

# Yaskawa SGDH Servo Amplifier

## Information Sheet for Crimson v2.0

### Compatible Devices

- Yaskawa SGDH Servo Amplifiers

### Verified Device

- SGDH – 0 1 BE

### Accessible Data

Mnemonic	Parameter	Function
W	Parameter Address	Read / Write

Programmer enters the desired parameter number as a hexadecimal value.

The following table is an example of the contents of various parameter areas. The programmer is responsible for ensuring valid addresses are selected.

Address	Contents
0000-0FFF	Parameter area
1000-1FFF	Temporary parameter area
2000-2FFF	Operation area
3000-3FFF	Trace area
4000-4FFF	
5000-5FFF	Trace control area
6000-6FFF	
7000-7FFF	
8000-8FFF	Monitor area
9000-9FFF	
A000-AFFF	
B000-BFFF	
C000-CFFF	
D000-DFFF	
E000-EFFF	
F000-FFFF	

**NOTE:** String data is not supported. Incorrect values may result if parameters using string data are accessed.

### Cable Information

<b>G3 RS232 Port</b>	<b>SGDH CN3 232 Port</b>
TxD - 5	RxD - 4
RxD - 2	TxD - 2
0V - 3 and/or 4	14

<b>G3 RS422 Port</b>	<b>SGDH CN3 422 Port</b>
TxA - 2	*RxD - 4
TxB - 1	RxD - 3
RxA - 3	*TxD - 2
RxB - 4	TxD - 1
0V - 6	14

NOTE: The RS422 connection could not be verified on the unit tested. The above connections work correctly for CN6 on the JUSP-NS600, which has the same pin-out.

<b>G3 RS485 Port</b>	<b>SGDH CN3 485 Port</b>
TxA - 2 + RxA - 3	*TxD - 2 + *RxD - 4
TxB - 1 + RxB - 4	TxD - 1 + RxD - 3
0V - 6	14

**NOTE:** For a single axis RS485 connection, connect 6 to 7 on the SGDH CN3 port. Terminate multi-axis connections as recommended by the manufacturer.