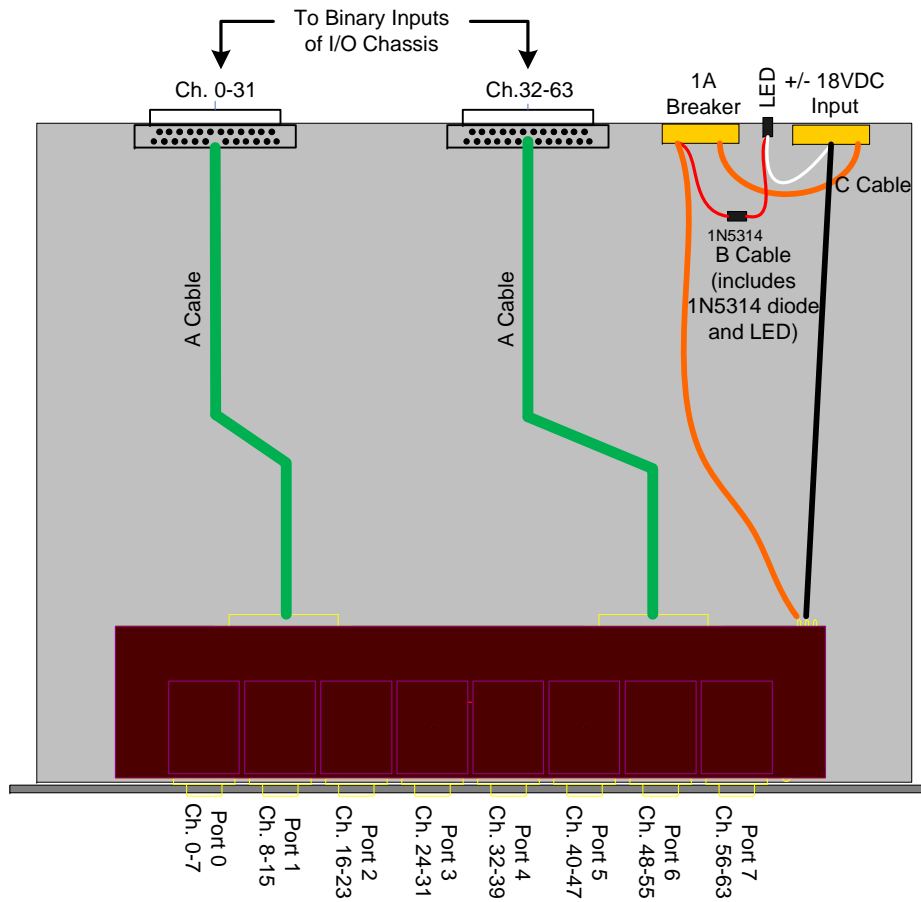


D1001726-v2: Binary Input Module



A Cable detailed in LIGO-D1002057

B Cable detailed in LIGO-T1000454, Photos 1 and 2, DC Wiring Detail

C Cable detailed in LIGO-T1000454, Photos 1, 2 and 3, DC Wiring Detail and Finished Wiring Harness

1U chassis, Hamilton Metalcraft Inc. part number 070012-31U

Printed circuit board LIGO-D1001036

Miscellaneous Other Hardware Bill of Materials – Page 2 of this document

Front panel details LIGO-D1002055

Rear panel details LIGO-D1002056

Miscellaneous Other Hardware				
Use	Description	Supplier	Supplier part number	Qty per module
	Custom Drilled Chassis	Hamilton	070012-3 1U	1
	Retrofit Deep-Mount Rack Ears	Hamilton	070012 RETROFIT	2
	4-40 Screws for Chassis Lid, Front & Rear Panel, PCB Mount	McMaster-Carr	91771A111	47
	4-40 screws for securing DSUB connectors	McMaster-Carr	90279A103	4
	6-32 Screws for Chassis Handles, Ears	McMaster-Carr	917500A146	10
	Chassis Handles	Mouser	534-9106	2
	Chassis Handle Ferrules	Mouser	534-9121	4
	Front Panel	Front Panel Express	D1001726_binary_in.FPD	1
	Rear Panel	Front Panel Express	D1001726_binary_in_rear.FPD	1
	DSUB Mount Female Screw 10-pack	Mouser	523-17-D20418-2-TX	3
	Green LED, leaded, panel mount	Digikey	L10005-ND	1
	4.7mA Current Limiting Diode		610-1N5314	1
	37-pin Female DSUB, Ribbon Cable End	Newark	42K6647	2
	37-pin Male DSUB, Ribbon Cable End	Digikey	CMM37G-ND	2
	ETA Circuit Breaker	Allied	3130-F120-P7T1-W02Q-1A	1
	Conec 3-pin Male Panel Mount Connector	Conec	3003W3PXX42A10X	1
	Female connector terminal (0.156")	Digikey	WM2305-ND	2
	3-pin connector housing (0.156")	Digikey	WM2112-ND	1
Binary Input Signal Cable M-F Assemblies	37 conductor/ 28AWG Flat Ribbon Cable		3M 3365/ 37 or equivalent	
Connects wires to circuit breaker	Female Crimp-on Terminal		920044-18-ND	2
Positive Voltage Power Wiring	18 AWG Stranded Hook-Up Wire - Orange		Belden 9918 or equivalent	
Ground Power Wiring	18 AWG Stranded Hook-Up Wire - Black		Belden 9918 or equivalent	