

Germany

WAGO Kontakttechnik
Minden
Tel. ++0571/887-443
Fax ++0571/887-541

Austria

WAGO Kontakttechnik
GmbH Wien
Tel. ++43/1/615 07 80
Fax ++43/1/615 07 75

Belgium

WAGO Kontakttechnik
Zaventem
Tel. ++32/2/7 17 90 90
Fax ++32/2/7 17 90 99

China

WAGO ELECTRONIC Co. Ltd.
Tianjin
Tel. ++86/22/82125854/64/74
Fax ++86/22/82125984

England

WAGO, Ltd.
Rugby
Tel. ++44/1788/568008
Fax ++44/1788/568050

France

WAGO CONTACT SA.
Paris
Tel. ++33/148172590
Fax ++33/148632520

Italy

WAGO ELETTRONICA SRL
San Lazzaro di Savena (BO)
Tel. ++39/051/625-91-25
Fax ++39/051/625-91-27

Japan

WAGO Co. of JAPAN Ltd.
Tokyo
Tel. ++81/3/3254/8881
Fax ++81/3/3254/8885

Poland

WAGO ELWAG sp. z o. o.
Wroclaw
Tel. ++48/71/33-66-626
Fax ++48/71/33-60-952

Singapore

WAGO Electronic Pte. Ltd.
Singapur
Tel. ++65/2866776
Fax ++65/2842425

Switzerland

WAGO CONTACT SA
Domdidier
Tel. ++65/2866776
Fax ++65/2842425

Mexico

WAGO Corporation
Tel. 001-800-309-5975
+ 52-(55)-26-44-69-16
Fax + 52-(55)-26-44-69-15

Canada

WAGO Corporation
Tel. 800 / DIN Rail (346-7245)
Fax 262 / 255-3232

WAGO Corporation
N120 W19129 Freistadt Road
Germantown, Wisconsin 53022
Telephone: 800 / DIN Rail (346-7245)
Fax: 262 / 255-3232
info@wago.com
www.wago.us





• A-B compatible interface modules

- Connect with CAGE CLAMP®



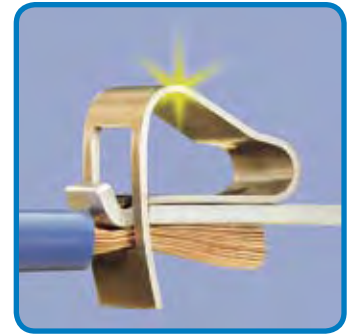
Interface modules for Allen-Bradley® PLC Platforms

Connect with CAGE CLAMP®

Wiring systems for PLC I/O cards have been reducing wiring time, eliminating errors, and adding functionality for many years. Now, with the WAGO interface modules, users gain the added functionality and benefits of wiring with CAGE CLAMP® for field side connections.

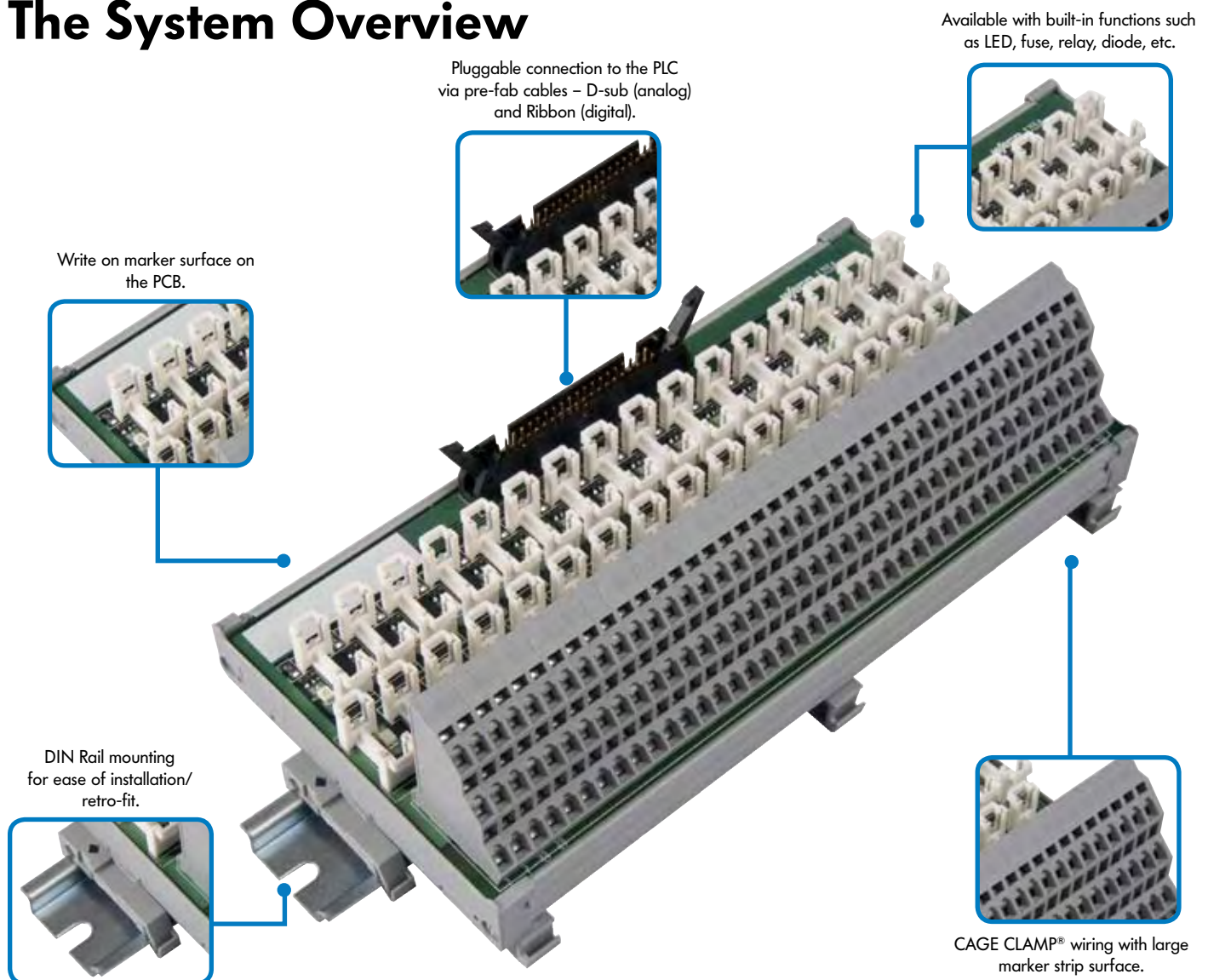
For over 25 years, CAGE CLAMP® has proven itself as a...

- ... highly reliable connection technology
- ... vibration-proof connection technology
- ... corrosion resistant connection technology
- ... thermal-cycling resistant connection technology
- ... that is up to 60% faster than wiring with screw-type technology.



Interface modules feature WAGO CAGE CLAMP® connection technology for a fast, reliable connection - everytime!

The System Overview



Support for A-B PLC I/O Cards:

PLC-5 Bulletin 1771
 SLC-500 Bulletin 1746
 ControlLogix Bulletin 1756
 CompactLogix Bulletin 1769
 MicroLogix Bulletin 1762



Why use WAGO?

- **Cost effective...** As the manufacturer of the PCB carrier and terminal blocks we are able to better control the cost base – with savings up to 40% or more.
- **Compact design...** WAGO interface modules are typically more compact than that of the PLC manufacturer – even with extra termination points.
- **Greater reliability...** As the inventor of CAGE CLAMP®, we have more than 25 years of experience integrating this technology into automation components.
- **Reduced wiring time...** Not only is your PLC to the terminal block wiring up to 30 times faster, but now, with CAGE CLAMP®, your terminal block to field device wiring is up to 60% faster – compared to screw-type connections.
- **Maintenance-free wiring...** CAGE CLAMP® is vibration-proof, as well as thermal cycling and corrosion resistant – wire it once and forget it.
- **100% A-B compatible...** We are pin to pin compliant with A-B. Buy the cable and interface module from WAGO or just buy the WAGO interface module and use the A-B cable – your choice.
- **Complete marking...** All WAGO interface modules come with a marker card to mark the terminal block I/O points according to the PLC type you are using, as well as additional marking surface on the PCB.
- **Connector Buy-Back...** Not using your RTBs (removable terminal block, a.k.a. wiring arm), WAGO will issue credit/buy back these when you purchase both the cable and interface module from us.
- **Custom capabilities...** Don't see what you want? WAGO will custom design a solution to meet your needs. Requirements in most cases are as little as 50 pieces with little or no NRE fees.

SLC-500 Bulletin 1746 compatible modules

SLC-500 Digital I/O Interface Modules, (20 pin versions)

	Voltage Range	Compatible w/A-B	WAGO no.	IA16	IB16	IC16	IG16	IHT16	IM16	IN16	ITB16
Feed through, standard,	264 V AC/DC Max.	1492-IFM20F	51015164	A	B	B	E	B	A	B	B
Feed through, narrow, ²	132 V AC/DC Max.	1492-IFM20FN	51015139	A	B	B	E	B	-	B	B
Feed through, 3-wire sensor-type,	132 V AC/DC Max.	1492-IFM20F-3	51015180	A	B	B	E	B	-	B	B
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM20D24	51015038	-	B	-	-	-	-	B	B
LED, narrow, w/ 24 V AC/DC LEDs, ²	10 - 30 V AC/DC Max.	1492-IFM20D24N	51015068	-	B	-	-	-	-	B	B
LED, standard, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120	51013384	A	-	-	-	B	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs, ²	85 - 132 V AC Max.	1492-IFM20D120N	51013385	A	-	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120-2	51013386	-	-	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120A-2	51013387	A	-	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20DS120-4	51013388	-	-	-	-	-	-	-	-
LED, extra output terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24-2	51013381	-	-	-	-	-	-	-	-
LED, extra input terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24A-2	51013380	-	B	-	-	-	-	B	B
Fusible, extra terminals, w/ 24 V AC/DC B/F indicators,	10 - 30 V AC/DC Max.	1492-IFM20F-F24-2	51015138	-	-	-	-	-	-	-	-
Fusible, extra terminals, w/ 120 V AC/DC B/F indicators,	85 - 132 V AC/DC Max.	1492-IFM20F-F120-2	51011951	-	-	-	-	-	-	-	-
Fusible, extra output terminals,	0 - 132 V AC/DC Max.	1492-IFM20F-F-2	51015198	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-8R	51015088	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-8R	51015073	-	-	-	-	-	-	-	-
Relay, expander w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM24-8R	51015074	-	-	-	-	-	-	-	-
Relay, expander w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM120-8R	51015075	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-16R	51015077	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-16R	51015078	-	-	-	-	-	-	-	-

SLC-500 Digital I/O Interface Modules, (40 pin versions)

	Voltage Range	Compatible w/A-B	WAGO no.	I/O card types: 1746-				
				IB32	IV32	OB32	OB32E	OV32
Feed through, standard,	0 - 132 V AC/DC Max.	1492-IFM40F	51015136	H	H	H	H	H
Feed through, 3-wire sensor-type,	0 - 60 V AC/DC Max.	1492-IFM40F-3	51015069	H	H	-	-	-
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24	51015150	H	H	H	H	H
LED, extra output terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24-2	51015072	-	-	H	H	H
LED, extra input terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24A-2	51013382	H	H	-	-	-
Relay, 40 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM4024-16R	51015079	-	-	H	H	-

SLC-500 Analog interface input/output boards

	Voltage Range	Compatible w/A-B	WAGO no.	I/O Card Types:							
				FIO4I	FIO4V	NI4	NI8	NIO4I	NIO4V	NO4I	NO4V
Feed through, 4-channel w/ 3 terminals/ channel	0-132 V AC/DC Max.	1492-AIFM4-3	51015117	L	L	A	-	L	L	B	B
Feed through, 6-channel isolated w/ 3..4 terminals/ chan.	0-132 V AC/DC Max.	1492-AIFM6S-3	51015101	-	-	-	-	-	-	-	-
Feed through, 8-channel w/ 3 terminals/ channel	0-132 V AC/DC Max.	1492-AIFM8-3	51015056	-	-	-	C	-	-	-	-
Fusible, 8-channel w/ 5 terminals/ channel	0-30 V AC/DC Max.	1492-AIFM8-F-5	51015105	-	-	-	C	-	-	-	-
Fusible, 16-channel w/ 3 terminals/ channel	0-30 V AC/DC Max.	1492-AIFM16-F-3	51015084	-	-	-	-	-	-	-	-

¹One expander is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to attach it to the master.

²Narrow and standard modules can be used interchangeably.

I/O card types: 1746-

	ITV16	IV16	OA16	OB16	OB16E	OBP16	OG16	OV16	OVPI16	OW16	OX8
	B	B	C	E	E	E	E	E	E	D	D
	B	B	G	E	E	E	E	E	E	N	N
	B	B	-	-	-	-	-	-	-	-	-
	B	B	-	E	E	E	-	E	E	D	-
	B	B	-	E	E	E	-	-	-	N	-
	-	-	C	-	-	-	-	-	-	D	-
	-	-	G	-	-	-	-	-	-	N	-
	-	-	C	-	-	-	-	-	-	D	-
	-	-	-	-	-	-	-	-	-	-	S
	-	-	-	E	E	E	-	E	E	D	-
	B	B	-	-	-	-	-	-	-	-	-
	-	-	-	E	E	E	-	E	E	D	-
	-	-	C	-	-	-	-	-	-	D	-
	-	-	C	E	E	E	-	E	E	D	-
	-	-	-	E	E	E	-	-	-	-	-
	-	-	CR	-	-	-	-	-	-	-	-
	-	-	-	1	1	1	-	-	-	-	-
	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	E	E	E	-	-	-	-	-
	-	-	CR	-	-	-	-	-	-	-	-

SLC-500 Bulletin 1746

How to pick an interface module

- 1) Use chart to cross-reference by A-B IFM part number.

Example, 1492-IFM20F = WAGO part number 51015164

- 2) Use chart to choose by PLC and I/O card type.

Example, 1746-IA16 (1746 = PLC type SLC-500 and IA16 = I/O card) equals WAGO part number 51015164.

- 3) Use chart to choose cable type required (note: WAGO interface modules are 100% compatible with A-B cable program, 1492-CABLE).

Example, WAGO part number 51015164 (from above example) follow to the right until you locate the I/O card type, IA16. This intersection indicates cable type A. Go to catalog page 14 and under digital I/O cables cable type A offers 4 different part numbers depending on the cable length. The part number for cable type A at a length of 0.5 meters would be 51011964.

I/O card types: 1746-

	NO8I	NO8V	NR4	NI16I	NI16V
	-	-	-	-	-
	-	-	D	-	-
	R	R	-	A46	A46
	-	-	-	-	-
	-	-	-	A46	A46



All standard sizes available (51015164 shown)

ControlLogix Bulletin 1756 compatible modules

ControlLogix Digital I/O Interface Modules, (20 pin versions)				I/O card types							
				IA8D	IA16	IB16	IC16	IN16	IV16	OA8	OA16
	Voltage Range	Compatible w/A-B	WAGO no.								
Feed through, standard,	264 V AC/DC Max.	1492-IFM20F	51015164	U	X	X	X	X	X	U	U
Feed through, narrow, ²	132 V AC/DC Max.	1492-IFM20FN	51015139	U	X	X	X	X	X	U	U
Feed through, 3-wire sensor-type,	132 V AC/DC Max.	1492-IFM20F-3	51015180	-	X	X	X	X	X	-	-
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM20D24	51015038	-	-	X	-	X	X	-	-
LED, narrow, w/ 24 V AC/DC LEDs, ²	10 - 30 V AC/DC Max.	1492-IFM20D24N	51015068	-	-	X	-	X	X	-	-
LED, standard, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120	51013384	U	X	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs, ²	85 - 132 V AC Max.	1492-IFM20D120N	51013385	U	X	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120-2	51013386	-	-	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120A-2	51013387	U	X	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20DS120-4	51013388	-	-	-	-	-	-	W	W
LED, extra output terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24-2	51013381	-	-	-	-	-	-	-	-
LED, extra input terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24A-2	51013380	-	-	X	-	X	X	-	-
Fusible, extra terminals, w/ 24 V AC/DC B/F indicators,	10 - 30 V AC/DC Max.	1492-IFM20F-F24-2	51015138	-	-	-	-	-	-	-	-
Fusible, extra terminals, w/ 120 V AC/DC B/F indicators,	85 - 132 V AC/DC Max.	1492-IFM20F-F120-2	51011951	-	-	-	-	-	-	-	-
Fusible, extra output terminals,	0 - 132 V AC/DC Max.	1492-IFM20F-F-2	51015198	-	-	-	-	-	-	-	-
Fusible, isolated, 120 V AC/DC B/F indicators,	85 - 132 V AC/DC Max.	1492-IFM20F-FS120A-4	51015063	U	-	-	-	-	-	-	-
Relay, 20 pin master w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-8R	51015088	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-8R	51015073	-	-	-	-	-	-	-	-
Relay, expander w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM24-8R	51015074	-	-	-	-	-	-	-	-
Relay, expander w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM120-8R	51015075	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-16R	51015077	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-16R	51015078	-	-	-	-	-	-	-	-

ControlLogix Digital I/O Interface Modules, (40 pin versions)				I/O card types							
				IA16I	IA32	IB16D	IB16I	IB32	IH16I	IM16I	IV32
	Voltage Range	Compatible w/A-B	WAGO no.								
Feed through, standard,	0 - 132 V AC/DC Max.	1492-IFM40F	51015136	Y	Z	Y	Y	Z	Y	-	Z
Feed through, 3-wire sensor-type,	0 - 60 V AC/DC Max.	1492-IFM40F-3	51015069	-	-	-	-	Z	-	-	Z
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24	51015150	-	-	-	-	Z	-	-	Z
LED, extra output terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24-2	51015072	-	-	-	-	-	-	-	-
LED, extra input terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24A-2	51013382	-	-	-	-	Z	-	-	Z
Relay, 40 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM4024-16R	51015079	-	-	-	-	-	-	-	-

ControlLogix Analog interface input/output boards				I/O card types					
				IF6I (Current)	IF6I (Voltage)	IF8 (Voltage 5E)	IF8 (Current 5E)	IF8 (Voltage DIF)	IF8 (Current DIF)
	Voltage Range	Compatible w/A-B	WAGO no.						
Feed through, 4-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM4-3	51015117	-	-	-	-	-	-
Feed through, 6-channel isolated w/ 3..4 terminals/chan.	0-132 V AC/DC Max.	1492-AIFM6S-3	51015101	X	Y	-	-	-	-
Feed through, 8-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM8-3	51015056	-	-	TA	TB	TC	TD
Thermocouple, 6-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM6TC-3	51015082	-	-	-	-	-	-
Fusible, 8-channel w/ 5 terminals/channel	0-30 V AC/DC Max.	1492-AIFM8-F-5	51015105	-	-	TA	TB	TC	TD
Fusible, 16-channel w/ 3 terminals/channel	0-30 V AC/DC Max.	1492-AIFM16-F-3	51015084	-	-	-	-	-	-
Fusible, 16-channel w/ 5 terminals/channel	0-30 V AC/DC Max.	1492-AIFM16-F-5	51013379	-	-	-	-	-	-

¹One expander is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to attach it to the master.

²Narrow and standard modules can be used interchangeably.

s: 1756-

	OA8E	OA16	OB8	OB16E	OC8	ON8	OV16E
	U	X	U	X	U	U	X
	U	X	U	X	U	U	X
	-	-	-	-	-	-	-
	-	-	-	X	-	-	-
	-	-	-	X	-	-	X
	-	-	-	-	-	-	-
	-	X	-	-	-	-	-
	-	X	-	-	-	-	-
	-	-	-	-	-	-	-
V	V	-	-	-	-	-	-
	-	-	-	X	-	-	X
	-	-	-	-	-	-	-
	-	-	-	X	-	-	X
	-	X	-	-	-	-	-
	-	X	-	X	-	-	X
	-	-	-	-	-	-	-
	-	-	-	X	-	-	-
	-	X	-	-	-	-	-
	-	-	-	1	-	-	-
	-	1	-	-	-	-	-
	-	-	-	1	-	-	-
	-	1	-	-	-	-	-

card types: 1756-

	OA16I	OB8EI	OB16D	OB16I	OB16IS	OB32	OH8I	OV32E	OW16I	OX8I
	Y	Y	Y	Y	Y	Z	Y	Z	Y	Y
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	Z	-	Z	-	-
	-	-	-	-	-	Z	-	Z	-	-
	-	-	-	-	-	Z	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-

I/O Card Types: 1756-

	IF16 (Voltage SE)	IF16 (Current SE)	IF16 (Voltage DIF)	IF16 (Current DIF)	IR6I	IT6I	IT6I2	OF4 (Voltage)	OF4 (Current)	OF6CI	OF6VI	OF8 (Voltage)	OF8 (Current)
	-	-	-	-	-	-	-	VA	VB	-	-	-	-
	-	-	-	-	Z	-	-	-	-	Y	Y	-	-
UA	UA	UB	UC	UD	-	-	-	-	-	-	-	WA	WB
-	-	-	-	-	-	Y	YT	-	-	-	-	-	-
-	-	-	UC	UD	-	-	-	-	-	-	-	-	-
UA	UA	UB	UC	UD	-	-	-	-	-	-	-	-	-
UA	UA	UB	UC	UD	-	-	-	-	-	-	-	-	-

ControlLogix Bulletin 1756

How to pick an interface module

- 1) Use chart to cross-reference by A-B IFM part number.

Example, 1492-IFM20F = WAGO part number 51015164

- 2) Use chart to choose by PLC and I/O card type.

Example, 1756-IA16 (1756 = PLC type ControlLogix and IA16 = I/O card) equals WAGO part number 51015164.

- 3) Use chart to choose cable type required (note: WAGO interface modules are 100% compatible with A-B cable program, 1492-CABLE).

Example, WAGO part number 51015164 (from above example) follow to the right until you locate the I/O card type, IA16. This intersection indicates cable type X. Go to catalog page 14 and under digital I/O cables cable type X offers 4 different part numbers depending on the cable length. The part number for cable type X at a length of 0.5 meters would be 51017302.

Compact design (51015136 shown)



CompactLogix/MicroLogix Bulletin 1769/1762 compa

CompactLogix/MicroLogix Digital I/O Interface Modules, (20 pin versions)				I/O card type					
	Voltage Range	Compatible w/A-B	WAGO no.	IA8I	IA16	IQ16	IQ16F	IM12	OA8
Feed through, standard,	264 V AC/DC Max.	1492-IFM20F	51015164	F69	A69	B69	B69	G69	C69
Feed through, narrow, ²	132 V AC/DC Max.	1492-IFM20FN	51015139	F69	A69	B69	B69	-	C69
Feed through, 3-wire sensor-type,	132 V AC/DC Max.	1492-IFM20F-3	51015180	-	A69	B69	B69	-	-
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM20D24	51015038	-	-	B69	B69	-	-
LED, narrow, w/ 24 V AC/DC LEDs, ²	10 - 30 V AC/DC Max.	1492-IFM20D24N	51015068	-	-	B69	B69	-	-
LED, standard, w/ 120 V AC/DC LEDs, ²	85 - 132 V AC Max.	1492-IFM20D120	51013384	-	A69	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120N	51013385	-	A69	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120-2	51013386	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120A-2	51013387	-	A69	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20DS120-4	51013388	-	-	-	-	-	C69
LED, extra output terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24-2	51013381	-	-	-	-	-	-
LED, extra input terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24A-2	51013380	-	-	B69	B69	-	-
Fusible, extra terminals, w/ 24 V AC/DC B/F indicators,	10 - 30 V AC/DC Max.	1492-IFM20F-F24-2	51015138	-	-	-	-	-	-
Fusible, extra terminals, w/ 120 V AC/DC B/F indicators,	85 - 132 V AC/DC Max.	1492-IFM20F-F120-2	51011951	-	-	-	-	-	-
Fusible, extra output terminals,	0 - 132 V AC/DC Max.	1492-IFM20F-F-2	51015198	-	-	-	-	-	-
Relay, 20 pin master w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-8R	51015088	-	-	-	-	-	-
Relay, 20 pin master w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-8R	51015073	-	-	-	-	-	-
Relay, expander w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM24-8R	51015074	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-16R	51015077	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-16R	51015078	-	-	-	-	-	-

CompactLogix Digital I/O Interface Modules, (40 pin versions)				I/O card types: 1769-	
	Voltage Range	Compatible w/A-B	WAGO no.	IQ32	OB32
Feed through, standard,	0 - 132 V AC/DC Max.	1492-IFM40F	51015136	J69	K69
Feed through, 3-wire sensor-type,	0 - 60 V AC/DC Max.	1492-IFM40F-3	51015069	J69	-
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24	51015150	J69	K69
LED, extra output terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24-2	51015072	-	K69
LED, extra input terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24A-2	51013382	J69	-
Relay, 40 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM4024-16R	51015079	-	K69

CompactLogix Analog interface input/output boards				I/O Card Types: 1769-				
	Voltage Range	Compatible w/A-B	WAGO no.	OF2 (Voltage)	OF2 (Current)	IF4 (Voltage SE)	IF4 (Current SE)	IF4 (Voltage DIF)
Feed through, 4-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM4-3	51015117	AA69	AB69	BA69	BB69	BC69
Feed through, 6-channel isolated w/ 3..4 terminals/chan.	0-132 V AC/DC Max.	1492-AIFM6S-3	51015101	-	-	-	-	-
Feed through, 8-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM8-3	51015056	-	-	-	-	-
Fusible, 8-channel w/ 5 terminals/channel	0-30 V AC/DC Max.	1492-AIFM8-F-5	51015105	-	-	-	-	-

¹One expander is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to attach it to the master.

²Narrow and standard modules can be used interchangeably.

Compatible modules

Series: 1769-

OA16	OB16	OV16	OW8	OW8I	OW16
H69	E69	E69	C69	D69	H69
H69	E69	E69	C69	-	H69
-	-	-	-	-	-
-	E69	E69	-	-	H69
-	E69	-	-	-	H69
H69	-	-	-	-	H69
H69	-	-	-	-	H69
H69	-	-	-	-	H69
-	-	-	-	-	-
-	-	-	C69	C69	-
-	E69	E69	-	-	H69
-	-	-	-	-	-
-	E69	E69	-	-	H69
H69	-	-	-	-	H69
H69	E69	E69	-	-	H69
-	E69	-	-	-	-
H69	-	-	-	-	-
-	1	-	-	-	-
-	E69	-	-	-	-
H69	-	-	-	-	-



CompactLogix/MicroLogix Bulletin 1769/1762

How to pick an interface module

- 1) Use chart to cross-reference by A-B IFM part number.

Example, 1492-IFM20F = WAGO part number 51015164

- 2) Use chart to choose by PLC and I/O card type.

Example, 1769-IA16 (1769 = PLC type CompactLogix and IA16 = I/O card) equals WAGO part number 51015164.

- 3) Use chart to choose cable type required (note: WAGO interface modules are 100% compatible with A-B cable program, 1492-CABLE).

Example, WAGO part number 51015164 (from above example) follow to the right until you locate the I/O card type, IA16. This intersection indicates cable type A69. Go to catalog page 14 and under digital I/O cables cable type A69 offers 4 different part numbers depending on the cable length. The part number for cable type A69 at a length of 0.5 meters would be 51017303.

	IF4 (Current DIF)	IF8 (Voltage SE)	IF8 (Current SE)	IF8 (Voltage DIF)	IF8 (Current DIF)	IR6	OF8V (Voltage)	OF8C (Current)
9	BD69	-	-	-	-	-	-	-
-	-	-	-	-	-	C69	-	-
-	-	EA69	EB69	EC69	ED69	-	D69	D69
-	-	EA69	EB69	EC69	ED69	-	-	-



3-wire sensor type available (51015180 shown)

PLC-5 Bulletin 1771 compatible modules

PLC-5 Digital I/O Interface Modules, (20 pin versions)

	Voltage Range	Compatible w/A-B	WAGO no.	I/O card types							
				IA	IA2	IA2	IB	IBD	ICD	IGD	IMD
Feed through, standard,	264 V AC/DC Max.	1492-IFM20F	51015164	-	-	F	-	F	F	F	F
Feed through, narrow, ³	132 V AC/DC Max.	1492-IFM20FN	51015139	-	-	F	-	F	F	F	-
Feed through, 3-wire sensor-type,	132 V AC/DC Max.	1492-IFM20F-3	51015180	-	-	F	-	F	F	F	-
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM20D24	51015038	-	-	-	-	F	F	-	-
LED, narrow, w/ 24 V AC/DC LEDs, ³	10 - 30 V AC/DC Max.	1492-IFM20D24N	51015068	-	-	-	-	F	F	-	-
LED, standard, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120	51013384	-	-	F	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs, ³	85 - 132 V AC Max.	1492-IFM20D120N	51013385	-	-	F	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120-2	51013386	-	-	-	-	-	-	-	-
LED, narrow, w/ 120 V AC/DC LEDs,	85 - 132 V AC Max.	1492-IFM20D120A-2	51013387	-	-	F	-	-	-	-	-
LED, extra output terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24-2	51013381	-	-	-	-	-	-	-	-
LED, extra input terminals, w/ 24 V AC/DC LEDs	10 - 30 V AC/DC Max.	1492-IFM20D24A-2	51013380	-	-	-	-	F	F	-	-
Fusible, extra terminals, w/ 24 V AC/DC B/F indicators,	10 - 30 V AC/DC Max.	1492-IFM20F-F24-2	51015138	-	-	-	-	-	-	-	-
Fusible, extra terminals, w/ 120 V AC/DC B/F indicators,	85 - 132 V AC/DC Max.	1492-IFM20F-F120-2	51011951	-	-	-	-	-	-	-	-
Fusible, extra output terminals,	0 - 132 V AC/DC Max.	1492-IFM20F-F-2	51015198	-	-	-	-	-	-	-	-
Fusible, isolated, 120 V AC/DC B/F indicators,	85 - 132 V AC/DC Max.	1492-IFM20F-FS120A-4	51015063	T	T	-	-	-	-	-	-
Relay, 20 pin master w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-8R	51015088	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-8R	51015073	-	-	-	-	-	-	-	-
Relay, expander w/ eight 24 V relays,	20 - 26 V DC Max.	1492-XIM24-8R	51015074	-	-	-	-	-	-	-	-
Relay, expander w/ eight 120 V relays,	96 - 132 V AC Max.	1492-XIM120-8R	51015075	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM2024-16R	51015077	-	-	-	-	-	-	-	-
Relay, 20 pin master w/ sixteen 120 V relays,	96 - 132 V AC Max.	1492-XIM20120-16R	51015078	-	-	-	-	-	-	-	-

PLC-5 Digital I/O Interface Modules, (40 pin versions)

	Voltage Range	Compatible w/A-B	WAGO no.	I/O card types							
				IAN	IBN	ID16	IQ16	IVN	OAN	OBN	OD16
Feed through, standard,	0 - 132 V AC/DC Max.	1492-IFM40F	51015136	J	J	M	M	K	L	L	M
Feed through, 3-wire sensor-type,	0 - 60 V AC/DC Max.	1492-IFM40F-3	51015069	-	J	-	-	K	-	-	-
LED, standard w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24	51015150	-	J	-	-	K	-	L	-
LED, extra output terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24-2	51015072	-	-	-	-	-	-	L	-
LED, extra input terminals, w/ 24 V AC/DC LEDs,	10 - 30 V AC/DC Max.	1492-IFM40D24A-2	51013382	-	J	-	-	K	-	-	-
Relay, 40 pin master w/ sixteen 24 V relays,	20 - 26 V DC Max.	1492-XIM4024-16R	51015079	-	-	-	-	-	-	L	-

PLC-5 Analog interface input/output boards

	Voltage Range	Compatible w/A-B	WAGO no.	I/O Card Types:				
				IFE (DIF)	IFE (SE)	IFF (DIF)	IFF (SE)	IL
Feed through, 4-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM4-3	51015117	-	-	-	-	-
Feed through, 6-channel isolated w/ 3..4 terminals/chan.	0-132 V AC/DC Max.	1492-AIFM6S-3	51015101	-	-	-	-	-
Feed through, 8-channel w/ 3 terminals/channel	0-132 V AC/DC Max.	1492-AIFM8-3	51015056	E	F	E	F	H
Fusible, 8-channel w/ 5 terminals/channel	0-30 V AC/DC Max.	1492-AIFM8-F-5	51015105	E	-	E	-	-
Fusible, 16-channel w/ 3 terminals/channel	0-30 V AC/DC Max.	1492-AIFM16-F-3	51015084	-	F	-	F	-
Fusible, 16-channel w/ 5 terminals/channel	0-30 V AC/DC Max.	1492-AIFM16-F-5	51013379	-	F	-	F	-

¹One expander is connected to a master to provide a total of 16 outputs. An extender cable is included with each expander to attach it to the master.

²Either F or FF.

³Narrow and standard modules can be used interchangeably.

rd types: 1771-

IN	IND	IT	OAD	OBD	OGD	OMD	OND	IMD
-	F	-	2	2	F	F	2	F
-	F	-	2	2	F	-	2	-
-	F	-	-	-	-	-	-	-
-	F	-	2	2	-	-	2	-
-	F	-	2	2	-	-	2	-
-	-	-	-	-	-	-	-	-
-	-	-	2	-	-	-	-	-
-	-	-	2	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	F	-	-	-	-	-	-	-
-	-	-	F	F	-	-	F	-
-	-	-	F	-	-	-	-	-
-	-	-	F	F	-	-	F	-
-	-	-	-	-	-	-	-	-
-	-	-	-	2	-	-	-	-
-	-	-	2	-	-	-	-	-
-	-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-	-
-	-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-	-

: 1771-

ODD	OQ16	OVN	OW16	OWN	OWNA
M	M	L	R	L	L
-	-	L	-	L	L
-	-	L	-	L	L
-	-	L	-	L	L
-	-	-	-	-	-
-	-	-	-	-	-

1771-

IR	OFE1	OFE2	OFE3
-	G	G	G
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

PLC-5 Bulletin 1771

How to pick an interface module

- 1) Use chart to cross-reference by A-B IFM part number.

Example, 1492-IFM20F = WAGO part number 51015164

- 2) Use chart to choose by PLC and I/O card type.

Example, 1771-IA16 (1771 = PLC type PLC-5 and IAD = I/O card) equals WAGO part number 51015164.

- 3) Use chart to choose cable type required (note: WAGO interface modules are 100% compatible with A-B cable program, 1492-CABLE).

Example, WAGO part number 51015164 (from above example) follow to the right until you locate the I/O card type, IAD. This intersection indicates cable type F. Go to catalog page 14 and under digital I/O cables cable type F offers 4 different part numbers depending on the cable length. The part number for cable type F at a length of 0.5 meters would be 51011994.



Pluggable and custom connectors
available - consult factory

Analog I/O Cables

CABLE	0.5m	1.0m	2.5m	5.0m
A	51017390	51011959	51011960	51011976
B	51011977	51011943	51011330	51011331
C	51011332	51011333	51011334	51011335
D	51011336	51011337	51011338	51011339
E	51011340	51011341	51011342	51011343
F	51011344	51011345	51011346	51011347
G	51011348	51011349	51013120	51013121
H	51013122	51013123	51013124	51013125
J	51013126	51013127	51013128	51013129
L	51013130	51013131	51013132	51013133
M	51013134	51013135	51013136	51013137
Q	51013138	51013139	51013140	51013141
R	51013040	51013041	51013042	51013043
X	51013142	51013143	51013144	51013145
Y	51013146	51013147	51013148	51013149
YT	51013044	51013045	51013046	51013047
Z	51013150	51013151	51013152	51013153
A46	51013154	51013155	51013156	51013157
TA	51017322	51017321	51017320	51013158
TB	51013159	51013160	51013161	51013162
TC	51013163	51013164	51013165	51013166
TD	51013167	51013168	51013169	51013170
UA	51013171	51013172	51013173	51013174
UB	51013175	51013176	51013177	51013178
UC	51013179	51013180	51013181	51013182
UD	51013183	51013184	51013185	51013186
VA	51017319	51017318	51017317	51013187
VB	51013188	51013189	51013190	51013191
WA	51013192	51013193	51013194	51013195
WB	51013196	51013197	51013198	51013199
AA69	51013100	51013101	51013102	51013103
AB69	51013104	51013105	51013106	51013107
BA69	51013048	51013049	51013050	51013051
BB69	51013108	51013109	51013110	51013111
BC69	51013112	51013113	51013114	51013115
BD69	51013116	51013117	51013118	51013119
EA69	51013052	51013053	51013054	51013055
EB69	51013056	51013057	51015790	51015791
EC69	51015792	51015793	51015794	51015795
ED69	51015796	51015797	51015798	51015799

Digital I/O Cables

CABLE	0.5m	1.0m	2.5m	5.0m
A	51011964	51017341	51017342	51011978
B	51013351	51013352	51011979	51011980
C	51011981	51011982	51011983	51011984
CR	51011985	51011986	51011987	51011988
D	51011989	51011990	51011991	51011992
E	51013353	51013354	51017389	51011993
F	51011994	51011995	51011996	51011997
FF	51011998	51011999	51011897	51011898
G	51011965	51011899	51011900	51011901
H	51013347	51011902	51011903	51011904
J	51011905	51011906	51011907	51011908
K	51011909	51011910	51011911	51011912
L	51011913	51011914	51011915	51011916
M	51011917	51011918	51011919	51011920
N	51011966	51011921	51011922	51011923
P	51017359	51011924	51011925	51011926
R	51011927	51011928	51011929	51011930
R7I	51011931	51011932	51011933	51011934
S	51011935	51011936	51011937	51011938
T	51011939	51011940	51011941	51011942
U	51017303	51017304	51017305	51011944
V	51011945	51011946	51011947	51011295
WW	51011296	51011297	51011298	51011299
X	51017302	51017301	51017300	51011300
Y	51017314	51017315	51017316	51011301
Z	51014199	51014198	51014197	51011302
A69	51011303	51011304	51011305	51011306
B69	51011967	51011307	51011308	51011309
C69	51011310	51011311	51011312	51011313
D69	51011314	51011315	51011316	51011317
E69	51011968	51011318	51011319	51011320
F69	51011321	51011322	51011323	51011324
G69	51013058	51013059	51013060	51013061
H69	51011969	51011325	51011326	51011327
J69	51013062	51013063	51013064	51013065
K69	51013066	51013067	51013068	51013069
TBNH	51014196	51014195	51014194	51011328
TBCH	51014193	51014192	51014191	51011329



Labeling for WAGO Interface Modules

All WAGO interface modules are provided with a label sheet as well as an instruction sheet. This serves to properly identify the field-side wiring of the interface module based on the PLC type and I/O card type.

Example,

PLC I/O card part number 1746-IA16 and using WAGO interface module part number 51015164.

Locate the PLC type, 1746, on the left hand side of the label key chart (on the instruction sheet). To the right of the PLC type, you will find the I/O card part number, 1746-IA16. To the right of the I/O card part number you will find a key indicating which label/s are needed to properly identify the field side terminals. In this case it is A and/or A1.

With this information, select the A and/or A1 label strip from the provided label sheet, and apply to the bottom and top terminal strips. Note: the second row of terminals are extra terminals - it is not necessary to mark both rows of terminals.

	MODULE NO.	KEY
1746	1746-IA16, IM16, IN16(AC)	A,A1
	1746-IB16, IC16, IH16, IN16(DC), ITB16	B,B1
	1746-IG16	C,C1
	1746-IV16, ITV16	D,D1
	1746-OA16, OW16(AC)	E,E1
	1746-OB16, OB16E, OBP16, OG16, OV16, OVP16	F,F1
	1746-OW16(DC)	G,G1
	1746-0X8(AC)	H
1756	1746-0X8(DC)	I
	1756-IA8D	J
	1756-IA16, IN16	K
	1756-IB16, IC16	L
	1756-IV16	M
	1756-OA8, ON8	N
	1756-OA8D, OA8E	O
	1756-OA16	P
1769	1756-OB8, OC8	Q
	1756-OB16E	R
	1769-IA8I	S
	1769-IA16	T
	1769-IM12	U
	1769-IQ16 SINK, IQ16F SINK	V
	1769-IQ16 SOURCE, IQ16F SOURCE	W
	1769-OA8(AC), OW8	X
1771	1769-OA16, OW16(AC)	Z
	1769-OB16, OV16	F,F1
	1769-OW8(DC)	Y
	1769-OW8I(AC)	H
	1769-OW8I(DC)	I
	1769-OW16(DC)	AA
	1771-IAD(AC), IND(AC)	AB
	1771-IMD(AC)	AC
1771	1771-IAD(DC), IND(DC)	AD
	1771-IMD(DC)	AE
	1771-IBD, ICD	AF
	1771-IGD	AG
	1771-OAD, OND, OMD	AH
	1771-0BD, OGD	AI

Label Key Chart

A				10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	L2	L2			
A1				100	101	102	103	104	105	106	107	110	111	112	113	114	115	116	117	L2	L2			
B				10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	COM	COM			
B1				100	101	102	103	104	105	106	107	110	111	112	113	114	115	116	117	COM	COM			
C	+V	+V		10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	COM	COM			
C1	+V	+V		100	101	102	103	104	105	106	107	110	111	112	113	114	115	116	117	COM	COM			
D				10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	+V	+V			
D1				100	101	102	103	104	105	106	107	110	111	112	113	114	115	116	117	+V	+V			
E	L1	L1	L1	00	01	02	03	04	05	06	07	08	09	010	011	012	013	014	015	L1	L1			
E1	L1	L1	L1	000	001	002	003	004	005	006	007	010	011	012	013	014	015	016	017	L1	L1			
F	+V	+V		00	01	02	03	04	05	06	07	08	09	010	011	012	013	014	015	COM	COM			
F1	+V	+V		000	001	002	003	004	005	006	007	010	011	012	013	014	015	016	017	COM	COM			
G	+V1	+V1		00	01	02	03	04	05	06	07	08	09	010	011	012	013	014	015	+V2	+V2			
G1	+V1	+V1		000	001	002	003	004	005	006	007	010	011	012	013	014	015	016	017	+V2	+V2			
H	L1	0	00	L1	1	01	L1	2	02	L1	3	03		04	L1	4	05	L1	5	06	L1	7		
I		+V0	00	+V1	01	+V2	02	+V3	03			04	+V4	05	+V5	06	+V6	07	+V7					
J	L1	0	10	11	12	13	L2	0	L2	0	L2	0	L2	1	L2	1	L2	1	14	15	16	17		
K	L2	0	L2	0	10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	L2	L2		
L	GND0	GND0	10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	GND1	GND1				
M	+DC0	+DC0	10	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	+DC1	+DC1				
N	L1	0	00	01	02	03		L1	0	L1	0	L1	0	L1	1	L1	1	L1	1	04	05	06	07	
O	L2	0	00	01	02	03	L1	0	L1	0	L1	0	L1	1	L1	1	L1	1	L1	1	04	05	06	07
P	L1	0	L2	0	00	01	02	03	04	05	06	07	08	09	010	011	012	013	014	015	L1	L1		

Label Sheet