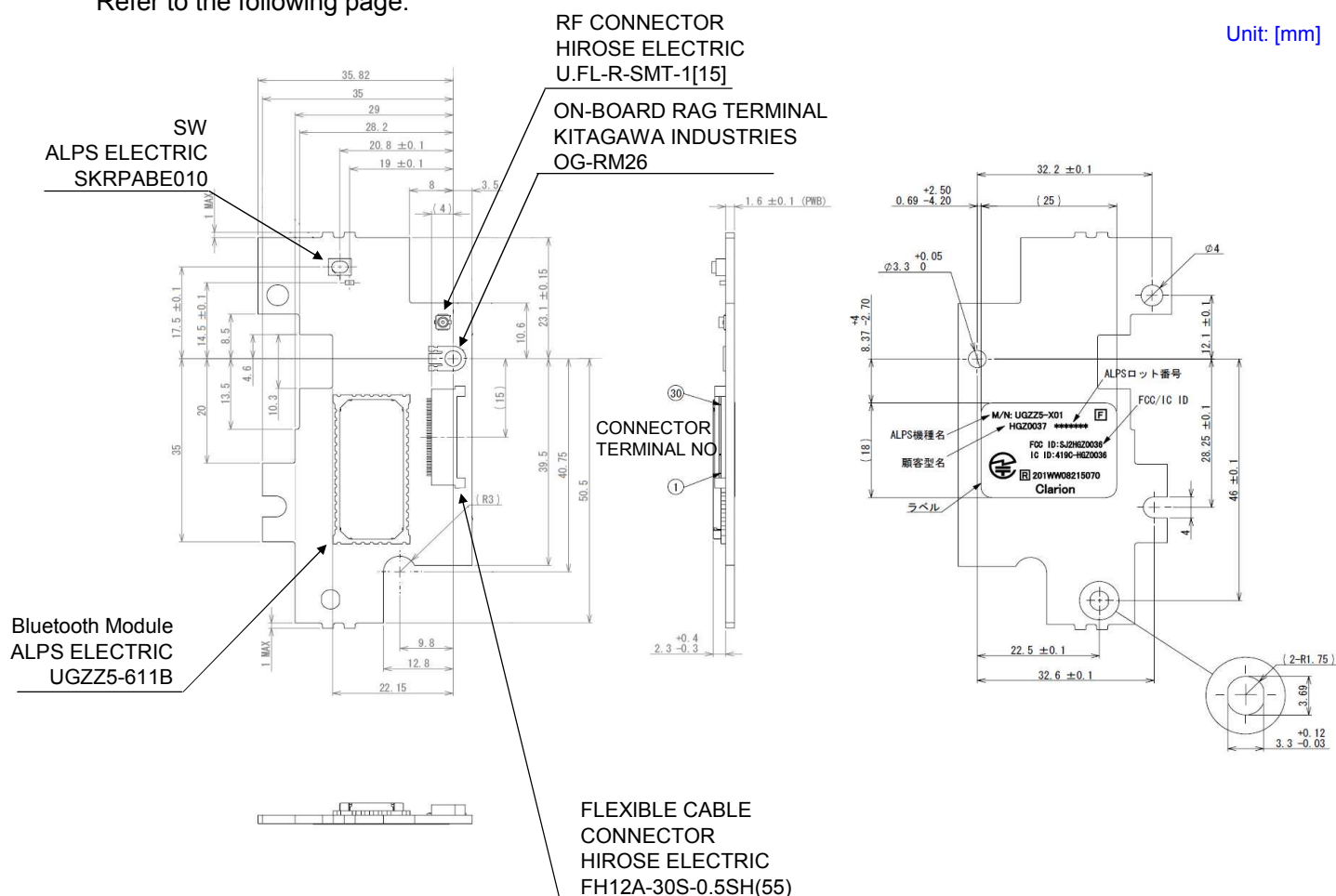
- Bluetooth™ Specification V2.0 support
- Complete type of Bluetooth module, built in various profile
- Built-in Link controller, Link manager Protocol
- Output power class 2 compliant
- An external antenna model (Antenna type is inverted-F antenna)
- Full custom package with pwb can be fit to only
- Bluit-in Flash memory(8bit), system clock 26MHz(OSC)
- FFC cable interface

1-4. SPECIFICATION

1-4-1. MECHANICAL SPECIFICATION

1-4-1-1. EXTERNAL DIMENSIONS

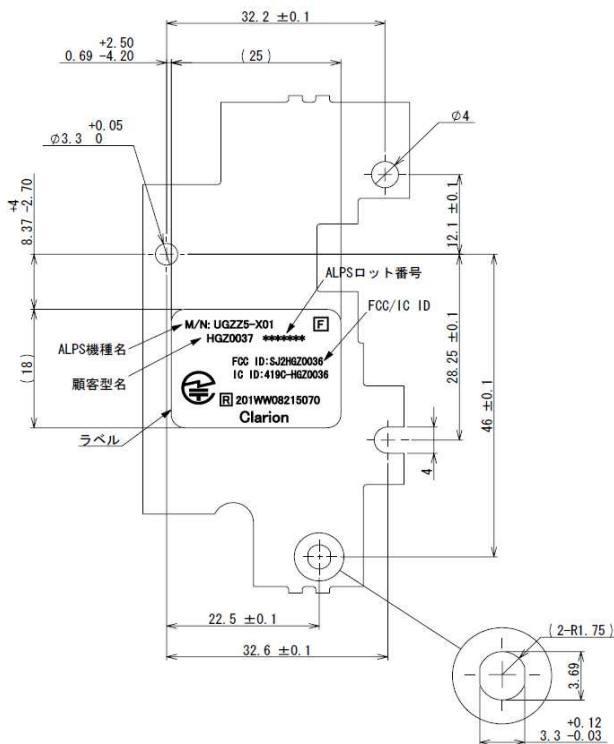
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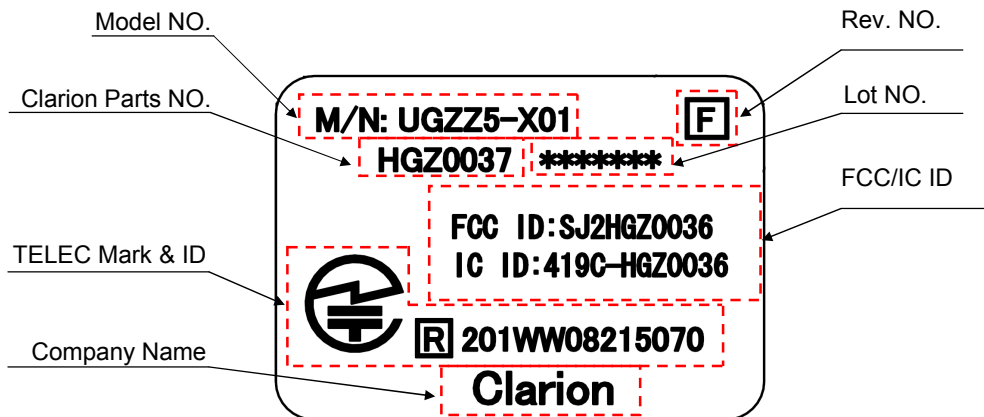
1-5. LABEL INFORMATION

1-5-1. LABEL LAYOUT

Refer to the following page.

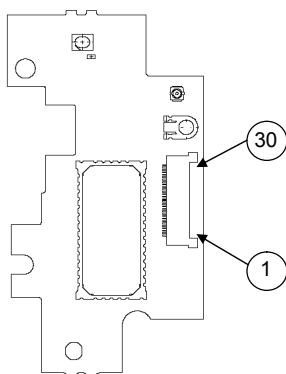


1-5-2. CONTENTS OF LABEL



1-6. CONNECTOR PIN ASSIGNMENT

FFC Connector terminal NO.

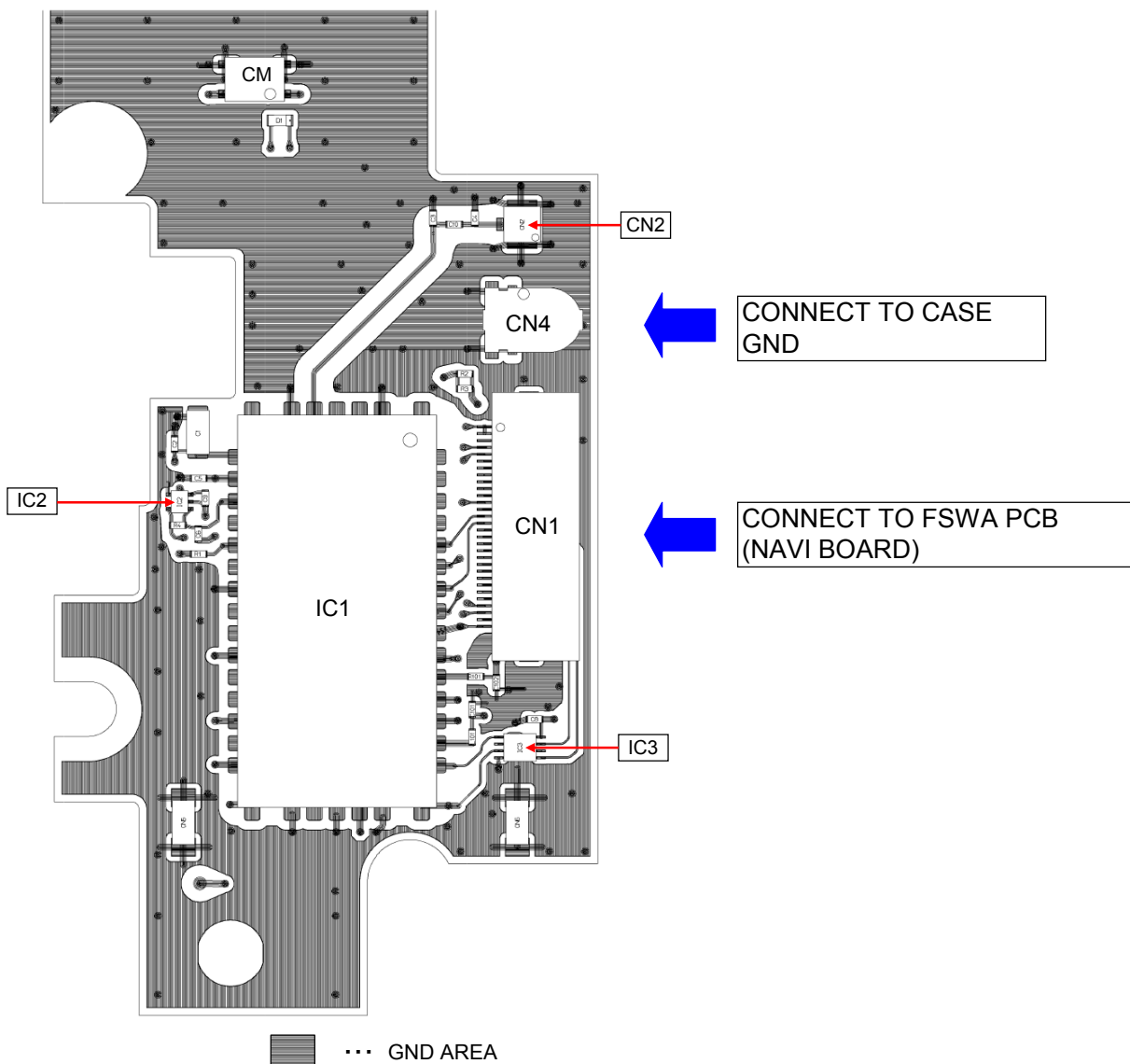


NO.	PIN NAME	I/O	DESCRIPTION
1	GND	-	Ground
2	GND	-	Ground
3	PTB1	O	AV Master Clock Select(44.1kHz=Low, 48kHz=High)
4	PTE5	O	PCM_Mute
5	PTE0	O	PCM_Reset (Active Low)
6	BOOT_E	I	BOOT Enable
7	PTA5	O	HF/AV Status signal
8	PTA6	I	MODE Select (Normal = NC / RF test = Low)
9	GND	-	Ground
10	SIOF_SCK	O	Audio Clock
11	SIOF_SYNC	O	Audio Frame signal
12	SIOF_RxD	I	AV/HF Input
13	SIOF_TxD	O	AV/HF Output
14	CLK11/12M	I	AV Master clock Input
15	GND	-	Ground
16	SCIF0_RTS	O	UART_RTS
17	SCIF0_CTS	I	UART_CTS
18	SCIF0_TXD	O	UART_TX
19	SCIF0_RXD	I	UART_RX
20	GND	-	Ground
21	GND	-	Ground
22	GND	-	Ground
23	GND	-	Ground
24	ILL-	I	LED Signal
25	ILL+	I	LED Signal
26	DVD_EJECT	O	DISC Eject Signal
27	RESETP/	I	Reset (Active Low)
28	NC	-	NonConnection
29	VCC	I	Power Supply 3.3V
30	VCC	I	Power Supply 3.3V

1-7. GND INFORMATION

GND PIN of MAJOR PARTS.

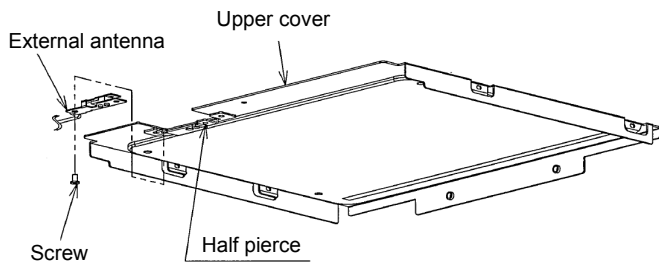
NO.	REF.	PARTS NAME	DESCRIPTION	GND PIN NO.
1	CN1	FH12A-30S-0.5SH(55)	FFC CONNECTOR	1,2,9,15,20,21,22,23
2	CN2	U.FL-SMT1[15]	RF CONNECTOR	1,3
3	CN3	OG-RM26	ON-BOARD RAG TERMINAL	-
4	CM3	SKRPABE010	SW	3,4
5	IC1	UGZZ5-X611B	BLUETOOTH MODULE IC	2,6,14,24,26,36
6	IC2	BD5225FVE	RESET IC	4
7	IC3	TC7WH241FK	LOGIC IC	4



2. PROCEDURE TO BUILD IN

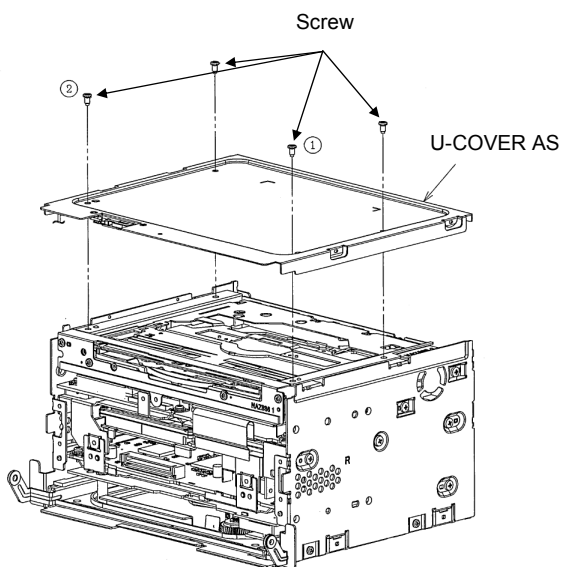
2-1. PROCEDURE FOR EXTERNAL ANTENNA

(1) Install External antenna to Upper cover (U-COVER AS)



Tighten up a screw after firmly-fitting an external antenna in half pierce of the cover.

(2) Install U-COVER AS to Navigation unit

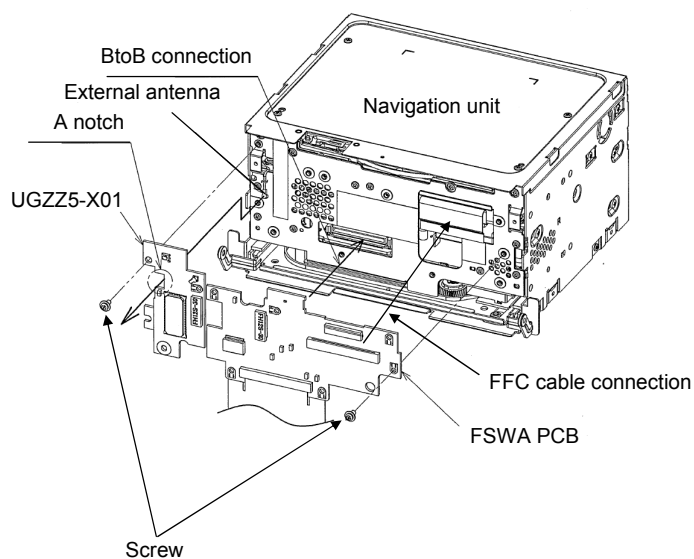


1) Be careful so that a cable is not tucking

2) Tighten up a screw in order of one to two (In addition, it is random order)

2-2. PROCEDURE FOR UGZZ5-X01

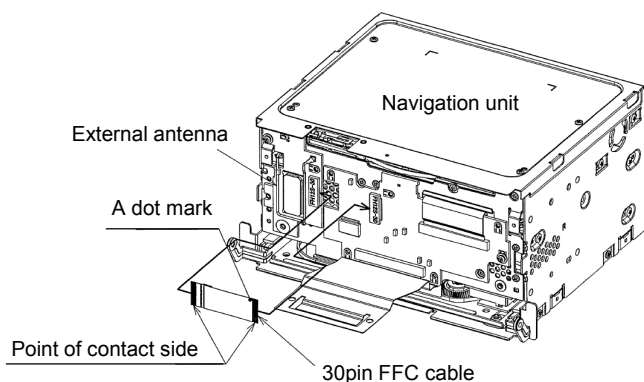
(1) Install UGZZ5-X01 to Navigation unit



- 1) Install UGZZ5-X01 with a screw
※ Take out an external antenna from a notch part
- 2) Install FSWA with a screw
- 3) Connected FSWA in order of 40pin-FFC cable, 80pin-FFC cable
※ firmly-lock the FFC connector

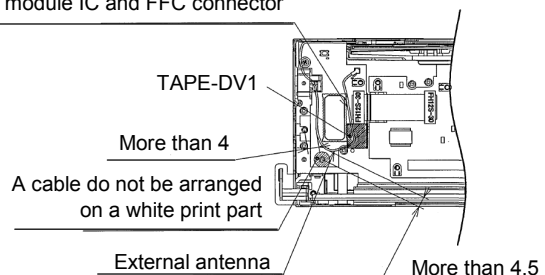
(2) Connect External antenna to UGZZ5-X01 , FFC cable connection between UGZZ5-X01 and FSWA PCB

- 1) Connect the dot mark side to FSWA PCB
※ firmly-lock the FFC connector

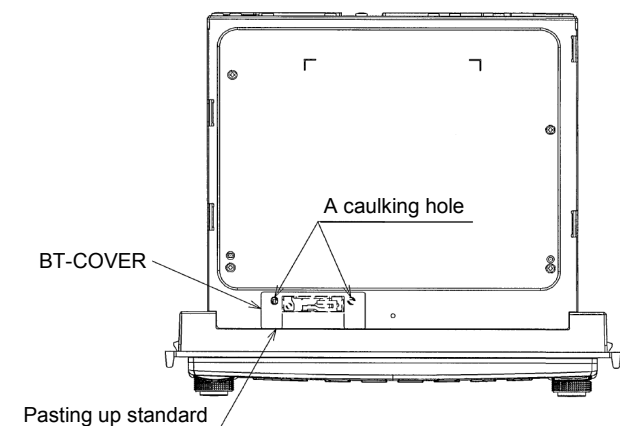


- 2) connect a cable as follows. After placement , fix it in TAPE-DV1.

Arrange a cable between
BT module IC and FFC connector



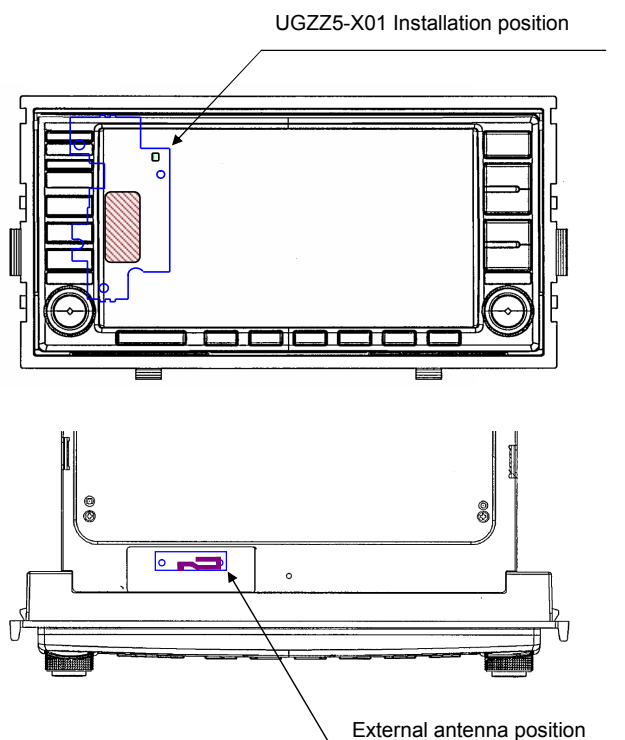
- (3) Install F-SHIELD-CASE-AS to Navigation unit
- (4) Install INNER-ESCUTCHEON-AS to Navigation unit
- (5) Install REAR-COVER-AS to Navigation unit
- (6) FPC cable connection between Navigation unit and 8400US-MONITOR-AS
- (7) Install 8400US-MONITOR-AS to Navigation unit
- (8) Pasting up of B-COVER in Navigation unit



- 1)Pasting up of B-COVER in Navigation unit
- ※Pasting up standard

Lengthwise direction :An end face of A
cross direction :Right and left are equal

- (9) Pasting up of Rating-label in Navigation unit
- (10) Pasting up of Connector-sheet in Navigation unit



3. NOTICE

-Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

-Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

-Please note that this users manual should not be provided to end-users.

-The following sentence has to be displayed on the outside of the device in which the module is installed:
"Contains Transmitter Module FCC ID: SJ2HGZ0036", or "Contains FCC ID: SJ2HGZ0036"

-This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

-The antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.