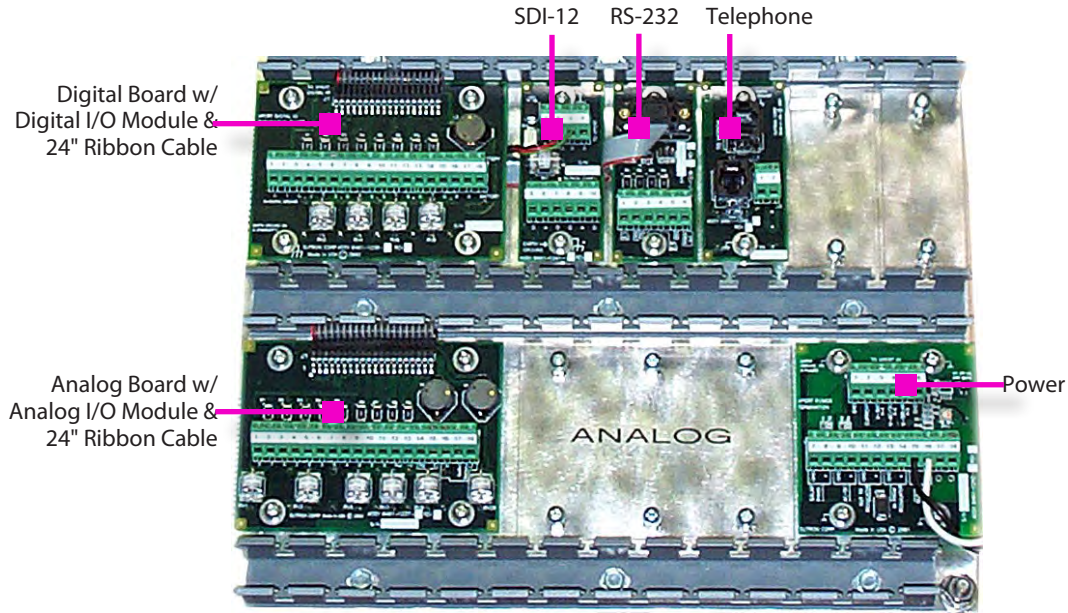


# XPERT TERMINATION BOARDS

8080-0003-3, 8080-0002-4,  
6461-1239, 6461-1240, 6461-1241, 6461-1242



## ANALOG I/O WITH TERMINATION 8080-0003-3

### Specifications

Multi-stage circuitry  
Automatically resets after surge

Operating temperature	-40°C to +60°C
Accepts wire sizes (*input side)	26-14 AWG
Accepts connection (#output side)	0.1" centerline ribbon cable
Series resistance (Analog I/O)	10 ohms
Power handling	(8/20 uS) 20 kAmps
Clamping voltage	36 V
Maximum line voltage (Analog I/O)	22 V
Dimensions	4.2" W X 3.1" H

## DIGITAL I/O WITH TERMINATION 8080-0002-4

### Specifications

Multi-stage circuitry  
Automatically resets after surge

Operating temperature	-40°C to +60°C
Accepts wire sizes (*input side)	26-14 AWG
Accepts connection (#output side)	0.1" centerline ribbon cable
Series resistance (Analog I/O)	10 ohms
Power handling (8/20 uS)	20 kAmps
Clamping voltage	36 V
Maximum line voltage (Analog I/O)	18 V
Dimensions	4.2" W X 3.1" H

# XPERT TERMINATION BOARDS

8080-0003-3, 8080-0002-4,  
6461-1239, 6461-1240, 6461-1241, 6461-1242



## RS-232 TERMINATION 6461-1239

### Specifications

Operating temperature	-40°C to +60°C
Accepts wire sizes (*input side)	26-14 AWG
Accepts connection (output side)	DB-9 serial
Automatically resets after surge	
Series resistance (Data lines)	100 ohms
IEC 61000-4-5 (Lightning)	(8/20 uS) 12 Amps
IEC 61000-4-2 (ESD)	15 kV (air)
Clamping voltage	(5 Amps) 24
Maximum line voltage (Data)	12 V
Maximum line voltage (Power)	24 V
Capacitance 1	50 pF
Dimensions	1.4" W X 3.1" H
Signal lines available (input side)	
RXD	CTS or DSR (not both)
TXD	Pin 9 ( power out from Xpert/ Xlite) & DTR or RTS (not both)

## SDI-12 TERMINATION 6461-1241

### Specifications

Multi-stage circuitry	
Automatically resets after surge	
Operating temperature	-40°C to +60°C
Accepts wire sizes (input/output)	26-14 AWG
Series resistance (Data line)	100 ohms
Power handling (8/20 uS)	20 kAmps
Clamping voltage	36 V
Dual SDI-12 input connections	
Dimensions	1.4" W X 3.1" H

## TELEPHONE TERMINATION 6461-1240

### Specifications

Operating temperature	-40°C to +60°C
Accepts wire sizes (input side)	26-14 AWG or RJ-11 telephone jack
Accepts connection (output side)	RJ-11 telephone jack
Multi-stage circuitry	
Automatically resets after surge	
Power handling (8/20 uS)	20 kAmps
Surge Ratings	TELCORDIA GR-1089
	ITU K.20/21/45
	FCC PART 68
Let Through Voltage	400 V
Dimensions	1.4" W X 3.1" H

## POWER TERMINATION 6461-1242

### Specifications

Accepts wire sizes (input/output)	26-14 AWG
Operating temperature	-40°C to +60°C
Dimensions	2.9" W X 3.1" H
SOLAR & AC/DC INPUTS	
Maximum Voltage	22V
Transient Protection	(10/1000 uS) 1500 W
Sense Output Accuracy	+2%
Output to Regulator =	Higher (V) of Solar or AC/DC
Maximum Voltage Drop	0.7 V
REGULATOR TO BATTERY	
Current Sense Resistance	0.033 Ohms
Current Sense Error	<5% @ 3 Amps
Battery Voltage Sense Accuracy	+2%