

H1 Squeezer Connection/Cable Table

E1000109-v1

Name	Description	Origin	Connector	Destination	Connector	Length	Distributor	Part Number
SQZ:29M	29.507MHz signal	R35/Osc.	N	R31/RF amp.	N	12"	Pasternack	PE3441-12
SQZ:29MA	29.507MHz signal	R31/RF amp.	N	R30/DLPS	TNC	12"	Pasternack	PE3661-12
SQZ:29MB	29.507MHz signal	R31/RF amp.	N	R30/DLPS	TNC	12"	Pasternack	PE3661-12
SQZ:29MC	29.507MHz signal	R31/RF amp.	N	R29/DLPS	TNC	12"	Pasternack	PE3661-12
SQZ:29MD	29.507MHz signal	R30/DLPS	TNC	R28/demod.	TNC	12"	Pasternack	PE3394-12
SQZ:29ME	29.507MHz signal	R30/DLPS	TNC	R28/demod.	TNC	12"	Pasternack	PE3394-12
SQZ:29MF	29.507MHz signal	R29/DLPS	TNC	R27/demod.	TNC	12"	Pasternack	PE3394-12
SQZ:35M	35.5MHz signal	R35/Osc.	N	L29/RF amp.	N	48"	Pasternack	PE3441-48
SQZ:35MA	35.5MHz signal	L29/RF amp.	N	L28/DLPS	TNC	12"	Pasternack	PE3661-12
SQZ:35MB	35.5MHz signal	L28/DLPS	TNC	L27/demod.	TNC	12"	Pasternack	PE3394-12
SQZ:59M	59.014MHz signal	R31/RF amp.	N	L31/RF amp.	N	48"	Pasternack	PE3441-48
SQZ:59MA	59.014MHz signal	L31/RF amp.	N	L28/DLPS	TNC	12"	Pasternack	PE3661-12
SQZ:59MB	59.014MHz signal	L28/DLPS	TNC	L27/demod.	TNC	12"	Pasternack	PE3394-12
SQZ:79M	78.89MHz signal	R35/Osc.	N	R33/RF amp.	N	18"	Pasternack	PE3441-24
SQZ:79MA	78.89MHz signal	R33/RF amp.	N	R29/DLPS	TNC	12"	Pasternack	PE3661-12
SQZ:79MB	78.89MHz signal	R29/DLPS	TNC	R27/demod.	TNC	12"	Pasternack	PE3394-12
SQZ:A2,1	SQZ angle PZT actuator path	L22/CMSB	TNC	L13/PZT drv.	?NC	36"		
SQZ:A2,2	SQZ angle AO actuator path	L22/CMSB	TNC	L24/panel	TNC	12"	Pasternack	PE3394-12
SQZ:A3,1	AS port LO PZT actuator path	R23/CMSB	TNC	R13/PZT drv.	?NC	36"		
SQZ:A3,2	AS port LO AO actuator path	R23/CMSB	TNC	R24/panel	TNC	12"	Pasternack	PE3394-12
SQZ:A4	OPO PZT actuator path	R22/CMSB	TNC	R13/PZT drv.	?NC	36"		
SQZ:A5	SHG PZT actuator path	L22/CMSB	TNC	L13/PZT drv.	?NC	36"		
SQZ:AC1	AC power cable			R13/PZT drv.		120"		
SQZ:AC2	AC power cable			R17/PZT drv.		120"		
SQZ:AC3	AC power cable			R9/ECAT		120"		
SQZ:AC4	AC power cable			R5/ECAT		120"		
SQZ:AC5	AC power cable			R1/ECAT		120"		
SQZ:AC6	AC power cable			L16A/3040		120"		
SQZ:AC7	AC power cable			L16B/3040		120"		
SQZ:AC8	AC power cable			L13/PZT drv.		120"		
SQZ:AC9	AC power cable			L10/HVPS		120"		
SQZ:AC10	AC power cable			L4/PS		120"		
SQZ:AC11	AC power cable			L3/PS		120"		
SQZ:AC12	AC power cable			L2/PS		120"		
SQZ:AC13	AC power cable			L1/PS		120"		
SQZ:AMA	AM modulation homodyne path	FTP	N	AOM	SMA			
SQZ:AOM1A	AOM drive at PSL pickoff, 78.89MHz	R33/RF amp.	N	R36/panel	N	12"	Pasternack	PE3441-12
SQZ:AOM1B	AOM drive at PSL pickoff, 78.89MHz	R36/panel	N	PSL	N	1800"		
SQZ:AUXA	Slow controls, auxiliary A	R1/ECAT	DB37/m	L19/Breakout	DB37/f	72"	L-com	CS2N37MF-5
SQZ:AUXB	Slow controls, auxiliary B	R1/ECAT	DB37/m	L19/Breakout	DB37/f	72"	L-com	CS2N37MF-5
SQZ:CFSS1	Slow controls, FSS 1	R9/ECAT	DB25/m	R20/FSS	DB25/f	36"	L-com	CS2N25MF-5

SQZ:M1YA								
SQZ:M1YB								
SQZ:M1YC								
SQZ:M2PA								
SQZ:M2PB								
SQZ:M2PC								
SQZ:M2YA								
SQZ:M2YB								
SQZ:M2YC								
SQZ:N1	Signal cable between rack and table	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:N2	Signal cable between rack and table	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:N3	Signal cable between rack and table	L36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:N4	Signal cable between rack and table	L36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:N5	Signal cable between rack and table	L36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:NET1	EtherCAT network, 100bT	computer	RJ45	R9/ECAT	RJ45	600"	L-com	TRD855SCR-50
SQZ:NET2	EtherCAT network, 100bT	R9/ECAT	RJ45	R5/ECAT	RJ45	18"	L-com	TRD815BLK-2
SQZ:NET3	EtherCAT network, 100bT	R5/ECAT	RJ45	R1/ECAT	RJ45	18"	L-com	TRD815BLK-2
SQZ:OPOHV	High voltage, PZT drive, OPO	R13/PZT drv.	SHV	FTP	SHV	600"	Pasternack	PE3895-600
SQZ:OPOHVA	High voltage, SHG PZT drive	FTP	SHV	SHG PZT	SHV			
SQZ:OPOTEC	TEC controller cable	L17/4030	DB15/m	FTP	DB15/f	600"	L-com	CSMNB15MF-50
SQZ:OPOTECA	TEC controller cable	FTP	DB15/m	SHG PZT	DB15/f			
SQZ:P1	Low voltage power	RR25/strip	CPC-9	R35/Osc.	CPC-9	6"	LIGO	
SQZ:P2	Low voltage power	RR25/strip	CPC-9	R33/RF amp.	CPC-9	6"	LIGO	
SQZ:P3	Low voltage power	RR25/strip	CPC-9	R31/RF amp.	CPC-9	6"	LIGO	
SQZ:P4	Low voltage power	RR25/strip	CPC-9	R30/DLPS	CPC-9	6"	LIGO	
SQZ:P5	Low voltage power	RR25/strip	CPC-9	R29/DLPS	CPC-9	6"	LIGO	
SQZ:P6	Low voltage power	RR25/strip	CPC-9	R28/demod.	CPC-9	6"	LIGO	
SQZ:P7	Low voltage power	RR25/strip	CPC-9	R27/demod.	CPC-9	6"	LIGO	
SQZ:P8	Low voltage power	RR19/strip	CPC-9	R23/CMSB	CPC-9	6"	LIGO	
SQZ:P9	Low voltage power	RR19/strip	CPC-9	R22/CMSB	CPC-9	6"	LIGO	
SQZ:P10	Low voltage power	LL25/strip	CPC-9	L31/RF amp.	CPC-9	6"	LIGO	
SQZ:P11	Low voltage power	LL25/strip	CPC-9	L29/RF amp.	CPC-9	6"	LIGO	
SQZ:P12	Low voltage power	LL25/strip	CPC-9	L28/DLPS	CPC-9	6"	LIGO	
SQZ:P13	Low voltage power	LL25/strip	CPC-9	L27/demod.	CPC-9	6"	LIGO	
SQZ:P14	Low voltage power	LL19/strip	CPC-9	L23/CMSB	CPC-9	6"	LIGO	
SQZ:P15	Low voltage power	LL19/strip	CPC-9	L22/CMSB	CPC-9	6"	LIGO	
SQZ:P16	Low voltage power	RR19/strip	CPC-9	R20/FSS	CPC-9	6"	LIGO	
SQZ:P17	Low voltage power	RR19/strip	CPC-9	R19/FSS	CPC-9	6"	LIGO	
SQZ:P18	Low voltage power	RR19/strip	CPC-9	R18/PD	CPC-9	6"	LIGO	
SQZ:PC35A	35.5MHz modulation signal	L31/RF amp.	N	L36/panel	N	18"	Pasternack	PE3441-24
SQZ:PC35B	35.5MHz modulation signal	L36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PC35C	35.5MHz modulation signal	FTP	N	Diplexer	SMA			
SQZ:PC35D	35.5MHz modulation signal	Diplexer	SMA	EOM	SMA	12"		
SQZ:PC79A	78.89MHz modulation signal	R33/RF amp.	N	R36/panel	N	12"	Pasternack	PE3441-12

SQZ:PC79B	78.89MHz modulation signal	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PC79C	78.89MHz modulation signal	FTP	N	EOM	SMA			
SQZ:PD0A	FSS1 PD RF signal	S3/FSS1	SMA	FTP	TNC			
SQZ:PD0B	FSS1 PD RF signal	FTP	TNC	PD 0	SMA			
SQZ:PD1A	FSS2 PD RF signal	S1/FSS2	SMA	FTP	TNC			
SQZ:PD1B	FSS2 PD RF signal	FTP	TNC	PD 1	SMA			
SQZ:PD2A	SQZ PD RF signal	L27/demod.	SMA	L36/panel	N	24"	Pasternack	PE3662-24
SQZ:PD2B	SQZ PD RF signal	L36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PD2C	SQZ PD RF signal	FTP	N	SQZ PD	SMA			
SQZ:PD3A	LO PD RF signal	R28/demod.	SMA	R36/panel	N	24"	Pasternack	PE3662-24
SQZ:PD3B	LO PD RF signal	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PD4A	SHG PD RF signal	L27/demod.	SMA	L36/panel	N	24"	Pasternack	PE3662-24
SQZ:PD4B	SHG PD RF signal	L36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PD4C	SHG PD RF signal	FTP	N	SHG PD	SMA			
SQZ:PD5A	OPO PD RF signal	R27/demod.	SMA	R36/panel	N	24"	Pasternack	PE3662-24
SQZ:PD5B	OPO PD RF signal	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PD5C	OPO PD RF signal	FTP	N	OPO PD	SMA			
SQZ:PD6A	Homodyne LO signal	R31/RF amp.	N	R36/panel	N	18"	Pasternack	PE3441-24
SQZ:PD6B	Homodyne LO signal	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PD6C	Homodyne LO signal	FTP	N	homod. PD	SMA			
SQZ:PD6D	Homodyne demod. signal	FTP	TNC	homod. PD	SMA			
SQZ:PD6DC	Homodyne DC signal	R36/panel	TNC	FTP	TNC			
SQZ:PD6E	Homodyne DC signal	FTP	TNC	homod. PD	SMA			
SQZ:PD7A	Align PD RF signal	R27/demod.	SMA	R36/panel	N	24"	Pasternack	PE3662-24
SQZ:PD7B	Align PD RF signal	R36/panel	N	FTP	N	600"	L-com	CA-NMRNMF050
SQZ:PD7C	Align PD RF signal	FTP	N	Align PD	SMA			
SQZ:PD8A	Laser 0 power	FTP	TNC	PDA10	SMA			
SQZ:PD8B	Laser 0 power	L24/panel	TNC	L19/Breakout	BNC	12"		
SQZ:PD9A	Green power	FTP	TNC	PDA10	SMA			
SQZ:PD9B	Green power	L24/panel	TNC	L19/Breakout	BNC	12"		
SQZ:PDI1	Slow controls, Photodiode interface	L19/Breakout	DB37/f	R18/PD	DB37/m	36"	L-com	CS2N37MF-5
SQZ:PDPWR1								
SQZ:PDPWR2								
SQZ:PDPWR3								
SQZ:PDPWR4								
SQZ:PDPWR5								
SQZ:PDPWR6								
SQZ:PDRF	Slow controls, Photodiodes/RF amps.	R1/ECAT	DB37/m	L19/Breakout	DB37/f	72"	L-com	CS2N37MF-5
SQZ:PP1	Low voltage power	RR25/strip	CPC-9	L1-4/PS	-	108"	LIGO	
SQZ:PP2	Low voltage power	LL25/strip	CPC-9	L1-4/PS	-	108"	LIGO	
SQZ:PP3	Low voltage power	RR19/strip	CPC-9	L1-4/PS	-	108"	LIGO	
SQZ:PP4	Low voltage power	LL19/strip	CPC-9	L1-4/PS	-	108"	LIGO	
SQZ:PPD2	LSC PD power cable	R18/PD	DB15/m	FTP	DB15/f	600"	L-com	CSMN15MF-50
SQZ:PPD2A	LSC PD power cable	FTP	DB15/m		DB15/f			
SQZ:PPD3	LSC PD power cable	R18/PD	DB15/m		DB15/f	600"	L-com	CSMN15MF-50

SQZ:PPD4	LSC PD power cable	R18/PD	DB15/m	FTP	DB15/f	600"	L-com	CSMNB15MF-50
SQZ:PPD4A	LSC PD power cable	FTP	DB15/m		DB15/f			
SQZ:PPD5	LSC PD power cable	R18/PD	DB15/m	FTP	DB15/f	600"	L-com	CSMNB15MF-50
SQZ:PPD5A	LSC PD power cable	FTP	DB15/m		DB15/f			
SQZ:RFAMP1	Slow controls, RF Amplifier, 29.507MHz	R31/RF amp.	DB25/m	L19/Breakout	DB25/f	60"	L-com	CS2N25MF-5
SQZ:RFAMP2	Slow controls, RF Amplifier, 78.89MHz	R33/RF amp.	DB25/m	L19/Breakout	DB25/f	60"	L-com	CS2N25MF-5
SQZ:RFAMP3	Slow controls, RF Amplifier, 59.014MHz	L31/RF amp.	DB25/m	L19/Breakout	DB25/f	36"	L-com	CS2N25MF-5
SQZ:RFAMP4	Slow controls, RF Amplifier, 35.5MHz	L29/RF amp.	DB25/m	L19/Breakout	DB25/f	36"	L-com	CS2N25MF-5
SQZ:S2	Squeezer angle error signal	L27/demod.	TNC	L22/CMSB	TNC	18"	Pasternack	PE3394-18
SQZ:S3	LO error signal	R28/demod.	TNC	R23/CMSB	TNC	18"	Pasternack	PE3394-18
SQZ:S4	SHG error signal	L27/demod.	TNC	L23/CMSB	TNC	18"	Pasternack	PE3394-18
SQZ:S5	OPO error signal	R27/demod.	TNC	R22/CMSB	TNC	18"	Pasternack	PE3394-18
SQZ:S6	Homodyne error signal	R24/panel	TNC	R23/CMSB	TNC	12"	Pasternack	PE3394-12
SQZ:S7	Align error signal	R28/demod.	TNC	R22/CMSB	TNC	18"	Pasternack	PE3394-18
SQZ:SHGHV	High voltage, PZT drive, SHG	R13/PZT drv.	SHV	FTP	SHV	600"	Pasternack	PE3895-600
SQZ:SHGHVA	High voltage, SHG PZT drive	FTP	SHV	SHG PZT	SHV			
SQZ:SHGTEC	TEC controller cable	L17/4030	DB15/m	FTP	DB15/f	600"	L-com	CSMNB15MF-50
SQZ:SHGTECA	TEC controller cable	FTP	DB15/m	SHG PZT	DB15/f			
SQZ:SQZHV	High voltage, PZT drive, SQZ angle path	L13/PZT drv.	SHV	FTP	SHV	600"	Pasternack	PE3895-600
SQZ:SQZHVA	High voltage, SQZ PZT drive	FTP	SHV	SQZ PZT	SHV			
SQZ:TNC1	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC2	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC3	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC4	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC5	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC6	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC7	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC8	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNC9	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCA	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCB	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCC	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCD	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCE	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCF	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCG	Signal cable between rack and table	L24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCH	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCI	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCJ	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCK	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCL	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCM	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCN	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TNCO	Signal cable between rack and table	R24/panel	TNC	FTP	TNC	600"	L-com	CC58T-50
SQZ:TTFSS1	TTFSS Interface cable	R20/FSS1	DB37/m	S3/FSS1	DB37/f	600"	L-com	CSMN37MF-50

SQZ:TTFSS2	TTFSS Interface cable	R19/FSS2	DB37/m	S1/FSS2	DB37/f	600"	L-com	CSMN37MF-50
SQZ:VID1A	Camera 1 video cable	FTP	BNC	camera 1	BNC			
SQZ:VID1B	Camera 1 video cable	FTP	BNC	monitor 1	BNC	600"		
SQZ:VID2A	Camera 1 video cable	FTP	BNC	camera 2	BNC			
SQZ:VID2B	Camera 1 video cable	FTP	BNC	monitor 2	BNC	600"		
SQZ:VIDP1	Camera power cable	FTP		camera 1				
SQZ:VIDP2	Camera power cable	FTP		camera 2				