JGW-D15036014-v3 PR2 Cable List
Note: -v2 major rework, -v3 fixes from review

Note: This initial version covers only from the in-vacuum component through the feedthrough to the rack.

Key lengths - very rough estimate including spare for draping (m)

TM to BF:		2
IM to BF:		1.5
BF to TR:		1.5
TR to Flange:		2
Flange to Sat Amp	TBD1	
Flange to Rack	TBD2	
Adapter:		0.1

Needed: Bulk cable (m) | Connectors | Etc | Cables

Level	Chan	Cable Name	Type	"A" End	"A" Qty	"B" End	"B" Qty	Bulk Cable Type	Length	Multiplier	Gore	MWS	Ribbon	RJ22	DM9MV	DS9MV	DS9FV	DS9M F	DS9M IDC	DS9F IDC	PDM	PDF	PBM	PBF	RJ2 2M	CI01M	10-6 F	Feedthrough	TM OSEM to BF (01)	IM OSEM to BF (02)	IM Pico Adapter (03)	BF Pico Adapter (04)	BF&SF Stepper Adapter (05)	BF&SF LVDT Adapter (06)	Geophone Adapter (07)	BF to PI Signal (08)	SF to PI Signal (09)	Signal Cable Extension (10)	PI to Flange Signal (11)	PI to Flange Geophone (12)	PI to Flange Motor (13)	BF to PI Motor (14)	SF to PI Motor (15)	Motor Cable Extension (16)	BF to TR Signal (17)	BF to TR Motor (18)	TR to Flange Signal (19)	TR to Flange Motor (20)	BF to Flange Signal (21)	BF to Flange Motor (22)	Pico+Stepper Adapter (23)	PI Stepper Adapter (24)
TM	H1	C-BS-TM-H1-0	TM OSEM to BF (01)	DM9MV	1	DS9MV	1	Gore	2	1	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H1	C-BS-TM-H1-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
TM	H1	C-BS-TM-H1-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
TM	H1	F-BS-TM-H1	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H1	C-BS-TM-H1-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H1	C-BS-TM-H1-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H2	C-BS-TM-H2-0	TM OSEM to BF (01)	DM9MV	1	DS9MV	1	Gore	2	1	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H2	C-BS-TM-H2-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
TM	H2	C-BS-TM-H2-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
TM	H2	F-BS-TM-H2	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H2	C-BS-TM-H2-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H2	C-BS-TM-H2-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H3	C-BS-TM-H3-0	TM OSEM to BF (01)	DM9MV	1	DS9MV	1	Gore	2	1	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H3	C-BS-TM-H3-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
TM	H3	C-BS-TM-H3-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
TM	H3	F-BS-TM-H3	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H3	C-BS-TM-H3-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H3	C-BS-TM-H3-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H4	C-BS-TM-H4-0	TM OSEM to BF (01)	DM9MV	1	DS9MV	1	Gore	2	1	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H4	C-BS-TM-H4-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
TM	H4	C-BS-TM-H4-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
TM	H4	F-BS-TM-H4	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H4	C-BS-TM-H4-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TM	H4	C-BS-TM-H4-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H1	C-BS-IM-H1-0	IM OSEM to BF (02)	DM9MV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H1	C-BS-IM-H1-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
IM	H1	C-BS-IM-H1-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
IM	H1	F-BS-IM-H1	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H1	C-BS-IM-H1-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H1	C-BS-IM-H1-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H2	C-BS-IM-H2-0	IM OSEM to BF (02)	DM9MV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H2	C-BS-IM-H2-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
IM	H2	C-BS-IM-H2-3	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
IM	H2	F-BS-IM-H2	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H2	C-BS-IM-H2-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H2	C-BS-IM-H2-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H3	C-BS-IM-H3-0	IM OSEM to BF (02)	DM9MV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H3	C-BS-IM-H3-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
IM	H3	C-BS-IM-H3-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
IM	H3	F-BS-IM-H3	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H3	C-BS-IM-H3-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	H3	C-BS-IM-H3-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V1	C-BS-IM-V1-0	IM OSEM to BF (02)	DM9MV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V1	C-BS-IM-V1-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
IM	V1	C-BS-IM-V1-3	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
IM	V1	F-BS-IM-V1	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V1	C-BS-IM-V1-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V1	C-BS-IM-V1-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V2	C-BS-IM-V2-0	IM OSEM to BF (02)	DM9MV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V2	C-BS-IM-V2-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
IM	V2	C-BS-IM-V2-3	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
IM	V2	F-BS-IM-V2	Feedthrough	DS9M	0	DS9M	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V2	C-BS-IM-V2-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V2	C-BS-IM-V2-4	Basic Sat Amp	DS9F	0	DS9M	0	-	TBD1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V3	C-BS-IM-V3-0	IM OSEM to BF (02)	DM9MV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IM	V3	C-BS-IM-V3-1	BF to TR Signal (17)	DS9FV	1	DS9MV	1	Gore	1.5	1	1.5	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0

BF	SV	C-BS-BF-SV-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BF	SV	C-BS-BF-SV-4	Basic External	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BF	SV	C-BS-BF-SV-5	Stepper Adapter	DS9F	1	CI01M	1	???	0.1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	LV	C-BS-SF-LV-1	BF&SF LVDT Adapter (06	PBM	6	DS9MV	1	Gore	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	LV	C-BS-SF-LV-2	TR to Flange Signal (19)	DS9FV	1	DS9FV	1	Gore	2	1	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SF	LV	F-BS-SF-LV	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	LV	C-BS-SF-LV-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	LV	C-BS-SF-LV-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	SV	C-BS-SF-SV-1	BF&SF Stepper Adapter ((	PBM	4	DS9M	1	MWS	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	SV	C-BS-SF-SV-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2	1	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
SF	SV	F-BS-SF-SV	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	SV	C-BS-SF-SV-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	SV	C-BS-SF-SV-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SF	SV	C-BS-SF-SV-5	Stepper Adapter	DS9F	1	CI01M	1	???	0.1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1X	C-PR2-TR-1X-1	Stepper	???	???	DS9M	1	???	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1X	C-PR2-TR-1X-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TR	1X	F-PR2-TR-1X	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1X	C-PR2-TR-1X-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1X	C-PR2-TR-1X-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1X	C-PR2-TR-1X-5	Stepper Splitter	DS9F	1	CI01M	1	???	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1Y	C-PR2-TR-1Y-1	Stepper	???	???	DS9M	1	???	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1Y	C-PR2-TR-1Y-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TR	1Y	F-PR2-TR-1Y	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1Y	C-PR2-TR-1Y-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1Y	C-PR2-TR-1Y-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	1Y	C-PR2-TR-1Y-5	Stepper Splitter	DS9F	1	CI01M	1	???	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2X	C-PR2-TR-2X-1	Stepper	???	???	DS9M	1	???	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2X	C-PR2-TR-2X-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TR	2X	F-PR2-TR-2X	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2X	C-PR2-TR-2X-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2X	C-PR2-TR-2X-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2X	C-PR2-TR-2X-5	Stepper Splitter	DS9F	1	CI01M	1	???	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2Y	C-PR2-TR-2Y-1	Stepper	???	???	DS9M	1	???	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2Y	C-PR2-TR-2Y-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TR	2Y	F-PR2-TR-2Y	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2Y	C-PR2-TR-2Y-3	Anti-Feedthrough	DS9F IDC	1	DS9M IDC	1	Ribbon	0.1	1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2Y	C-PR2-TR-2Y-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	2Y	C-PR2-TR-2Y-5	Stepper Splitter	DS9F	1	CI01M	1	???	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T3R3	C-PR2-TR-XX-1	Position Sensor	GN-PT5M	4	DS9M	1	???	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T3R3	C-PR2-TR-XX-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2.5	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TR	T3R3	F-PR2-TR-XX	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T3R3	C-PR2-TR-XX-3	Anti-Feedthrough	DS9F	1	DS9M	1	–	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T3R3	C-PR2-TR-XX-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
~~TR~~	~~T3R3~~	~~C-PR2-TR-XX-5~~	~~Pos Sensor Splitter~~	~~DS9F~~	~~1~~	~~???~~	~~???~~	~~???~~	~~0.1~~	~~1~~	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0																0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T4R4	C-PR2-TR-T4R4-1	Position Sensor	GN-PT5M	4	DS9M	1	???	0.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T4R4	C-PR2-TR-T4R4-2	TR to Flange Motor (20)	DS9FV	1	DS9FV	1	MWS	2.5	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TR	T4R4	F-PR2-TR-T4R4	Feedthrough	DS9M	0	DS9M	0	–	–	–	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T4R4	C-PR2-TR-T4R4-3	Anti-Feedthrough	DS9F	1	DS9M	1	–	0.3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TR	T4R4	C-PR2-TR-T4R4-4	Basic Rack	DS9F	0	DS9M	0	–	TBD2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
~~TR~~	~~T4R4~~	~~C-PR2-TR-T4R4-5~~	~~Pos Sensor Splitter~~	~~DS9F~~	~~1~~	~~???~~	~~???~~	~~???~~	~~0.1~~	~~1~~	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											Gore	MWS	Ribbon	RJ22	DM9MV	DS9MV	DS9FV	DS9M	DS9F	DS9M IDC	DS9F IDC	PDM	PDF	PBM	PBF	RJ22M	CI01M	10-6F	Feedthrough	TM OSEM to BF (01)	IM OSEM to BF (02)	IM Pico Adapter (03)	BF Pico Adapter (04)	BF&SF Stepper Adapter (05)	BF&SF LVDT Adapter (06)	Geophone Adapter (07)	BF to PI Signal (08)	SF to PI Signal (09)	Signal Cable Extension (10)	PI to Flange Signal (11)	PI to Flange Geophone (12)	PI to Flange Motor (13)	BF to PI Motor (14)	SF to PI Motor (15)	Motor Cable Extension (16)	BF to TR Signal (17)	BF to TR Motor (18)	TR to Flange Signal (19)	TR to Flange Motor (20)	BF to Flange Signal (21)	BF to Flange Motor (22)	Pico+Stepper Adapter (23)	PI Stepper Adapter (24)
											59.5	33	2	0.2	10	29	46	3	6	15	15	0	10	20	0	5	2	0	20	4	6	1	1	2	2	0	0	0	0	0	0	0	0	0	0	11	3	12	8	0	0	0	0