

Harness for Yaskawa Electric Σ II (SGDM) Series

▼ Main Circuit Harness Connection Diagram

SVPY-SGDM1	SVPY-SGDM2	SVPY-SGDM3	SVPY-SGDM4																																																																																																
Product Page O2069	Product Page O2069	Product Page O2069	Product Page O2069																																																																																																
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Harness Selection Method

Square Harnesses

Coaxial Harnesses

Round Harnesses

Nylon Harnesses

Custom Harnesses

Harness Data

Harness for Yaskawa Electric Σ II (SGDM) Series

▼ Encoder Harness Connection Diagram List

SVEY-SGDM1

Product Page [O2071](#)

Amplifier Side (HA) Motor Side (HM)

Signal Name	Wire Color	Pin Number
PG 5V	Red	1
PG 0V	Black	2
BAT (+)	Orange	3
BAT (-)	White / Orange	4
PS	Light Blue	5
/PS	White / Light Blue	6
	Shield	Shell

Pin Number	Wire Color	Signal Name
1	Red	PG 5V
2	Black	PG 0V
3	Orange	BAT (+)
4	White / Orange	BAT (-)
5	Light Blue	PS
6	White / Light Blue	/PS
	Shell	Shield

SVEY-SGDM2

Product Page [O2071](#)

Amplifier Side (HA) Motor Side (HM)

Signal Name	Wire Color	Pin Number
PS	Blue	5
/PS	White / Blue	6
PG 0V	Black	2
PG 5V	Red	1
BAT (-)	White / Orange	4
BAT (+)	Orange	3
FG	Shield	Shell

Pin Number	Wire Color	Signal Name
C	Blue	PS
D	White / Blue	/PS
G	Black	PG 0V
H	Red	PG 5V
S	White / Orange	BAT (-)
T	Orange	BAT (+)
J	Shield	

SVEY-SGDM1L

Product Page [O2071](#)

Amplifier Side (HA) Motor Side (HM)

Signal Name	Wire Color	Pin Number
PG 5V	Red	1
PG 0V	Black	2
BAT (+)	Orange	3
BAT (-)	White / Orange	4
PS	Light Blue	5
/PS	White / Light Blue	6
	Shield	Shell

Pin Number	Wire Color	Signal Name
1	Red	PG 5V
2	Black	PG 0V
3	Orange	BAT (+)
4	White / Orange	BAT (-)
5	Light Blue	PS
6	White / Light Blue	/PS
	Shell	Shield

SVEY-SGDM2L

Product Page [O2071](#)

Amplifier Side (HA) Motor Side (HM)

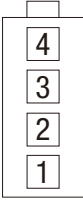
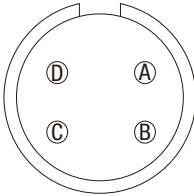
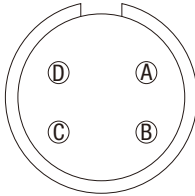
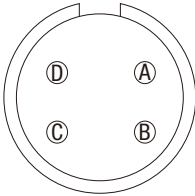
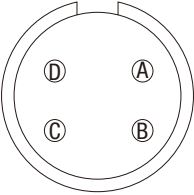
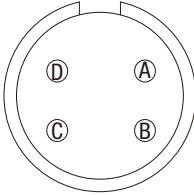
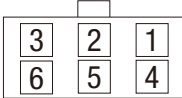
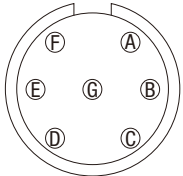
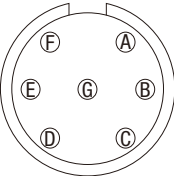
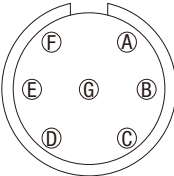
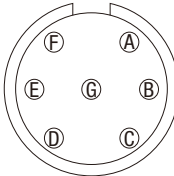
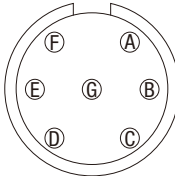
Signal Name	Wire Color	Pin Number
PS	Blue	5
/PS	White / Blue	6
PG 0V	Black	2
PG 5V	Red	1
BAT (-)	White / Orange	4
BAT (+)	Orange	3
FG	Shield	Shell

Pin Number	Wire Color	Signal Name
C	Blue	PS
D	White / Blue	/PS
G	Black	PG 0V
H	Red	PG 5V
S	White / Orange	BAT (-)
T	Orange	BAT (+)
J	Shield	



Harness for Yaskawa Electric ΣII (SGDH) Series

▼ Main Circuit Harness Connection Diagram

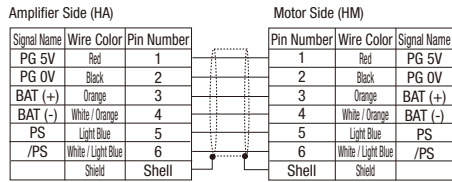
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Harness for Yaskawa Electric Σ II (SGDH) Series

▼ Encoder Harness Connection Diagram List

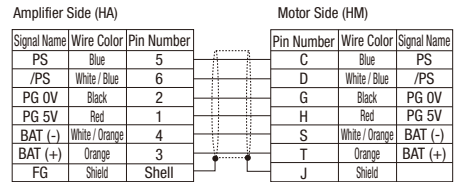
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Product Page [D2075](#)



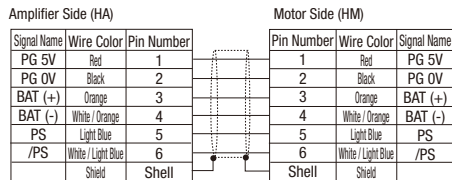
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Product Page [D2075](#)



SVEY-SGDH1L

Product Page [D2075](#)



SVEY-SGDH2L

Product Page [D2075](#)

