

Bill of Materials

LIGO Project

E1100612

Revision 1

Project: PSLControls.PrjPCB
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Number of boards	1
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Report Date: 6/13/2011 9:25:48 AM
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Quantity	Distributor	Part Number	Comment	Description	Designator	Footprint	Assembly Type	Quantity to Order
1	Beckhoff	EK1501	Beckhoff EtherCAT coupler w/ ID switch, fiber	Beckhoff EtherCAT coupler w/ ID switch, fiber	B1		M	1
4	Beckhoff	EL3054	4-channel analog input terminals, current loop, 4-20mA, 12 bits	4-channel analog input terminals, current loop, 4-20mA, 12 bits	B2, B3, B4, B5		M	4
1	Beckhoff	EK1110	Beckhoff EtherCAT extension	Beckhoff EtherCAT extension	B6		M	1
4	McMaster-Carr	91099A205	#6-32 1/4" flat	#6-32 1/4" flat head screw	E1, E2, E3, E4		M	4
1	LIGO	D0902552-v3	EtherCAT chassis	Additional part number	PN1		M	1
1	LIGO	D1101121-v1	Name Plate	Additional part number	PN2		M	1
7	LIGO	D0902557-v1	Adapter panel	Blank	PN3, PN6, PN11, PN15, PN16, PN17, PN18		M	7
2	Newark	52M9124	Fiber LC-LC coupler	Additional part number	PN4, PN5		M	2
4	LIGO	D1100095-v2	Fiber coupler panel adapter	Additional part number	PN7, PN8, PN9, PN10		M	4
2	L-Com	FODSC50-LC-01	Fiber patch cable, LC-SC	Additional part number	PN12, PN13		M	2
1	Newark	21M5874	Ethernet patch cable, 3'	Additional part number	PN14		M	1
1	LIGO	D1101120-v1	Adapter panel	Laser/Ante	PN19		M	1
2	LIGO	D0902568-v1	DB25F adapter	Additional part number	PN20, PN22		M	2
1	LIGO	D1101122-v1	Adapter panel	Diode/Chiller	PN21		M	1
10	Digi-Key	277-1483-ND	Terminal Block	Terminal Block	PN23, PN24, PN25, PN26, PN27, PN29, PN30, PN31, PN32, PN33		M	10
1	Digi-Key	277-1495-ND	End Plate	End Plate	PN28		M	1
2	Digi-Key	277-1494-ND	Jumper, 10pos	Jumper, 10pos	PN34, PN35		M	2
45	Total pieces							

Summary per Board	
Total # of unique parts	17
SMT Placements per board	0
Thru-Hole placement per board	0
Fine pitch placement per board	0
BGA placement per board	0
Mechanical placement per board	45