FnIO G – Series :

GT-3918, GT-3928, GT-3938, GT-3948

GT-3918 (8 Channels 18pt RTB, Differential Current Input)

0~20mA / 4~20mA / -20~20mA, 12bit

GT-3928 (8 Channels 18pt RTB, Differential Voltage Input)

0~10Vdc / 0~5Vdc / -10~10Vdc / -5~5Vdc, 12bit

GT-3938 (8 Channels 18pt RTB, Differential Current Input)

0~20mA / 4~20mA / -20~20mA, 16bit

GT-3948 (8 Channels 18pt RTB, Differential Voltage Input)

0~10Vdc / 0~5Vdc / -10~10Vdc / -5~5Vdc, 16bit

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History

Rev	Pages	Remarks	Date	Editor
1.00			2017/11/23	Seokhyun, Jun
1.01	18-30	Added GT-3938, GT-3948	2018/03/09	Soyeong, Park
1.02		Specification Revision	2018/04/12	Soyeong, Park
1.03	18, 24	Edit 16bit Model_Resolution in Range	2018/06/14	Soyeong, Park
1.04	18, 24	Edit 16bit Model_Resolution in Range	2018/12/17	Soyeong, Park
1.05		Edit Conversion time	2020/04/17	Seokhyun, Jun
1.06	5-6	Wiring Diagram & Common Type	2020/10/14	Suna, Hwang
1.07		Add Module Resolution (14bit)	2022/06/20	Soyeong, Park
1.08	7,13,19 ,26,33	Change Diagram/Edit Certification, Parameter	2023/07/31	Soyeong, Park
1.09	6,12,18 ,25	Edit System Power Dissipation	2025/05/30	Suna, Hwang

1. Environment Specification

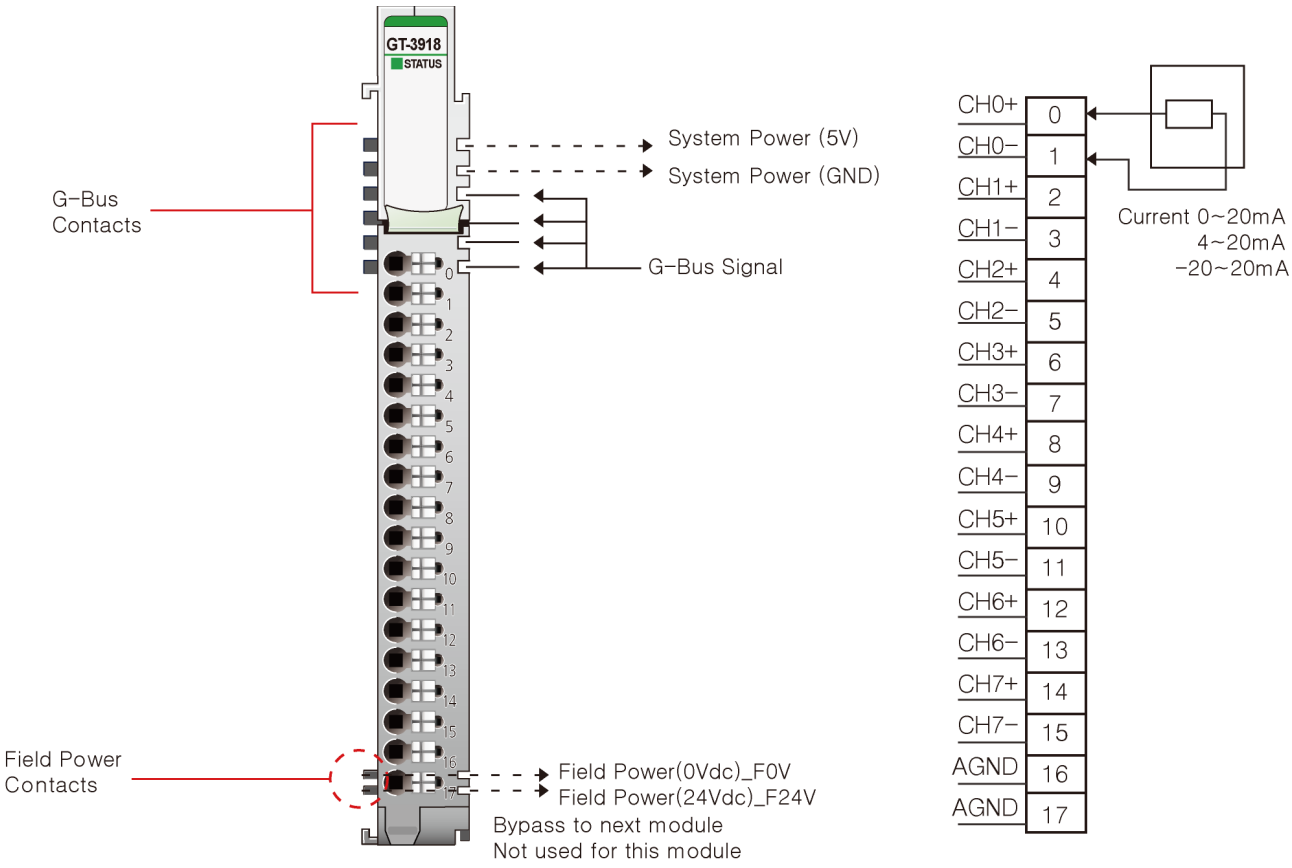
Environmental Specification	
Operation Temperature	-40℃ ~60℃
UL Temperature	-20℃ ~60℃
Non-Operating Temperature	-40℃ ~85℃
Relative Humidity	5% ~ 90% Non-condensing
Mounting	DIN rail
General Specification	
Shock Operating	IEC 60068-2-27
Vibration Resistance	Based on IEC 60068-2-6, 4g
Industrial Emissions	EN61000-6-4/All : 2011
Industrial Immunity	EN 61000-6-2 : 2005
Installation Position	Vertical and horizontal installation is available
Product Certifications	CE, UL

2. GT-3918 (8 Channels, Differential Current Input, 0~20mA / 4~20mA / -20~20mA, 12bit)

2.1. GT-3918 Specification

Items	Specification
Input Specification	
Inputs Per Module	8 Channels Differential, non-isolated between channel
Indicators	1 Green G-Bus status
Resolution in Ranges	12 bits : 4.88uA/bit(0~20mA) 12 bits : 3.91uA/bit(4~20mA) 12 bits : 9.77uA/bit(-20~20mA)
Input Range	0~20mA, 4~20mA, -20~20mA
Data Format	16bits Integer (2' compliment)
Module Error	±0.1% Full Scale @ 25℃ ±0.3% Full Scale @ -40℃, 60℃
Input Impedance	121.5Ω
Conversion Time	2.2msec / All channel
Calibration	Not Required
General Specification	
Power Dissipation	Max. 215mA @ 5Vdc
Isolation	I/O to Logic : Photocoupler Isolation Field power : Not Connected
UL Field Power	Supply Voltage : 24Vdc nominal, Class 2
Field Power	Not used, Field power bypass to next expansion module
Single Wiring	I/O Cable Max. 0.823mm^2(AWG 18)
Weight	63g
Module Size	12mm x 109mm x 70mm
Environment Condition	**Refer to 'Environment Specification'**

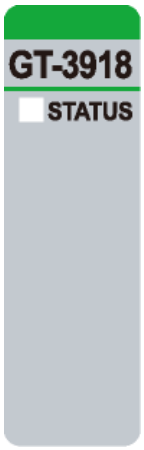
2.2. GT-3918 Wiring Diagram



Pin No.	Signal Description
0	Input Channel 0(+)
1	Input Channel 0(-)
2	Input Channel 1(+)
3	Input Channel 1(-)
4	Input Channel 2(+)
5	Input Channel 2(-)
6	Input Channel 3(+)
7	Input Channel 3(-)
8	Input Channel 4(+)
9	Input Channel 4(-)
10	Input Channel 5(+)
11	Input Channel 5(-)
12	Input Channel 6(+)
13	Input Channel 6(-)
14	Input Channel 7(+)
15	Input Channel 7(-)
16	Input Channel Common(AGND)
17	Input Channel Common(AGND)

2.3. GT-3918 LED Indicator

2.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
0	Status LED	Green

2.3.2. Channel Status LED

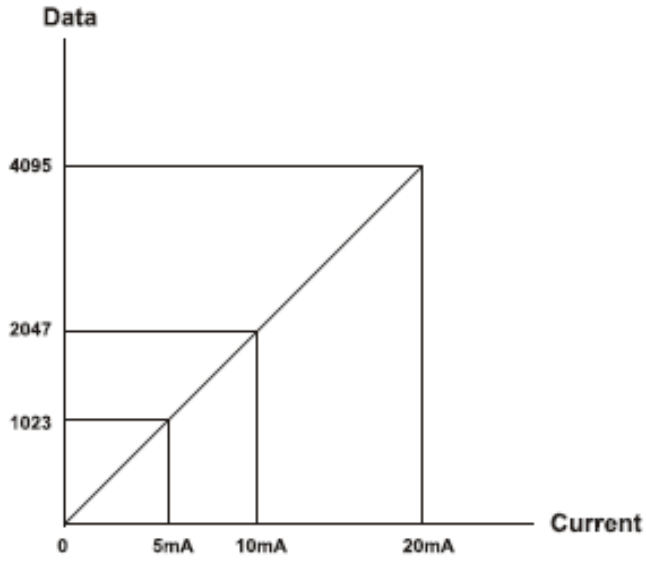
Status	LED	To indicate
G-Bus Status	Off	Disconnection
	Green	Connection

2.4. Data Value / Current

2.4.1. Operating Range

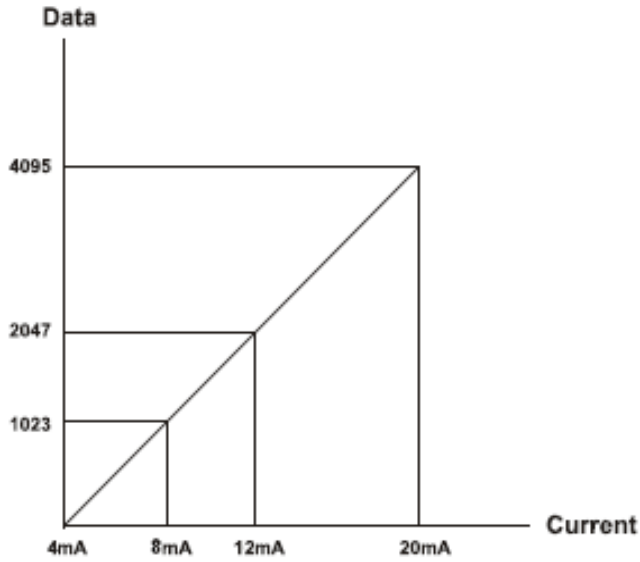
Current Range : 0~20mA

Current	0.0mA	5.0mA	10.0mA	20.0mA
Data(Hex)	H0000	H03FF	H07FF	H0FFF



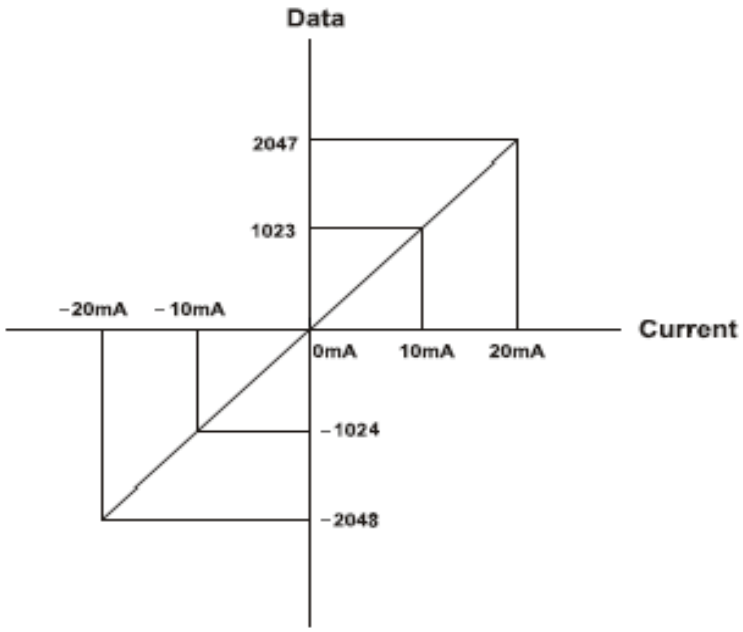
Current Range : 4~20mA

Current	4.0mA	8.0mA	12.0mA	20.0mA
Data(Hex)	H0000	H03FF	H07FF	H0FFF



Current Range : -20~20mA

Current	-20.0mA	-10.0mA	0mA	10.0mA	20.mA
Data(Hex)	HF800	HFC00	H0000	H03FF	H07FF



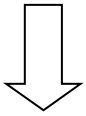
2.4.2. Underrun / Overrun Range

Current	Current Range : 0~20mA		Current Range : 4~20mA		Current Range : -20~20mA	
	<0.0mA	>21.0mA	<3.0mA	>21.0mA	<-21.0mA	>21.0mA
Data(Hex)	-	H7FFF	H8000	H7FFF	H8000	H7FFF

2.5. Mapping Data into the Image Table

- **Input Module Data**

Analog Input Ch0
Analog Input Ch1
Analog Input Ch2
Analog Input Ch3
Analog Input Ch4
Analog Input Ch5
Analog Input Ch6
Analog Input Ch7



- **Input Image Value**

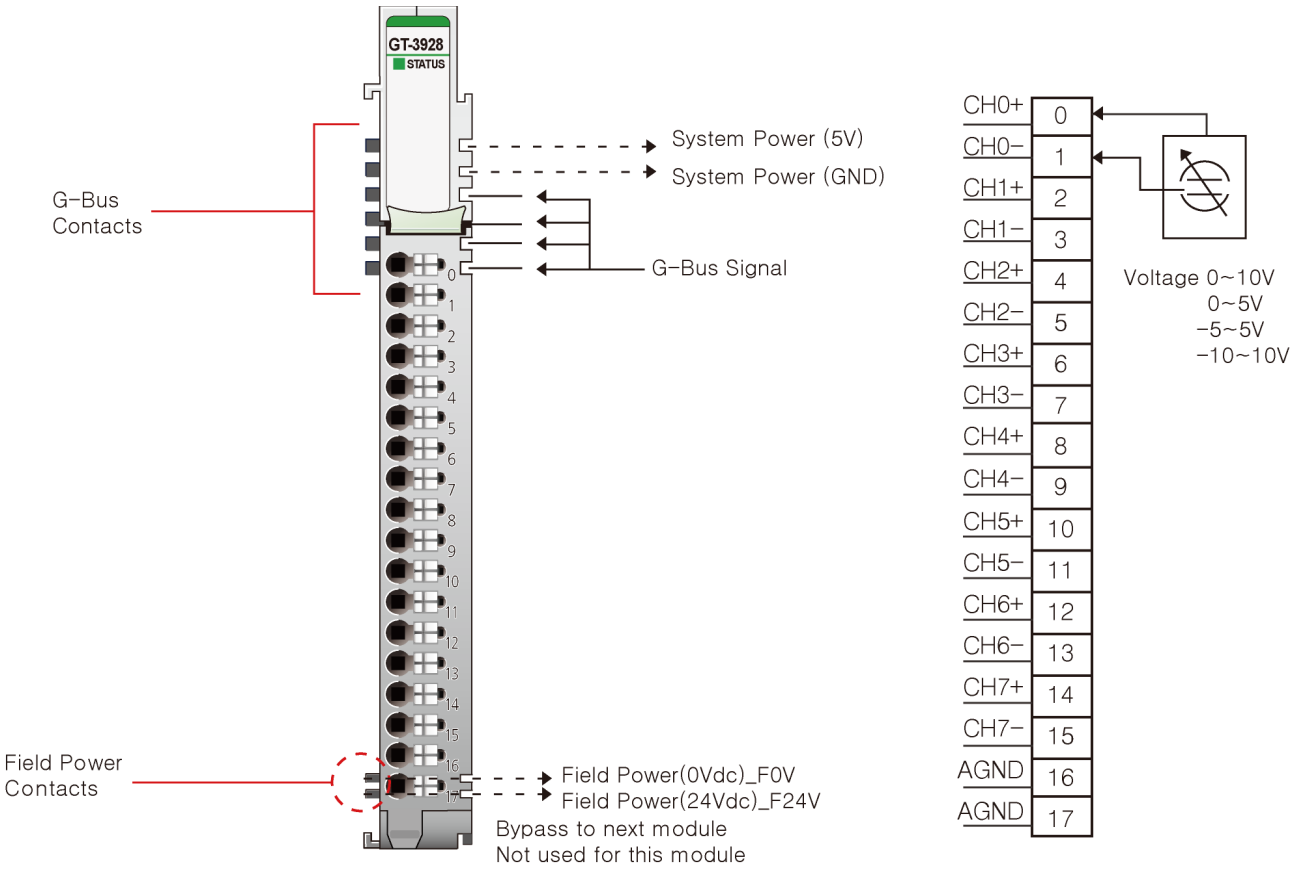
Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Analog Input Ch0 Low byte							
Byte1	Analog Input Ch0 High byte							
Byte2	Analog Input Ch1 Low byte							
Byte3	Analog Input Ch1 High byte							
Byte4	Analog Input Ch2 Low byte							
Byte5	Analog Input Ch2 High byte							
Byte6	Analog Input Ch3 Low byte							
Byte7	Analog Input Ch3 High byte							
Byte8	Analog Input Ch4 Low byte							
Byte9	Analog Input Ch4 High byte							
Byte10	Analog Input Ch5 Low byte							
Byte11	Analog Input Ch5 High byte							
Byte12	Analog Input Ch6 Low byte							
Byte13	Analog Input Ch6 High byte							
Byte14	Analog Input Ch7 Low byte							
Byte15	Analog Input Ch7 High byte							

3. GT-3928 (8 Channels, Differential Voltage Input, 0~10Vdc / 0~5Vdc / -10~10Vdc / -5~5Vdc, 12bit)

3.1. GT-3928 Specification

Items	Specification
Input Specification	
Inputs Per Module	8 Channels Differential, non-isolated between channel
Indicators	1 Green G-Bus status
Resolution in Ranges	12 bits : 2.44mV/Bit(0~10V) 12 bits : 1.22mV/Bit(0~5V) 12 bits : 4.88mV/Bit(-10~10V) 12 bits : 2.44mV/Bit(-5~5V)
Input Range	0~10Vdc, 0~5Vdc, -10~10Vdc, -5~5Vdc
Data Format	16bits Integer (2' compliment)
Module Error	±0.1% Full Scale @ 25°C ±0.3% Full Scale @ -40°C, 60°C
Input Impedance	667kΩ
Conversion Time	2msec / All channel
Calibration	Not Required
General Specification	
Power Dissipation	Max. 215mA @ 5.0Vdc
Isolation	I/O to Logic : Photocoupler Isolation Field power : Not Connected
UL Field Power	Supply Voltage : 24Vdc nominal, Class 2
Field Power	Not used Field power bypass to next expansion module
Single Wiring	I/O Cable Max. 0.823mm^2(AWG 18)
Weight	63g
Module Size	12mm x 109mm x 70mm
Environment Condition	**Refer to 'Environment Specification'**

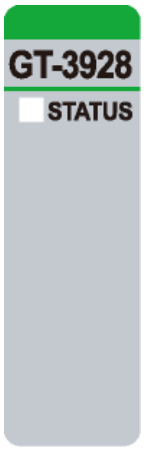
3.2. GT-3928 Wiring Diagram



Pin No.	Signal Description
0	Input Channel 0(+)
1	Input Channel 0(-)
2	Input Channel 1(+)
3	Input Channel 1(-)
4	Input Channel 2(+)
5	Input Channel 2(-)
6	Input Channel 3(+)
7	Input Channel 3(-)
8	Input Channel 4(+)
9	Input Channel 4(-)
10	Input Channel 5(+)
11	Input Channel 5(-)
12	Input Channel 6(+)
13	Input Channel 6(-)
14	Input Channel 7(+)
15	Input Channel 7(-)
16	Input Channel Common(AGND)
17	Input Channel Common(AGND)

3.3. GT-3928 LED Indicator

3.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
0	Status LED	Green

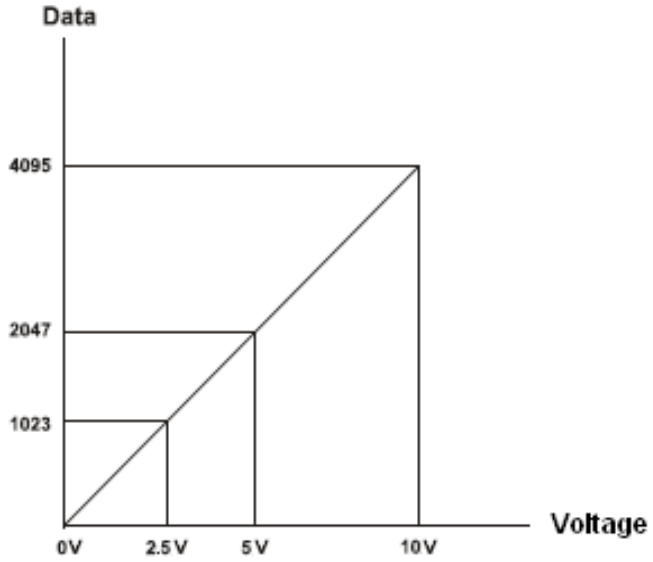
3.3.2. Channel Status LED

Status	LED	To indicate
G-Bus Status	Off	Disconnection
	Green	Connection

3.4. Data Value / Voltage

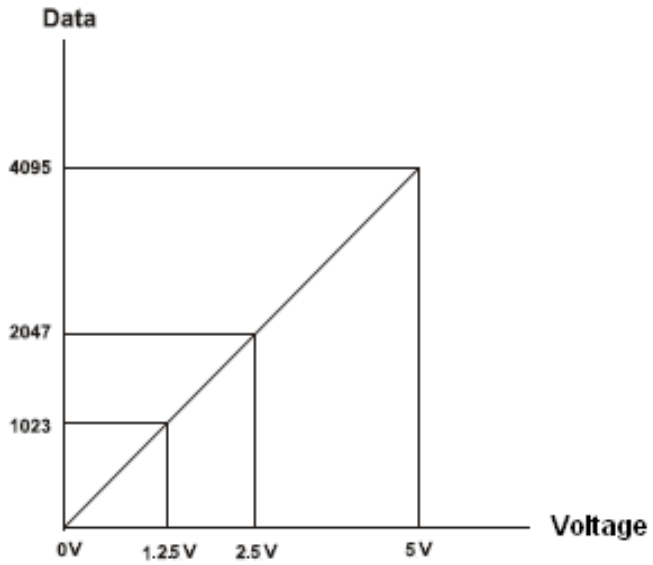
Voltage Range : 0~10V

Voltage	0.0V	2.5V	5.0V	10.0V
Data(Hex)	H0000	H03FF	H07FF	H0FFF



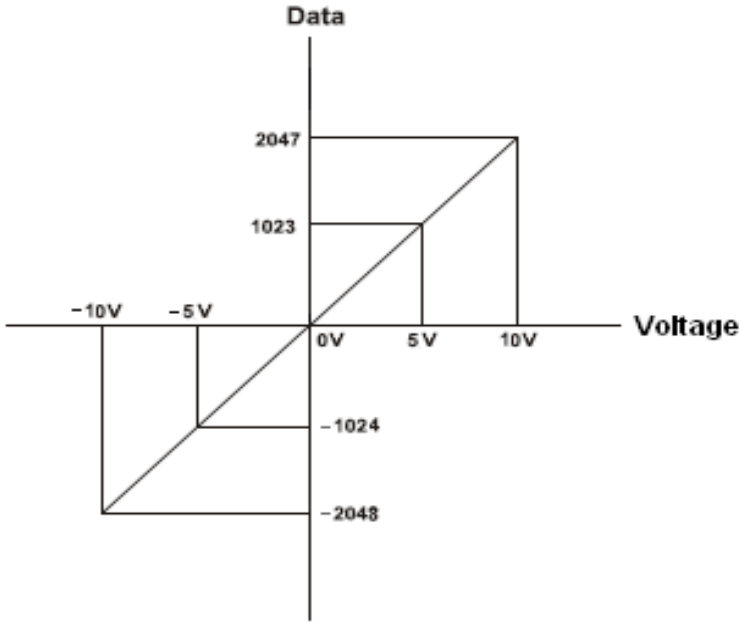
Voltage Range : 0~5V

Voltage	0.0V	1.25V	2.5V	5.0V
Data(Hex)	H0000	H03FF	H07FF	H0FFF



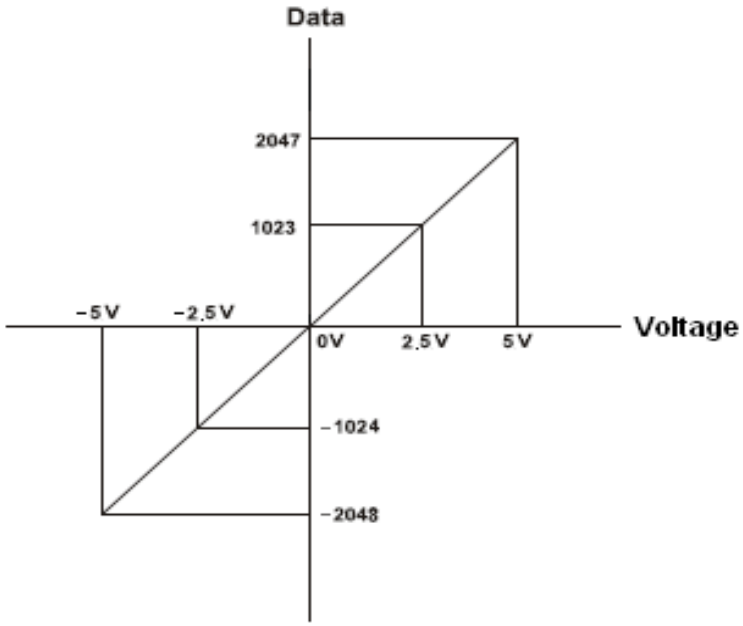
Voltage Range : -10~10V

Voltage	-10.0V	-5.0V	0.0V	5.0V	10.0V
Data(Hex)	HF800	HFC00	H0000	H03FF	H07FF



Voltage Range : -5~5V

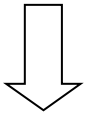
Voltage	-5.0V	-2.5V	0.0V	2.5V	5.0V
Data(Hex)	HF800	HFC00	H0000	H03FF	H07FF



3.5. Mapping Data into the Image Table

- **Input Module Data**

Analog Input Ch0
Analog Input Ch1
Analog Input Ch2
Analog Input Ch3
Analog Input Ch4
Analog Input Ch5
Analog Input Ch6
Analog Input Ch7



- **Input Image Value**

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Analog Input Ch0 Low byte							
Byte1	Analog Input Ch0 High byte							
Byte2	Analog Input Ch1 Low byte							
Byte3	Analog Input Ch1 High byte							
Byte4	Analog Input Ch2 Low byte							
Byte5	Analog Input Ch2 High byte							
Byte6	Analog Input Ch3 Low byte							
Byte7	Analog Input Ch3 High byte							
Byte8	Analog Input Ch4 Low byte							
Byte9	Analog Input Ch4 High byte							
Byte10	Analog Input Ch5 Low byte							
Byte11	Analog Input Ch5 High byte							
Byte12	Analog Input Ch6 Low byte							
Byte13	Analog Input Ch6 High byte							
Byte14	Analog Input Ch7 Low byte							
Byte15	Analog Input Ch7 High byte							

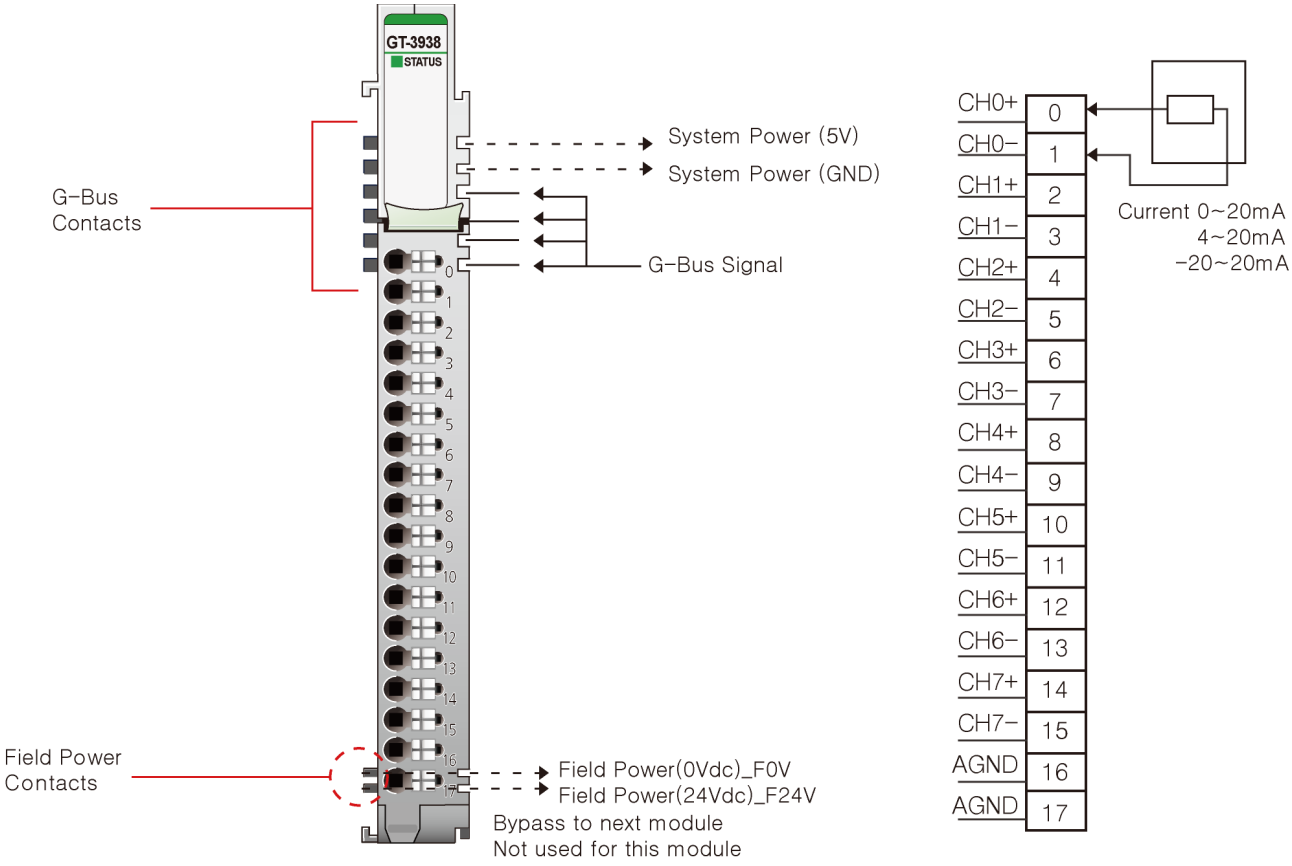
4. GT-3938 (8 Channels, Differential Current Input, 0~20mA / 4~20mA / -20~20mA, 14bit/16bit)

4.1. GT-3938 Specification

Items	Specification
Input Specification	
Inputs Per Module	8 Channels Differential, non-isolated between channel
Indicators	1 Green G-Bus status
Resolution in Ranges*	14 bits : 1.22uA/Bit(0~20mA) 14 bits : 0.98uA/Bit(4~20mA) 14 bits : 2.44uA/Bit(-20~20mA) 16 bit (Include Sign) 15 bits : 0.61uA/Bit(0~20mA) 15 bits : 0.49uA/Bit(4~20mA) 15bit (Include Sign) 15 bits : 1.22uA/Bit(-20~20mA)
Input Range	0~20mA, 4~20mA, -20~20mA
Data Format	16bits Integer (2' compliment)
Module Error	±0.1% Full Scale @ 25℃ ±0.3% Full Scale @ -40℃, 60℃
Input Impedance	121.5Ω
Conversion Time	2.2msec / All channel
Calibration	Not Required
General Specification	
Power Dissipation	Max. 215mA @ 5Vdc
Isolation	I/O to Logic : Photocoupler Isolation Field power : Not Connected
UL Field Power	Supply Voltage : 24Vdc nominal, Class 2
Field Power	Not used, Field power bypass to next expansion module
Single Wiring	I/O Cable Max. 0.823mm^2(AWG 18)
Weight	63g
Module Size	12mm x 109mm x 70mm
Environment Condition	**Refer to 'Environment Specification'**

*Refer to 6. Parameter Data

4.2. GT-3938 Wiring Diagram



Pin No.	Signal Description
0	Input Channel 0(+)
1	Input Channel 0(-)
2	Input Channel 1(+)
3	Input Channel 1(-)
4	Input Channel 2(+)
5	Input Channel 2(-)
6	Input Channel 3(+)
7	Input Channel 3(-)
8	Input Channel 4(+)
9	Input Channel 4(-)
10	Input Channel 5(+)
11	Input Channel 5(-)
12	Input Channel 6(+)
13	Input Channel 6(-)
14	Input Channel 7(+)
15	Input Channel 7(-)
16	Input Channel Common(AGND)
17	Input Channel Common(AGND)

4.3. GT-3938 LED Indicator

4.3.1. LED Indicator

LED No.	LED Function / Description	LED Color
0	Status LED	Green

4.3.2. Channel Status LED

Status	LED	To indicate
G-Bus Status	Off	Disconnection
	Green	Connection

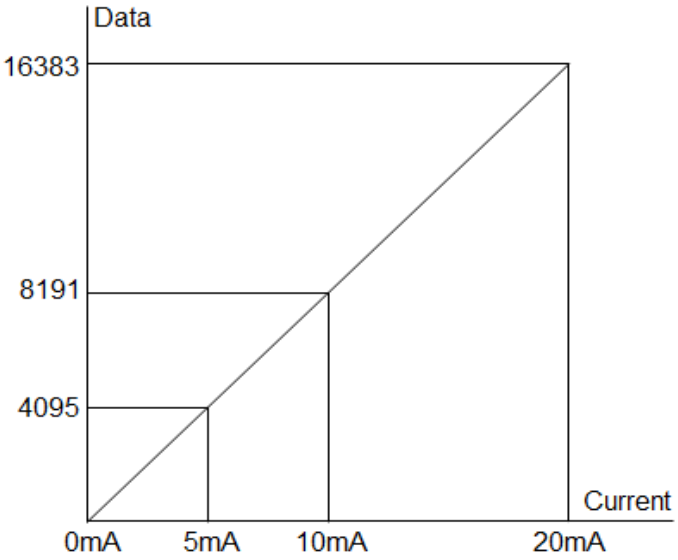
4.4. Data Value / Current

4.4.1. Operating Range

Current Range : 0~20mA

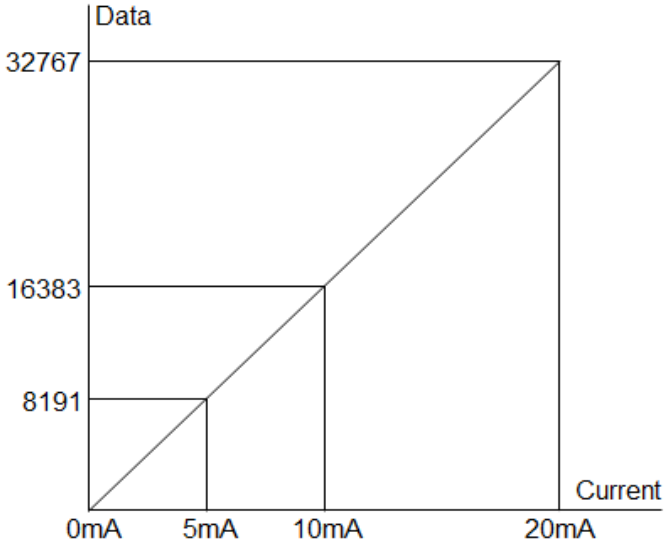
(14bit)

Current	0.0mA	5.0mA	10.0mA	20.0mA
Data(Hex)	H0000	H0FFF	H1FFF	H3FFF



(16bit)

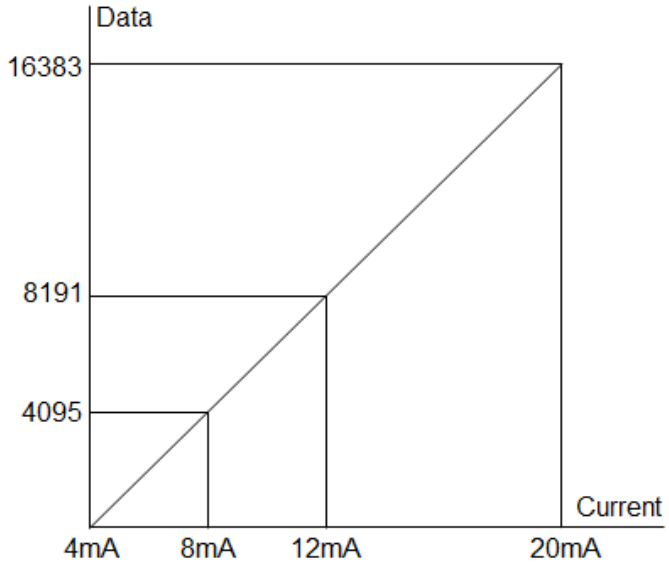
Current	0.0mA	5.0mA	10.0mA	20.0mA
Data(Hex)	H0000	H1FFF	H3FFF	H7FFF



Current Range : 4~20mA

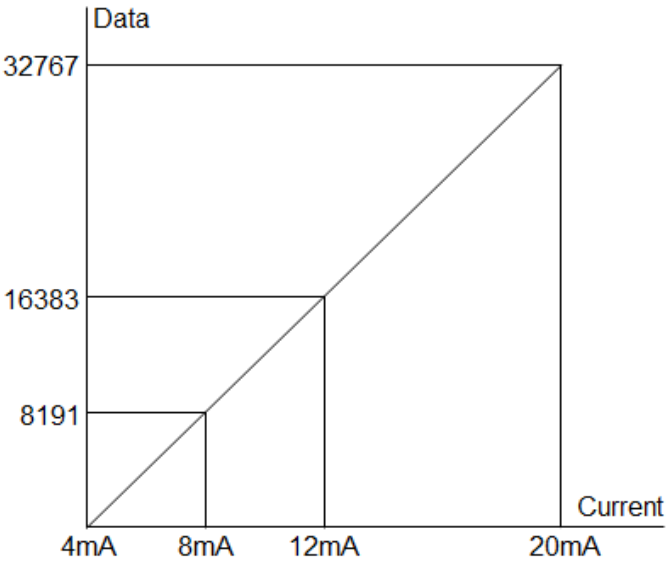
(14bit)

Current	4.0mA	8.0mA	12.0mA	20.0mA
Data(Hex)	H0000	H0FFF	H1FFF	H3FFF



(16bit)

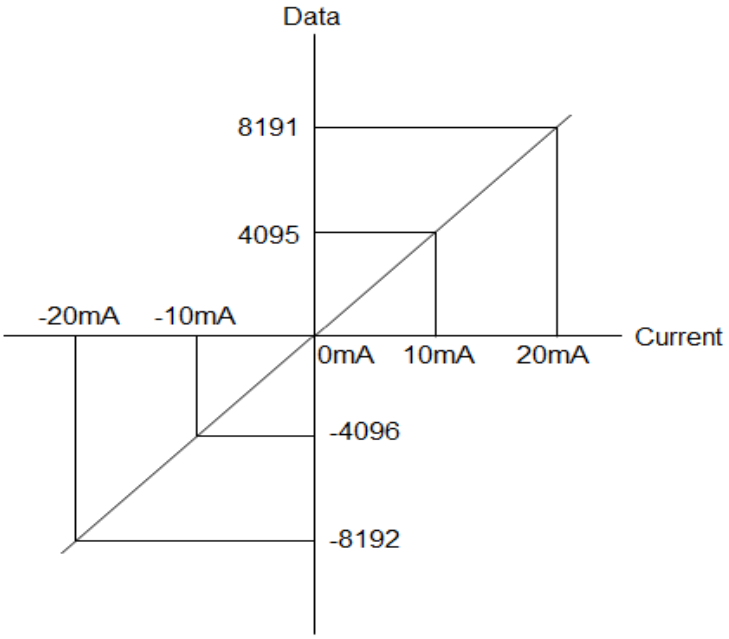
Current	4.0mA	8.0mA	12.0mA	20.0mA
Data(Hex)	H0000	H1FFF	H3FFF	H7FFF



Current Range : -20~20mA

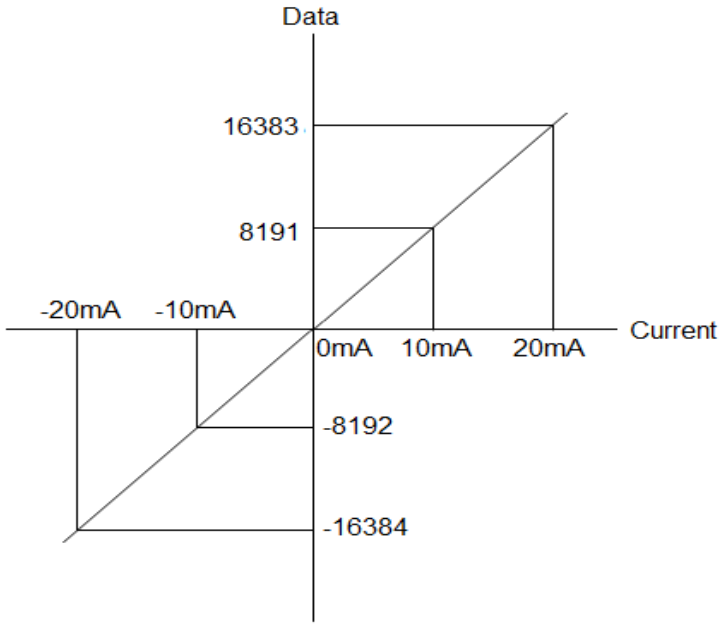
(14bit)

Current	-20.0mA	-10.0mA	0.0mA	10.0mA	20.0mA
Data(Hex)	HE000	HF000	H0000	H0FFF	H1FFF



(16bit)

Current	-20.0mA	-10.0mA	0.0mA	10.0mA	20.0mA
Data(Hex)	HC000	HE000	H0000	H1FFF	H3FFF



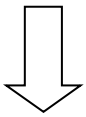
4.4.2. Underrun / Overrun Range

Current	Current Range : 0~20mA		Current Range : 4~20mA		Current Range : -20~20mA	
	<0.0mA	>21.0mA	<3.0mA	>21.0mA	<-21.0mA	>21.0mA
Data(Hex)	-	H7FFF	H8000	H7FFF	H8000	H7FFF

4.5. Mapping Data into the Image Table

- **Input Module Data**

Analog Input Ch0
Analog Input Ch1
Analog Input Ch2
Analog Input Ch3
Analog Input Ch4
Analog Input Ch5
Analog Input Ch6
Analog Input Ch7



- **Input Image Value**

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Analog Input Ch0 Low byte							
Byte1	Analog Input Ch0 High byte							
Byte2	Analog Input Ch1 Low byte							
Byte3	Analog Input Ch1 High byte							
Byte4	Analog Input Ch2 Low byte							
Byte5	Analog Input Ch2 High byte							
Byte6	Analog Input Ch3 Low byte							
Byte7	Analog Input Ch3 High byte							
Byte8	Analog Input Ch4 Low byte							
Byte9	Analog Input Ch4 High byte							
Byte10	Analog Input Ch5 Low byte							
Byte11	Analog Input Ch5 High byte							
Byte12	Analog Input Ch6 Low byte							
Byte13	Analog Input Ch6 High byte							
Byte14	Analog Input Ch7 Low byte							
Byte15	Analog Input Ch7 High byte							

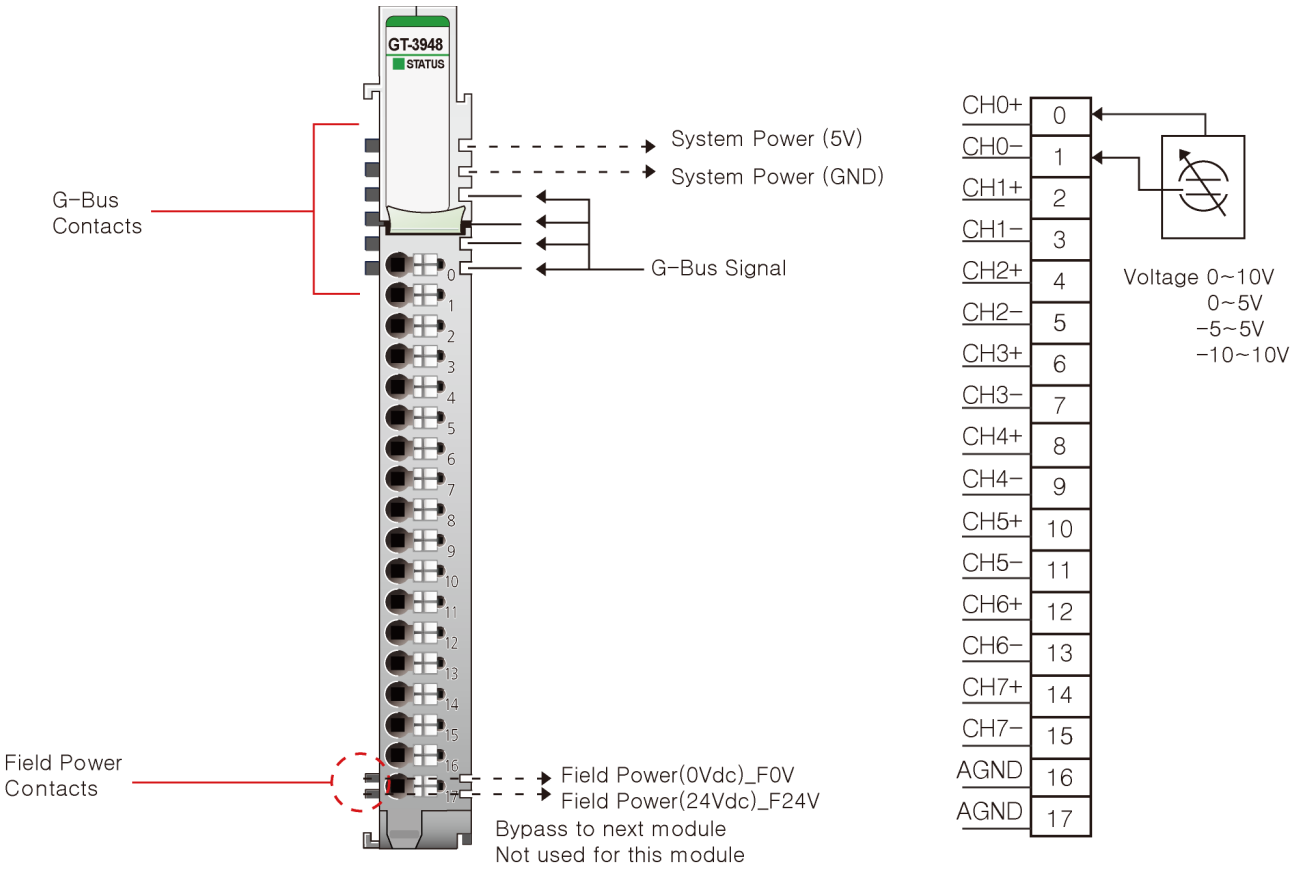
5. GT-3948 (8 Channels, Differential Voltage Input, 0~10Vdc / 0~5Vdc / -10~10Vdc / -5~5Vdc, 14bit/16bit)

5.1. GT-3948 Specification

Items	Specification
Input Specification	
Inputs Per Module	8 Channels Differential, non-isolated between channel
Indicators	1 Green G-Bus status
Resolution in Ranges*	14 bits : 0.61mV/bit(0~10V) 14 bits : 0.31mV/bit(0~5V) 14 bits : 1.22mV/bit(-10~10V) 14 bits : 0.61mV/bit(-5~5V) 16 bit (Include Sign) 15 bits : 0.31mV/Bit(0~10V) 15 bits : 0.15mV/Bit(0~5V) 15 bit (Include Sign) 15 bits : 0.61mV/Bit(-10~10V) 15 bits : 0.31mV/Bit(-5~5V)
Input Range	0~10Vdc, 0~5Vdc, -10~10Vdc, -5~5Vdc
Data Format	16bits Integer (2' compliment)
Module Error	±0.1% Full Scale @ 25°C ±0.3% Full Scale @ -40°C, 60°C
Input Impedance	667kΩ
Conversion Time	2msec / All channel
Calibration	Not Required
General Specification	
Power Dissipation	Max. 215mA @ 5.0Vdc
Isolation	I/O to Logic : Photocoupler Isolation Field power : Not Connected
UL Field Power	Supply Voltage : 24Vdc nominal, Class 2
Field Power	Not used Field power bypass to next expansion module
Single Wiring	I/O Cable Max. 0.823mm^2(AWG 18)
Weight	63g
Module Size	12mm x 109mm x 70mm
Environment Condition	**Refer to 'Environment Specification'**

*Refer to 6. Parameter Data

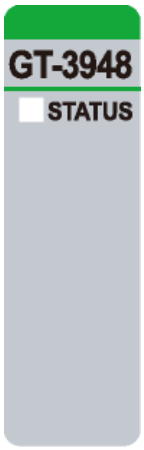
5.2. GT-3948 Wiring Diagram



Pin No.	Signal Description
0	Input Channel 0(+)
1	Input Channel 0(-)
2	Input Channel 1(+)
3	Input Channel 1(-)
4	Input Channel 2(+)
5	Input Channel 2(-)
6	Input Channel 3(+)
7	Input Channel 3(-)
8	Input Channel 4(+)
9	Input Channel 4(-)
10	Input Channel 5(+)
11	Input Channel 5(-)
12	Input Channel 6(+)
13	Input Channel 6(-)
14	Input Channel 7(+)
15	Input Channel 7(-)
16	Input Channel Common(AGND)
17	Input Channel Common(AGND)

5.3. GT-3948 LED Indicator

5.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
0	Status LED	Green

5.3.2. Channel Status LED

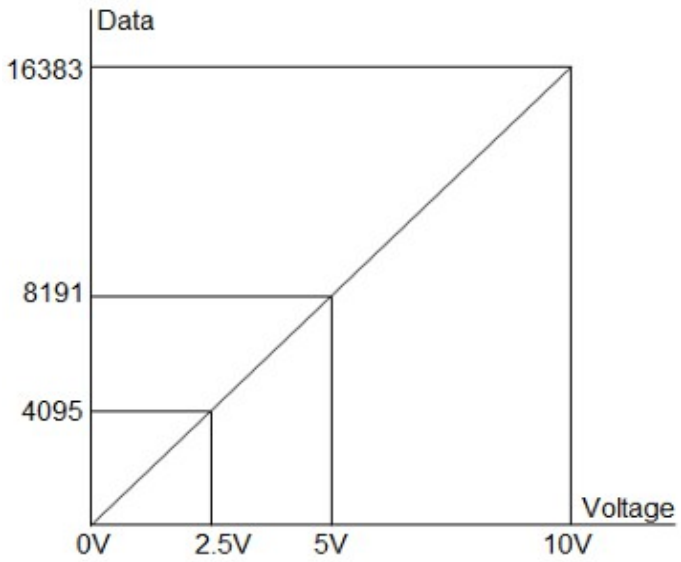
Status	LED	To indicate
G-Bus Status	Off	Disconnection
	Green	Connection

5.4. Data Value / Voltage

Voltage Range : 0~10V

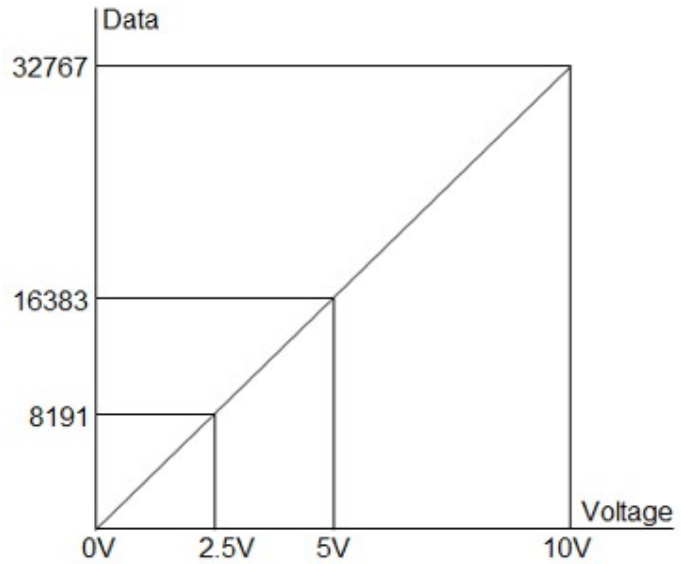
(14bit)

Voltage	0.0V	2.5V	5.0V	10.0V
Data(Hex)	H0000	H0FFF	H1FFF	H3FFF



(16bit)

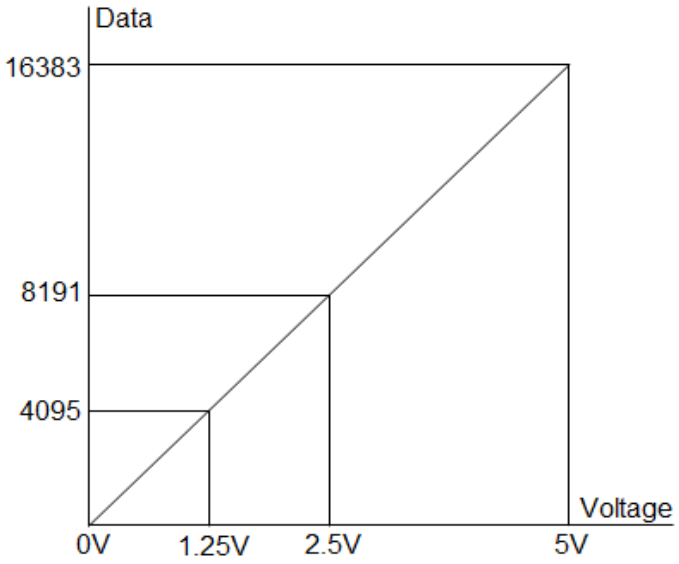
Voltage	0.0V	2.5V	5.0V	10.0V
Data(Hex)	H0000	H1FFF	H3FFF	H7FFF



Voltage Range : 0~5V

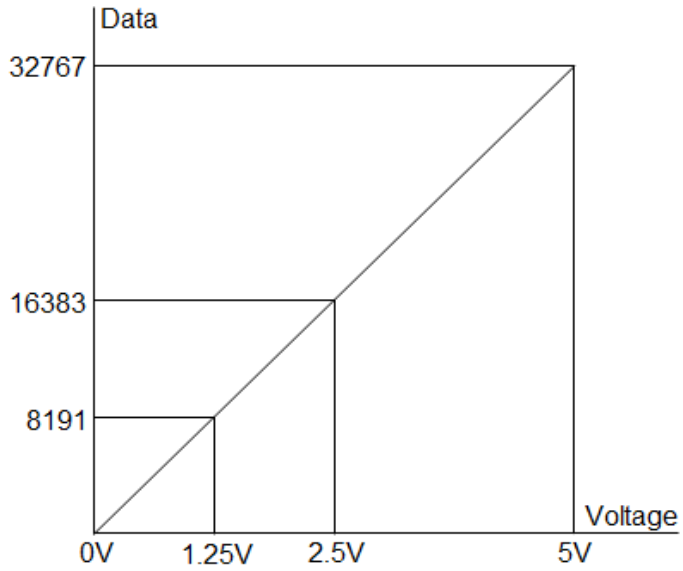
(14bit)

Voltage	0.0V	1.25V	2.5V	5.0V
Data(Hex)	H0000	H0FFF	H1FFF	H3FFF



(16bit)

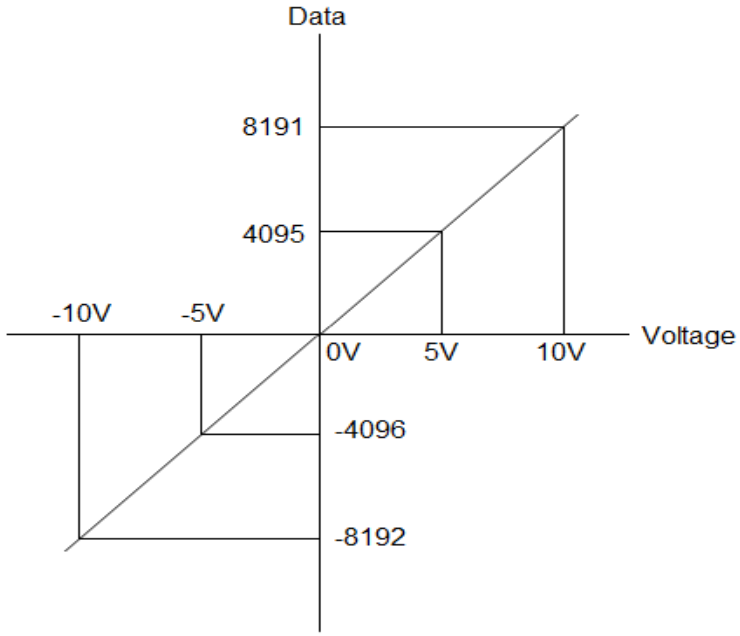
Voltage	0.0V	1.25V	2.5V	5.0V
Data(Hex)	H0000	H1FFF	H3FFF	H7FFF



Voltage Range : -10~10V

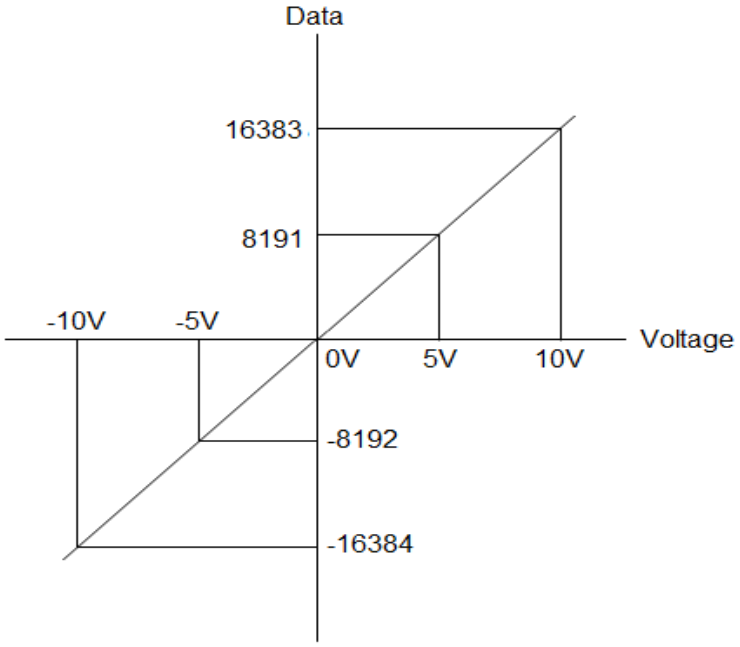
(14bit)

Voltage	-10.0V	-5.0V	0.0V	5.0V	10.0V
Data(Hex)	HE000	HF000	H0000	H0FFF	H1FFF



(16bit)

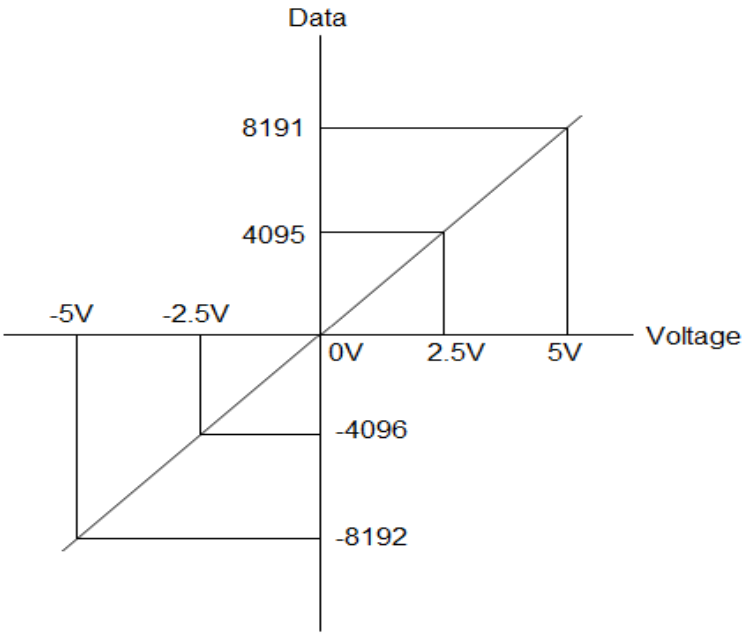
Voltage	-10.0V	-5.0V	0.0V	5.0V	10.0V
Data(Hex)	HC000	HE000	H0000	H1FFF	H3FFF



Voltage Range : -5~5V

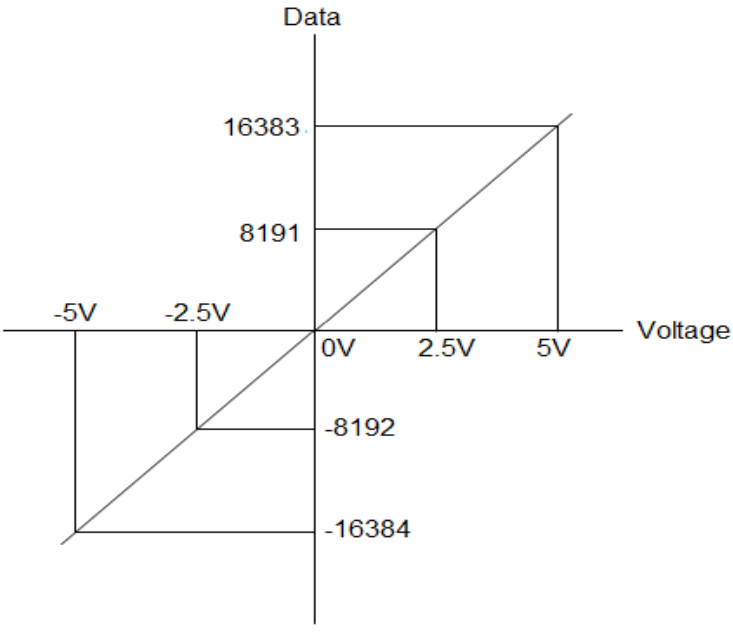
(14bit)

Voltage	-5.0V	-2.5V	0.0V	2.5V	5.0V
Data(Hex)	HE000	HF000	H0000	H0FFF	H1FFF



(16bit)

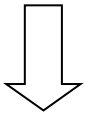
Voltage	-5.0V	-2.5V	0.0V	2.5V	5.0V
Data(Hex)	HC000	HE000	H0000	H1FFF	H3FFF



5.5. Mapping Data into the Image Table

- **Input Module Data**

Analog Input Ch0
Analog Input Ch1
Analog Input Ch2
Analog Input Ch3
Analog Input Ch4
Analog Input Ch5
Analog Input Ch6
Analog Input Ch7



- **Input Image Value**

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Analog Input Ch0 Low byte							
Byte1	Analog Input Ch0 High byte							
Byte2	Analog Input Ch1 Low byte							
Byte3	Analog Input Ch1 High byte							
Byte4	Analog Input Ch2 Low byte							
Byte5	Analog Input Ch2 High byte							
Byte6	Analog Input Ch3 Low byte							
Byte7	Analog Input Ch3 High byte							
Byte8	Analog Input Ch4 Low byte							
Byte9	Analog Input Ch4 High byte							
Byte10	Analog Input Ch5 Low byte							
Byte11	Analog Input Ch5 High byte							
Byte12	Analog Input Ch6 Low byte							
Byte13	Analog Input Ch6 High byte							
Byte14	Analog Input Ch7 Low byte							
Byte15	Analog Input Ch7 High byte							

6. Parameter Data

- **Valid Parameter length: 10 Bytes**
- **Parameter Data**

6.1. GT-3918

Bit No	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte0	Ch#0 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte1	Ch#1 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte2	Ch#2 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte3	Ch#3 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte4	Ch#4 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte5	Ch#5 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte6	Ch#6 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte7	Ch#7 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte8	Filter Time(H00 : Default Filter(20), H01 : Fastest ~ H3E : Slowest)							
Byte9	Reserved							

6.2. GT-3928

Bit No	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte0	Ch#0 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte1	Ch#1 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte2	Ch#2 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte3	Ch#3 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte4	Ch#4 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte5	Ch#5 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte6	Ch#6 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte7	Ch#7 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte8	Filter Time(H00 : Default Filter(20), H01 : Fastest ~ H3E : Slowest)							
Byte9	Reserved							

6.3. GT-3938

Bit No	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte0	Ch#0 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte1	Ch#1 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte2	Ch#2 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte3	Ch#3 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte4	Ch#4 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte5	Ch#5 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte6	Ch#6 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte7	Ch#7 Command(H00 : 0~20mA, H01 : 4~20mA, H02 : -20~20mA)							
Byte8	Filter Time(H00 : Default Filter(20), H01 : Fastest ~ H3E : Slowest)							
Byte9	Resolution Selection*	Reserved						

6.4. GT-3948

Bit No	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte0	Ch#0 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte1	Ch#1 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte2	Ch#2 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte3	Ch#3 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte4	Ch#4 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte5	Ch#5 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte6	Ch#6 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte7	Ch#7 Command(H00 : 0~10V, H01 : 0~5V, H02 : -10~10V, H03 : -5~5V)							
Byte8	Filter Time(H00 : Default Filter(20), H01 : Fastest ~ H3E : Slowest)							
Byte9	Resolution Selection*	Reserved						

*Resolution Selection : Resolution for Module (0 : 16bit / 1 : 14bit) (Default (0) : 16bit)