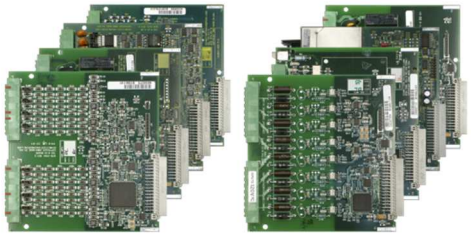
SELECT I/O Cards

Part Numbers for the SEL-787-3 and SEL-787-4



Ordering Information

SCHWEITZER ENGINEERING LABORATORIES

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Serial Communication Card (SELECT EIA-232/485)

	Part Number
Serial Communication	9787LA0_ (1)
Note: Slot C option only.	

3 Digital Input / 4 Digital Output / 1 4–20 mA Analog Output (SELECT 3 DI / 4 DO / 1 AO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9787LBA_ (1)
24 Vdc/Vac DI, Electromechanical DO	9787LBB_ (1)
48 Vdc/Vac DI, Electromechanical DO	9787LBC_ (1)
110 Vdc/Vac DI, Electromechanical DO	9787LBD_ (1)
220 Vdc/Vac DI, Electromechanical DO	9787LBG_ (1)
250 Vdc/Vac DI, Electromechanical DO	9787LBH_ (1)
Note: Only one (1) – 3 DI / 4 DO / 1 AO card per chassis. Note: Unless otherwise specified, all digital outputs are Form A. Note: Slots C or D.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

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4 Digital Input / 4 Digital Output (SELECT 4 DI / 4 DO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9787L1A_ (1)
24 Vdc/Vac DI, Electromechanical DO	9787L1B_ (1)
48 Vdc/Vac DI, Electromechanical DO	9787L1C_ (1)
110 Vdc/Vac DI, Electromechanical DO	9787L1D_ (1)
220 Vdc/Vac DI, Electromechanical DO	9787L1G_ (1)
250 Vdc/Vac DI, Electromechanical DO	9787L1H_ (1)
125 Vdc/Vac DI, Fast High Current Interrupting DO	9787LCA_ (1)
24 Vdc/Vac DI, Fast High Current Interrupting DO	9787LCB_ (1)
48 Vdc/Vac DI, Fast High Current Interrupting DO	9787LCC_ (1)
110 Vdc/Vac DI, Fast High Current Interrupting DO	9787LCD_ (1)
220 Vdc/Vac DI, Fast High Current Interrupting DO	9787LCG_ (1)
250 Vdc/Vac DI, Fast High Current Interrupting DO	9787LCH_ (1)
Note: Unless otherwise specified, all digital outputs are Form A. Note: Slots C or D.	

4 Digital Input / 3 Digital Output (2 Form C and 1 Form B) (SELECT 4 DI / 3 DO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9787LDA_ (1)
24 Vdc/Vac DI, Electromechanical DO	9787LDB_ (1)
48 Vdc/Vac DI, Electromechanical DO	9787LDC_ (1)
110 Vdc/Vac DI, Electromechanical DO	9787LDD_ (1)
220 Vdc/Vac DI, Electromechanical DO	9787LDG_ (1)
250 Vdc/Vac DI, Electromechanical DO	9787LDH_ (1)
Note: Slots C or D.	

8 Digital Output (SELECT 8 DO)

Output Type	Part Number
8 Form A Electromechanical DO	9787L2A_ (1)
8 Form B Electromechanical DO	9787L2B_ (1)
6 Form A and 2 Form B Electromechanical DO	9787L2C_ (1)
6 Form B and 2 Form A Electromechanical DO	9787L2D_ (1)
4 Form A and 4 Form B Electromechanical DO	9787L2G_ (1)
Note: Slots C or D.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

8 Digital Input (SELECT 8 DI)

Digital Input Voltage	Part Number
125 Vdc/Vac	9787L3A_ (1)
24 Vdc/Vac	9787L3B_ (1)
48 Vdc/Vac	9787L3C_ (1)
110 Vdc/Vac	9787L3D_ (1)
220 Vdc/Vac	9787L3G_ (1)
250 Vdc/Vac	9787L3H_ (1)
Note: Slots C or D.	

4 Analog Input / 4 Analog Output (SELECT 4 AI / 4 AO)

Input Type	Part Number
±20 mA or ±10 V, Jumper Selectable	9787L6X_ (1)
Note: Only one 4 AI / 4 AO card per chassis. Note: Slots C or D.	

10 RTD Input Card (SELECT 10 RTD)

Input Type	Part Number
RTD Analog Input	9787L9X_ (1)
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document. Note: Slot D option only.	

6-Phase AC Current Input (SELECT 6 ACI)

Phase Current – Winding 3, Phase Current – Winding 4	Part Number
1 Amp Phase Winding 3, 1 Amp Phase Winding 4	9787L4XA1_ (1)
1 Amp Phase Winding 3, 5 Amp Phase Winding 4	9787L4XA2_ (1)
5 Amp Phase Winding 3, 5 Amp Phase Winding 4	9787L4XA5_ (1)
Note: Slot E option only. SEL-787-4X Model.	

3-Phase AC Current Input / Neutral AC Current Input / 3-Phase AC Voltage (300 Vac) (SELECT 4 ACI / 3 AVI)

Neutral Current, Phase Current – Winding 3	Part Number
1 Amp Neutral , 1 Amp Winding 3	9787L3E72_ (1)
5 Amp Neutral , 5 Amp Winding 3	9787L3E76_ (1)
1 Amp Neutral , 5 Amp Winding 3	9787L3E73_ (1)
5 Amp Neutral , 1 Amp Winding 3	9787L3E77_ (1)
Note: Slot E option only. SEL-787-3E Model.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

3-Phase AC Current Input / 3-Phase AC Voltage and Vsync/Vbat Input (300 V) (SELECT 3 ACI / 4 AVI)

Phase Current – Winding 3	Part Number
1 Amp Winding 3	9787L3S71_(1)
5 Amp Winding 3	9787L3S75_(1)
Note: Slot E option only. SEL-787-3S Model.	

6-Phase AC Current Input (SELECT 6 ACI)

Phase Current – Winding 1, Phase Current – Winding 2	Part Number
1 Amp Phase Winding 1, 1 Amp Phase Winding 2	9787L81_(1)
1 Amp Phase Winding 1, 5 Amp Phase Winding 2	9787L82_(1)
5 Amp Phase Winding 1, 5 Amp Phase Winding 2	9787L85_(1)
Note: Slot Z option only.	

Power Supply 125/250 Vdc/Vac (SELECT PSIO / 2 DI / 3 DO)

Digital Input Voltage	Part Number
125 Vdc/Vac Digital Input	9723L1A_(1)
24 Vdc/Vac Digital Input	9723L1B_(1)
48 Vdc/Vac Digital Input	9723L1C_(1)
110 Vdc/Vac Digital Input	9723L1D_(1)
220 Vdc/Vac Digital Input	9723L1G_(1)
250 Vdc/Vac Digital Input	9723L1H_(1)
Note: Slot A option only.	

Power Supply 24/48 Vdc (SELECT PSIO / 2 DI / 3 DO)

Digital Input Voltage	Part Number
125 Vdc/Vac Digital Input	9723L2A_(1)
24 Vdc/Vac Digital Input	9723L2B_(1)
48 Vdc/Vac Digital Input	9723L2C_(1)
110 Vdc/Vac Digital Input	9723L2D_(1)
220 Vdc/Vac Digital Input	9723L2G_(1)
250 Vdc/Vac Digital Input	9723L2H_(1)
Note: Slot A option only.	

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

Processor Board (SELECT CPU / COM)

Input Type	Rear Port Type	Ethernet Type	Protocol Type	Part Number
IRIG-B	EIA-232	None	Standard	9787L000_ (1)
IRIG-B	EIA-232	None	Standard, DNP3	9787L002_ (1)
IRIG-B	EIA-232	None	Standard, IEC 60870-5-103	9787L004_ (1)
IRIG-B	EIA-232	None	Standard, DNP3, IEC 60870-5-103	9787L006_ (1)
IRIG-B	EIA-485	None	Standard	9787L010_ (1)
IRIG-B	EIA-485	None	Standard, DNP3	9787L012_ (1)
IRIG-B	EIA-485	None	Standard, IEC 60870-5-103	9787L014_ (1)
IRIG-B	EIA-485	None	Standard, DNP3, IEC 60870-5-103	9787L016_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard	9787L020_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9787L021_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3	9787L022_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9787L023_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103	9787L024_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103, IEC 61850	9787L025_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103	9787L026_ (1)
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9787L027_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard	9787L030_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9787L031_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3	9787L032_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9787L033_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103	9787L034_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 60870-5-103, IEC 61850	9787L035_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103	9787L036_ (1)
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9787L037_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard	9787L040_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 61850	9787L041_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3	9787L042_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 61850	9787L043_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103	9787L044_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103, IEC 61850	9787L045_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103	9787L046_ (1)
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9787L047_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard	9787L060_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 61850	9787L061_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3	9787L062_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9787L063_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 60870-5-103	9787L064_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 60870-5-103, IEC 61850	9787L065_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103	9787L066_ (1)
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9787L067_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard	9787L080_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 61850	9787L081_ (1)

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

Processor Board (SELECT CPU / COM) cont.

Input Type	Rear Port Type	Ethernet Type	Protocol Type	Part Number
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3	9787L082_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 61850	9787L083_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103	9787L084_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 60870-5-103, IEC 61850	9787L085_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103	9787L086_ (1)
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 60870-5-103, IEC 61850	9787L087_ (1)
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.				

SEL-787-3,-4 Rear Panels

Card Slot Options				
Slot D Option	Slot E Option	Slot B (Mainboard) Options		Part Number
RTD	ALL	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L008
RTD	ALL	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L006
RTD	ALL	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L004
RTD	ALL	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L002
Empty or Standard I/O	ALL	EIA-232 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L007
Empty or Standard I/O	ALL	EIA-485 Rear	None/Single 10/100Base-T (Copper) Ethernet	9777L005
Empty or Standard I/O	ALL	EIA-232 Rear	Single/Dual 100Base-FX (Fiber) Ethernet	9777L003
Empty or Standard I/O	ALL	EIA-232 Rear	Dual 10/100Base-T (Copper) Ethernet	9777L001

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.