



FORMAL DRAWING TREE REFERENCE DOCUMENT

TITLE: **aLIGO TCS Ring Heater Assemblies**
for Formal Design Review

DOCUMENT CONTROL NO.: **E1000295 -v1**
 RELATED DOC. CHANGE NO.: E1000291 -v1

CONTAINING ASSEMBLIES: D1001838 -v1
 D1001895 -v1

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PURPOSE: This document is the formal reference for necessary revisions of each child of the stated assemblies, and the total necessary quantities for all items.

DCN	NOTES	Level	INDENTURE CHART	QUANTITY				DWG TREE REF. NO.	DCC No.	NAME	TYPE	SOURCE	REV.	
				REQ'd	SPARE	TOT.	UNITS							
No.														
E1000291		1				1		EA	E1000295	D1001838	aLIGO [TCS] UPPER SEGMENT RING HEATER ASSY	ASSY	MTS	V1
		2				1		EA		D1001679	ALIGO TCS UPPER MONOLITH RH SHIELD	PRT	MTS	V1
		2				1	1	2	EA	D1000682	[TCS] RH GLASS ROD INSULATOR	PRT	MTS	V2
	McMASTER, ASTMB267/B344	2				19.8	19.8	39.6	FT		NICHROME WIRE, 24 BNC (DIA .5 MM)	PRT	OTS	
		2				1	1	2	EA	D1001819	RH ELEMENT RETAINER LEFT [9 O'CLOCK POSITION]	PRT	MTS	V1
		2				1	1	2	EA	D1001858	RH ELEMENT RETAINER RIGHT [3 O'CLOCK POSITION]	PRT	MTS	V1
		2				2	2	4	EA	D1001849	UPPER COPPER PLATE	PRT	MTS	V1
		2				2	2	4	EA	D1001850	LOWER COPPER PLATE	PRT	MTS	V1
	UC COMPONENTS	2				2	2	4	EA	C-210	SS SHCS-V #2-56 UNC 2A X .625 LONG	HW	OTS	
	UC COMPONENTS	2				2	2	4	EA	N-256	SS HEX NUT #2-56 UNC 2B	HW	OTS	
	UC COMPONENTS	2				4	2	6	EA	FA-404	SS FSHCS-V #4-40 UNC 2A X .25 LONG	HW	OTS	
	COONER -CalTech STOCK	2				12	12	24	IN	CZ1105	PFA COATED 28 AWG Cu WIRE, 2x 6 IN LENGTH	PRT	OTS	
	AccuGlass Inc	2				2	2	4	EA	PN 100170	ACCUGLASS PIN CONTACT 100170, MALE TYPE T-1, CRIMPED	PRT	OTS	
E1000291		1				1		EA	E1000295	D1001895	aLIGO [TCS] LOWER SEGMENT RING HEATER ASSY	ASSY	MTS	V1
		2				1		EA		D1001680	ALIGO TCS UPPER MONOLITH RH SHIELD	PRT	MTS	V1
		2				1	1	2	EA	D1000682	[TCS] RH GLASS ROD INSULATOR	PRT	MTS	V2
	McMASTER, ASTMB267/B344	2				19.8	19.8	39.6	FT		NICHROME WIRE, 24 BNC (DIA .5 MM)	PRT	OTS	
		2				1	1	2	EA	D1001819	RH ELEMENT RETAINER LEFT [3 O'CLOCK POSITION]	PRT	MTS	V1
		2				1	1	2	EA	D1001858	RH ELEMENT RETAINER RIGHT [9 O'CLOCK POSITION]	PRT	MTS	V1
		2				2	2	4	EA	D1001849	LOWER UPPER PLATE	PRT	MTS	V1
		2				2	2	4	EA	D1001850	LOWER COPPER PLATE	PRT	MTS	V1
	UC COMPONENTS	2				2	2	4	EA	C-210	SS SHCS-V #2-56 UNC 2A X .625 LONG	HW	OTS	
	UC COMPONENTS	2				2	2	4	EA	N-256	SS HEX NUT #2-56 UNC 2B	HW	OTS	
	UC COMPONENTS	2				4	2	6	EA	FA-404	SS FSHCS-V #4-40 UNC 2A X .25 LONG	HW	OTS	
	COONER -CalTech STOCK	2				12	12	24	IN	CZ1105	PFA COATED 28 AWG Cu WIRE, 2x 6 IN LENGTH	PRT	OTS	
	AccuGlass Inc	2				2	2	4	EA	PN 100170	ACCUGLASS PIN CONTACT 100170, MALE TYPE T-1, CRIMPED	PRT	OTS	