

ECAT End

E1300109-v4.xlsx

End Remote

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	End Remote	L	2	EL3202	RTD Inputs Channel	1	Value	PLC1	Standard	Inputs	WORD	PemEndTempCerRack1DegcIn				
H1	End Remote	L	2	EL3202	RTD Inputs Channel	2	Value	PLC1	Standard	Inputs	WORD	PemEndTempSupRack1DegcIn				
H1	End Remote	R	1	EL6692	IO Inputs	—	PLC1toEndY	PLC2	Standard	Inputs	STRUCT	RecieveFromCornerPLC1	—			
H1	End Remote	R	1	EL6692	IO Inputs	—	PLC2toEndY	PLC2	Standard	Inputs	STRUCT	RecieveFromCornerPLC2	—			
H1	End Remote	R	1	EL6692	IO Outputs	—	EndYtoPLC2	PLC2	Standard	Inputs	STRUCT	SendToCornerPLC2	—			

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	ISC Common	L	1	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndRefiServoln	SumMon			
H1	ISC Common	L	1	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndRefiServoln	SplitMon			
H1	ISC Common	L	2	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndRefiServoln	FastMon			
H1	ISC Common	L	2	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndRefiServoln	SlowfbMon			
H1	ISC Common	L	3	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndRefiServoln	SlowMon			
H1	ISC Common	L	4	EI4132	Channel	1	Output	PLC2	Standard	Outputs	WORD	AlsEndRefiServoOut	ComOfs			
H1	ISC Common	L	4	EI4132	Channel	2	Output	PLC2	Standard	Outputs	WORD	AlsEndRefiServoOut	SlowOfs			
H1	ISC Common	L	5	EI4132	Channel	1	Output	PLC2	Standard	Outputs	WORD	AlsEndRefiServoOut	SlowoutOfs			
H1	ISC Common	L	7	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	AlsEndRefiServoln	FastLimit			
H1	ISC Common	L	7	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	AlsEndRefiServoln	Ok			
H1	ISC Common	L	8	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastGain	0	0	1
H1	ISC Common	L	8	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastGain	1	0	1
H1	ISC Common	L	8	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastGain	2	0	1
H1	ISC Common	L	8	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastGain	3	0	1
H1	ISC Common	L	9	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastGain	4	0	1
H1	ISC Common	L	9	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastGain	5	0	1
H1	ISC Common	L	9	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastExcEn			
H1	ISC Common	L	9	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastOpt			
H1	ISC Common	L	10	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	LatchEn			
H1	ISC Common	L	10	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	SlowExcEn			
H1	ISC Common	L	10	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Pol			
H1	ISC Common	L	10	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Pol			
H1	ISC Common	L	11	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Gain	0	0	1
H1	ISC Common	L	11	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Gain	1	0	1
H1	ISC Common	L	11	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Gain	2	0	1
H1	ISC Common	L	11	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Gain	3	0	1
H1	ISC Common	L	12	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Gain	4	0	1
H1	ISC Common	L	12	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1Gain	5	0	1
H1	ISC Common	L	12	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Gain	0	0	1
H1	ISC Common	L	12	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Gain	1	0	1
H1	ISC Common	L	13	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Gain	2	0	1
H1	ISC Common	L	13	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Gain	3	0	1
H1	ISC Common	L	13	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Gain	4	0	1
H1	ISC Common	L	13	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2Gain	5	0	1
H1	ISC Common	L	15	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In1En			
H1	ISC Common	L	15	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	In2En			
H1	ISC Common	L	15	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	OutSw			
H1	ISC Common	L	15	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	ComBoost	0	0	1
H1	ISC Common	L	16	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	ComBoost	1	0	1
H1	ISC Common	L	16	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	ComComp			
H1	ISC Common	L	16	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	ComExcEn			
H1	ISC Common	L	16	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	ComOpt			
H1	ISC Common	L	17	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	SlowPol			
H1	ISC Common	L	17	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	ComFilter			
H1	ISC Common	L	17	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastEn			
H1	ISC Common	L	17	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	FastPol			
H1	ISC Common	L	18	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	SlowOpt			
H1	ISC Common	L	18	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefiServoOut	SlowBypass			

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ISC Common

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	ISC Common	L	18	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI ServoOut	SlowOfs5V			
H1	ISC Common	L	18	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI ServoOut	SlowOfsEn			
H1	ISC Common	L	19	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI ServoOut	SlowComp			
H1	ISC Common	L	19	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI ServoOut	SlowBoost			
H1	ISC Common	L	19	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI ServoOut	SlowFilter			
H1	ISC Common	L	19	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI ServoOut	FastLimiter			
H1	ISC Common	M	1	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrServoIn	SumMon			
H1	ISC Common	M	1	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrServoIn	SplitMon			
H1	ISC Common	M	2	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrServoIn	FastMon			
H1	ISC Common	M	2	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrServoIn	SlowfbMon			
H1	ISC Common	M	3	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrServoIn	SlowMon			
H1	ISC Common	M	4	EL4132	Channel	1	Output	PLC2	Standard	Outputs	WORD	AlsEndFibrServoOut	ComOfs			
H1	ISC Common	M	4	EL4132	Channel	2	Output	PLC2	Standard	Outputs	WORD	AlsEndFibrServoOut	SlowOfs			
H1	ISC Common	M	5	EL4132	Channel	1	Output	PLC2	Standard	Outputs	WORD	AlsEndFibrServoOut	SlowoutOfs			
H1	ISC Common	M	7	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	AlsEndFibrServoIn	FastLimit			
H1	ISC Common	M	7	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	AlsEndFibrServoIn	Ok			
H1	ISC Common	M	8	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastGain	0	0	1
H1	ISC Common	M	8	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastGain	1	0	1
H1	ISC Common	M	8	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastGain	2	0	1
H1	ISC Common	M	8	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastGain	3	0	1
H1	ISC Common	M	9	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastGain	4	0	1
H1	ISC Common	M	9	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastGain	5	0	1
H1	ISC Common	M	9	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastExcEn			
H1	ISC Common	M	9	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastOpt			
H1	ISC Common	M	10	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	LatchEn			
H1	ISC Common	M	10	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowExcEn			
H1	ISC Common	M	10	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Pol			
H1	ISC Common	M	10	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Pol			
H1	ISC Common	M	11	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Gain	0	0	1
H1	ISC Common	M	11	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Gain	1	0	1
H1	ISC Common	M	11	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Gain	2	0	1
H1	ISC Common	M	11	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Gain	3	0	1
H1	ISC Common	M	12	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Gain	4	0	1
H1	ISC Common	M	12	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1Gain	5	0	1
H1	ISC Common	M	12	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Gain	0	0	1
H1	ISC Common	M	12	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Gain	1	0	1
H1	ISC Common	M	13	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Gain	2	0	1
H1	ISC Common	M	13	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Gain	3	0	1
H1	ISC Common	M	13	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Gain	4	0	1
H1	ISC Common	M	13	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2Gain	5	0	1
H1	ISC Common	M	15	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In1En			
H1	ISC Common	M	15	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	In2En			
H1	ISC Common	M	15	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	OutSw			
H1	ISC Common	M	15	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	ComBoost	0	0	1
H1	ISC Common	M	16	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	ComBoost	1	0	1
H1	ISC Common	M	16	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	ComComp			
H1	ISC Common	M	16	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	ComExcEn			

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ISC Common

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	ISC Common	M	16	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	ComOpt			
H1	ISC Common	M	17	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowPol			
H1	ISC Common	M	17	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	ComFilter			
H1	ISC Common	M	17	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastEn			
H1	ISC Common	M	17	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastPol			
H1	ISC Common	M	18	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowOpt			
H1	ISC Common	M	18	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowBypass			
H1	ISC Common	M	18	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowOfs5V			
H1	ISC Common	M	18	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowOfsEn			
H1	ISC Common	M	19	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowComp			
H1	ISC Common	M	19	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowBoost			
H1	ISC Common	M	19	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	SlowFilter			
H1	ISC Common	M	19	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrServoOut	FastLimiter			
H1	ISC Common	R	1	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	ReferenceMon			
H1	ISC Common	R	1	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	DividerMon			
H1	ISC Common	R	2	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	OutputMon			
H1	ISC Common	R	2	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	ReferenceTemp			
H1	ISC Common	R	3	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	DividerTemp			
H1	ISC Common	R	3	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	OutputTemp			
H1	ISC Common	R	4	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndVcoln	TuneMon			
H1	ISC Common	R	5	EL4132	Channel	1	Output	PLC2	Standard	Outputs	WORD	AlsEndVcoOut	TuneOfs			
H1	ISC Common	R	7	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	AlsEndVcoln	ExcitationSwitch			
H1	ISC Common	R	7	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	AlsEndVcoln	PowerOk			
H1	ISC Common	R	8	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndVcoOut	ExcitationEn			
H1	ISC Common	R	10	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	0	0	1
H1	ISC Common	R	10	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	1	0	1
H1	ISC Common	R	10	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	2	0	1
H1	ISC Common	R	10	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	3	0	1
H1	ISC Common	R	11	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	4	0	1
H1	ISC Common	R	11	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	5	0	1
H1	ISC Common	R	11	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	6	0	1
H1	ISC Common	R	11	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	7	0	1
H1	ISC Common	R	12	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	DelayStep	8	0	1
H1	ISC Common	R	12	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefl_APhaseOut	LatchEn			
H1	ISC Common	R	12	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	0	0	1
H1	ISC Common	R	12	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	1	0	1
H1	ISC Common	R	13	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	2	0	1
H1	ISC Common	R	13	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	3	0	1
H1	ISC Common	R	13	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	4	0	1
H1	ISC Common	R	13	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	5	0	1
H1	ISC Common	R	14	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	6	0	1
H1	ISC Common	R	14	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	7	0	1
H1	ISC Common	R	14	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	DelayStep	8	0	1
H1	ISC Common	R	14	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_APhaseOut	LatchEn			

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	End 2	L	1	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	LaserDiode1PowerMonitor			
H1	End 2	L	1	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	LaserDiode2PowerMonitor			
H1	End 2	L	1	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	LaserCrystalTECErrorSignal			
H1	End 2	L	1	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	DoublingCrystalTECErrorSignal			
H1	End 2	L	2	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	LaserDiode1TECErrorSignal			
H1	End 2	L	2	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	LaserDiode2TECErrorSignal			
H1	End 2	L	2	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserHeadIn	NoiseEaterMonitor			
H1	End 2	L	2	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD					
H1	End 2	L	3	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	AlsEndLaserHeadIn	LaserDiode1TempGuard			
H1	End 2	L	3	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	AlsEndLaserHeadIn	LaserDiode2TempGuard			
H1	End 2	L	3	EL1124	Channel	3	Input	PLC2	Standard	Inputs	BOOL	AlsEndLaserHeadIn	Interlock			
H1	End 2	L	3	EL1124	Channel	4	Input	PLC2	Standard	Inputs	BOOL					
H1	End 2	L	5	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndFiber_ADemodIn	RFMon			
H1	End 2	L	5	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndFiber_ADemodIn	LOMon			
H1	End 2	L	5	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_ADemodIn	RFMon			
H1	End 2	L	5	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_ADemodIn	LOMon			
H1	End 2	L	6	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndRefI_ADemodIn	RFMon			
H1	End 2	L	6	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndRefI_ADemodIn	LOMon			
H1	End 2	L	6	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_BDemodIn	RFMon			
H1	End 2	L	6	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_BDemodIn	LOMon			
H1	End 2	L	7	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	AlsEndFiber_ADemodIn	PowerOk			
H1	End 2	L	7	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	AlsEndFiber_ADemodIn	Sign			
H1	End 2	L	7	EL1124	Channel	3	Input	PLC2	Standard	Inputs	BOOL	AlsEndSpare_ADemodIn	Sign			
H1	End 2	L	7	EL1124	Channel	4	Input	PLC2	Standard	Inputs	BOOL	AlsEndRefI_ADemodIn	PowerOk			
H1	End 2	L	9	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	IscRfEndAmp71mIn	OutputMon			
H1	End 2	L	9	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	IscRfEndAmp21m4In	OutputMon			
H1	End 2	L	9	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	IscRfEndAlsDiv39m9In	OutputMon			
H1	End 2	L	9	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	IscRfEndSpareIn	OutputMon			
H1	End 2	L	10	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	IscRfEndAmp71mIn	PowerOk			
H1	End 2	L	10	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	IscRfEndAmp21m4In	PowerOk			
H1	End 2	L	10	EL1124	Channel	3	Input	PLC2	Standard	Inputs	BOOL	IscRfEndAlsDiv39m9In	PowerOk			
H1	End 2	L	10	EL1124	Channel	4	Input	PLC2	Standard	Inputs	BOOL	IscRfEndSpareIn	PowerOk			
H1	End 2	L	12	EL3104	AI Standard Channel	1	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	UpperVoltage			
H1	End 2	L	12	EL3104	AI Standard Channel	2	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	UpperRtd			
H1	End 2	L	12	EL3104	AI Standard Channel	3	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	UpperPcb			
H1	End 2	L	12	EL3104	AI Standard Channel	4	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	UpperCurrent			
H1	End 2	L	13	EL3104	AI Standard Channel	1	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	LowerVoltage			
H1	End 2	L	13	EL3104	AI Standard Channel	2	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	LowerRtd			
H1	End 2	L	13	EL3104	AI Standard Channel	3	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	LowerPcb			
H1	End 2	L	13	EL3104	AI Standard Channel	4	Value	PLC3	Standard	Inputs	WORD	TcsRHEIn	LowerCurrent			
H1	End 2	L	14	EL4134	AI Standard Channel	1	Value	PLC3	Standard	Outputs	WORD	TcsRHEOut	SetUpperDriveCurrent			
H1	End 2	L	14	EL4134	AI Standard Channel	2	Value	PLC3	Standard	Outputs	WORD	TcsRHEOut	SetUpperDriveAwg			
H1	End 2	L	14	EL4134	AI Standard Channel	3	Value	PLC3	Standard	Outputs	WORD	TcsRHEOut	SetLowerDriveCurrent			
H1	End 2	L	14	EL4134	AI Standard Channel	4	Value	PLC3	Standard	Outputs	WORD	TcsRHEOut	SetLowerDriveAwg			
H1	End 2	L	15	EL1124	Channel	1	Input	PLC3	Standard	Inputs	BOOL	TcsHWSEOut	DalsaCameraSwitch			
H1	End 2	L	15	EL1124	Channel	2	Input	PLC3	Standard	Inputs	BOOL	TcsHWSEOut	RcxClinkSwitch			
H1	End 2	L	15	EL1124	Channel	3	Input	PLC3	Standard	Inputs	BOOL					
H1	End 2	L	15	EL1124	Channel	4	Input	PLC3	Standard	Inputs	BOOL					
H1	End 2	M	1	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt2In	HV10MonitorPZTX			
H1	End 2	M	1	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt2In	PositionSensorPZTX			

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	End 2	M	1	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt2In	HV10MonitorPZTY			
H1	End 2	M	1	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt2In	PositionSensorPZTY			
H1	End 2	M	2	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt1In	HV10MonitorPZTX			
H1	End 2	M	2	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt1In	PositionSensorPZTX			
H1	End 2	M	2	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt1In	HV10MonitorPZTY			
H1	End 2	M	2	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndPzt1In	PositionSensorPZTY			
H1	End 2	M	3	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndRefI_BDcIn	DCPower			
H1	End 2	M	3	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	LscEndTr_ADcIn	DCPower			
H1	End 2	M	3	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserGRDcIn	DCPower			
H1	End 2	M	3	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndFiber_ADcIn	DCPower			
H1	End 2	M	4	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_CDcIn	DCPower			
H1	End 2	M	4	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_DDcIn	DCPower			
H1	End 2	M	4	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_EDcIn	DCPower			
H1	End 2	M	4	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_FDcIn	DCPower			
H1	End 2	M	5	EL4132	AI Standard Channel	1	Value	PLC2	Standard	Outputs	WORD	AlsEndLaserOut	CrystalTemperature			
H1	End 2	M	5	EL4132	AI Standard Channel	2	Value	PLC2	Standard	Outputs	WORD	AlsEndLaserOut	DoublerTemperature			
H1	End 2	M	7	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	IscEndExtraIn	BI1			
H1	End 2	M	7	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL	IscEndExtraIn	BI2			
H1	End 2	M	7	EL1124	Channel	3	Input	PLC2	Standard	Inputs	BOOL	IscEndExtraIn	BI3			
H1	End 2	M	7	EL1124	Channel	4	Input	PLC2	Standard	Inputs	BOOL	IscEndExtraIn	BI4			
H1	End 2	M	8	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	IscEndExtraOut	BO1			
H1	End 2	M	8	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	IscEndExtraOut	BO2			
H1	End 2	M	8	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	IscEndExtraOut	BO3			
H1	End 2	M	8	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	IscEndExtraOut	BO4			
H1	End 2	M	9	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	IscEndExtraIn	AI1			
H1	End 2	M	9	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	IscEndExtraIn	AI2			
H1	End 2	M	9	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	IscEndExtraIn	AI3			
H1	End 2	M	9	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	ReceiveFromRt	I[1]			
H1	End 2	M	10	EL4134	AI Standard Channel	1	Value	PLC2	Standard	Outputs	WORD	IscEndExtraOut	AO1			
H1	End 2	M	10	EL4134	AI Standard Channel	2	Value	PLC2	Standard	Outputs	WORD	IscEndExtraOut	AO2			
H1	End 2	M	10	EL4134	AI Standard Channel	3	Value	PLC2	Standard	Outputs	WORD	IscEndExtraOut	AO3			
H1	End 2	M	10	EL4134	AI Standard Channel	4	Value	PLC2	Standard	Outputs	WORD	SendToRt	O[1]			
H1	End 2	M	12	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndLaserIRDcIn	Gain	0	0	1
H1	End 2	M	12	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndLaserIRDcIn	Gain	1	0	1
H1	End 2	M	12	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrRejectedDcIn	Gain	0	0	1
H1	End 2	M	12	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrRejectedDcIn	Gain	1	0	1
H1	End 2	M	13	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrTransDcIn	Gain	0	0	1
H1	End 2	M	13	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndFibrTransDcIn	Gain	1	0	1
H1	End 2	M	13	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_BDcIn	Gain	0	0	1
H1	End 2	M	13	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL	AlsEndSpare_BDcIn	Gain	1	0	1
H1	End 2	M	14	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndLaserIRDcIn	DCPower			
H1	End 2	M	14	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrRejectedDcIn	DCPower			
H1	End 2	M	14	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndFibrTransDcIn	DCPower			
H1	End 2	M	14	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndSpare_BDcIn	DCPower			
H1	End 2	M	15	EL1124	Channel	1	Input	PLC2	Standard	Inputs	BOOL	AlsEndRefI_ADcIn	Status			
H1	End 2	M	15	EL1124	Channel	2	Input	PLC2	Standard	Inputs	BOOL					
H1	End 2	M	15	EL1124	Channel	3	Input	PLC2	Standard	Inputs	BOOL					
H1	End 2	M	15	EL1124	Channel	4	Input	PLC2	Standard	Inputs	BOOL					
H1	End 2	M	16	EL2124	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI_ADcOut	Gain	0	0	1
H1	End 2	M	16	EL2124	Channel	2	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI_ADcOut	Gain	1	0	1

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	End 2	M	16	EL2124	Channel	3	Output	PLC2	Standard	Outputs	BOOL	AlsEndRefI_ADcOut	Gain	2	0	1
H1	End 2	M	16	EL2124	Channel	4	Output	PLC2	Standard	Outputs	BOOL					
H1	End 2	M	17	EL3102	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndRefI_ADcIn	DCPower			
H1	End 2	M	17	EL3102	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD					
H1	End 2	R	1	EL7332	DCM Status Channel	1	DCMReady	PLC1	Standard	Inputs	WORD	SysEndBDiv_AIn	DCMReady			
H1	End 2	R	1	EL7332	DCM Status Channel	1	DCMWarning	PLC1	Standard	Inputs	WORD	SysEndBDiv_AIn	DCMWarning			
H1	End 2	R	1	EL7332	DCM Status Channel	1	DCMError	PLC1	Standard	Inputs	WORD	SysEndBDiv_AIn	DCMError			
H1	End 2	R	1	EL7332	DCM Control Channel	1	DCMEnable	PLC1	Standard	Outputs	WORD	SysEndBDiv_AOut	DCMEnable			
H1	End 2	R	1	EL7332	DCM Velocity Channel	1	Velocity	PLC1	Standard	Inputs	WORD	SysEndBDiv_AOut	DCMVelocity			
H1	End 2	R	1	EL7332	DCM Status Channel	2	DCMReady	PLC1	Standard	Inputs	WORD					
H1	End 2	R	1	EL7332	DCM Status Channel	2	DCMWarning	PLC1	Standard	Inputs	WORD					
H1	End 2	R	1	EL7332	DCM Status Channel	2	DCMError	PLC1	Standard	Inputs	WORD					
H1	End 2	R	1	EL7332	DCM Control Channel	2	DCMEnable	PLC1	Standard	Outputs	WORD					
H1	End 2	R	1	EL7332	DCM Velocity Channel	2	Velocity	PLC1	Standard	Inputs	WORD					
H1	End 2	R	2	EL1094	Channel	1	Input	PLC1	Standard	Inputs	BOOL	SysEndBDiv_AIn	ClosedPositionSwitch			
H1	End 2	R	2	EL1094	Channel	2	Input	PLC1	Standard	Inputs	BOOL	SysEndBDiv_AIn	OpenPositionSwitch			
H1	End 2	R	2	EL1094	Channel	3	Input	PLC1	Standard	Inputs	BOOL					
H1	End 2	R	2	EL1094	Channel	4	Input	PLC1	Standard	Inputs	BOOL					
H1	End 2	R	3	EL1094	Channel	1	Input	PLC1	Standard	Inputs	BOOL	SysEndShutter_AIn	State			
H1	End 2	R	3	EL1094	Channel	2	Input	PLC1	Standard	Inputs	BOOL	SysEndShutter_BIn	State			
H1	End 2	R	3	EL1094	Channel	3	Input	PLC1	Standard	Inputs	BOOL					
H1	End 2	R	3	EL1094	Channel	4	Input	PLC1	Standard	Inputs	BOOL					
H1	End 2	R	4	EL2008	Channel	1	Output	PLC1	Standard	Outputs	BOOL	SysEndShutter_AOut	Close			
H1	End 2	R	4	EL2008	Channel	2	Output	PLC1	Standard	Outputs	BOOL	SysEndShutter_BOut	Close			
H1	End 2	R	4	EL2008	Channel	3	Output	PLC1	Standard	Outputs	BOOL	SysEndShutter_BOut	Open			
H1	End 2	R	4	EL2008	Channel	4	Output	PLC1	Standard	Outputs	BOOL	SysEndShutter_COut	Open			
H1	End 2	R	4	EL2008	Channel	5	Output	PLC1	Standard	Outputs	BOOL					
H1	End 2	R	4	EL2008	Channel	6	Output	PLC1	Standard	Outputs	BOOL					
H1	End 2	R	4	EL2008	Channel	7	Output	PLC1	Standard	Outputs	BOOL					
H1	End 2	R	4	EL2008	Channel	8	Output	PLC1	Standard	Outputs	BOOL					
H1	End 2	R	5	EL3102	AI Standard Channel	1	Value	PLC1	Standard	Inputs	WORD	SysEndPico_AIn	TEMP_X			
H1	End 2	R	5	EL3102	AI Standard Channel	2	Value	PLC1	Standard	Inputs	WORD	SysEndPico_AIn	TEMP_Y			
H1	End 2	R	6	EL1014	Channel	1	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	FAULT_X			
H1	End 2	R	6	EL1014	Channel	2	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	FAULT_Y			
H1	End 2	R	6	EL1014	Channel	3	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	ON			
H1	End 2	R	6	EL1014	Channel	4	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	POWER			
H1	End 2	R	7	EL3102	AI Standard Channel	1	Value	PLC1	Standard	Inputs	WORD	SysEndPico_BIn	TEMP_X			
H1	End 2	R	7	EL3102	AI Standard Channel	2	Value	PLC1	Standard	Inputs	WORD	SysEndPico_BIn	TEMP_Y			
H1	End 2	R	8	EL1014	Channel	1	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	FAULT_X			
H1	End 2	R	8	EL1014	Channel	2	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	FAULT_Y			
H1	End 2	R	8	EL1014	Channel	3	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	ON			
H1	End 2	R	8	EL1014	Channel	4	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	POWER			
H1	End 2	R	9	EL1872	Channel	1	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[1]			
H1	End 2	R	9	EL1872	Channel	2	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[2]			
H1	End 2	R	9	EL1872	Channel	3	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[3]			
H1	End 2	R	9	EL1872	Channel	4	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[4]			
H1	End 2	R	9	EL1872	Channel	5	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[5]			
H1	End 2	R	9	EL1872	Channel	6	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[6]			
H1	End 2	R	9	EL1872	Channel	7	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[7]			
H1	End 2	R	9	EL1872	Channel	8	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_X[8]			
H1	End 2	R	9	EL1872	Channel	9	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[1]			
H1	End 2	R	9	EL1872	Channel	10	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[2]			

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	End 2	R	9	EL1872	Channel	11	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[3]			
H1	End 2	R	9	EL1872	Channel	12	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[4]			
H1	End 2	R	9	EL1872	Channel	13	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[5]			
H1	End 2	R	9	EL1872	Channel	14	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[6]			
H1	End 2	R	9	EL1872	Channel	15	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[7]			
H1	End 2	R	9	EL1872	Channel	16	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_AIn	MOTOR_Y[8]			
H1	End 2	R	9	EL1872	InfoData		State	PLC1	Fast	Inputs	BOOL	SysEndPico_AFastIn	INFO_DATA			
H1	End 2	R	10	EL2872	Channel	1	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	MOTOR[3]			
H1	End 2	R	10	EL2872	Channel	2	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	MOTOR[2]			
H1	End 2	R	10	EL2872	Channel	3	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	MOTOR[1]			
H1	End 2	R	10	EL2872	Channel	4	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	MOTOR[4]			
H1	End 2	R	10	EL2872	Channel	5	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	IDLE			
H1	End 2	R	10	EL2872	Channel	6	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	ENABLE			
H1	End 2	R	10	EL2872	Channel	7	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	DIR_X			
H1	End 2	R	10	EL2872	Channel	8	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_AOut	DIR_Y			
H1	End 2	R	10	EL2872	Channel	9	Output	PLC1	Fast	Outputs	BOOL	SysEndPico_AFastOut	CLK_X			
H1	End 2	R	10	EL2872	Channel	10	Output	PLC1	Fast	Outputs	BOOL	SysEndPico_AFastOut	CLK_Y			
H1	End 2	R	11	EL1872	Channel	1	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[1]			
H1	End 2	R	11	EL1872	Channel	2	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[2]			
H1	End 2	R	11	EL1872	Channel	3	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[3]			
H1	End 2	R	11	EL1872	Channel	4	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[4]			
H1	End 2	R	11	EL1872	Channel	5	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[5]			
H1	End 2	R	11	EL1872	Channel	6	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[6]			
H1	End 2	R	11	EL1872	Channel	7	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[7]			
H1	End 2	R	11	EL1872	Channel	8	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_X[8]			
H1	End 2	R	11	EL1872	Channel	9	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[1]			
H1	End 2	R	11	EL1872	Channel	10	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[2]			
H1	End 2	R	11	EL1872	Channel	11	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[3]			
H1	End 2	R	11	EL1872	Channel	12	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[4]			
H1	End 2	R	11	EL1872	Channel	13	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[5]			
H1	End 2	R	11	EL1872	Channel	14	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[6]			
H1	End 2	R	11	EL1872	Channel	15	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[7]			
H1	End 2	R	11	EL1872	Channel	16	Input	PLC1	Standard	Inputs	BOOL	SysEndPico_BIn	MOTOR_Y[8]			
H1	End 2	R	11	EL1872	InfoData		State	PLC1	Fast	Inputs	BOOL	SysEndPico_BFastIn	INFO_DATA			
H1	End 2	R	12	EL2872	Channel	1	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	MOTOR[3]			
H1	End 2	R	12	EL2872	Channel	2	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	MOTOR[2]			
H1	End 2	R	12	EL2872	Channel	3	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	MOTOR[1]			
H1	End 2	R	12	EL2872	Channel	4	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	MOTOR[4]			
H1	End 2	R	12	EL2872	Channel	5	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	IDLE			
H1	End 2	R	12	EL2872	Channel	6	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	ENABLE			
H1	End 2	R	12	EL2872	Channel	7	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	DIR_X			
H1	End 2	R	12	EL2872	Channel	8	Output	PLC1	Standard	Outputs	BOOL	SysEndPico_BOut	DIR_Y			
H1	End 2	R	12	EL2872	Channel	9	Output	PLC1	Fast	Outputs	BOOL	SysEndPico_BFastOut	CLK_X			
H1	End 2	R	12	EL2872	Channel	10	Output	PLC1	Fast	Outputs	BOOL	SysEndPico_BFastOut	CLK_Y			

Ifo	Chassis	Rail	#	Terminal	Channel	#	Name	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
H1	End 3	L	1	EL4134	AI Standard Channel	1	Value	PLC3	Standard	Outputs	WORD	PcalEndOut	OpticalFollowerServoGain			
H1	End 3	L	1	EL4134	AI Standard Channel	2	Value	PLC3	Standard	Outputs	WORD	PcalEndOut	OpticalFollowerServoOffset			
H1	End 3	L	1	EL4134	AI Standard Channel	3	Value	PLC3	Standard	Outputs	WORD	PcalEndOut	LaserPowerControl			
H1	End 3	L	1	EL4134	AI Standard Channel	4	Value		Standard	Outputs	WORD					
H1	End 3	L	2	EL3104	AI Standard Channel	1	Value	PLC3	Standard	Inputs	WORD	PcalEndIn	WorkingStandardPowerLevel			
H1	End 3	L	2	EL3104	AI Standard Channel	2	Value	PLC3	Standard	Inputs	WORD	PcalEndIn	TransmitterModuleTemperature			
H1	End 3	L	2	EL3104	AI Standard Channel	3	Value	PLC3	Standard	Inputs	WORD	PcalEndIn	ReceiverModuleTemperature			
H1	End 3	L	2	EL3104	AI Standard Channel	4	Value	PLC3	Standard	Inputs	WORD	PcalEndIn	OpticalFollowerServoOscillation			
H1	End 3	L	3	EL3104	AI Standard Channel	1	Value	PLC3	Standard	Inputs	WORD	PcalEndIn	LaserDiodeCurrent			
H1	End 3	L	3	EL3104	AI Standard Channel	2	Value	PLC3	Standard	Inputs	WORD	PcalEndIn	LaserDiodeTemperature			
H1	End 3	L	3	EL3104	AI Standard Channel	3	Value		Standard	Inputs	WORD					
H1	End 3	L	3	EL3104	AI Standard Channel	4	Value		Standard	Inputs	WORD					
H1	End 3	L	4	EL2624	Channel	1	Output	PLC3	Standard	Outputs	BOOL	PcalEndOut	OpticalFollowerServoEnable			
H1	End 3	L	4	EL2624	Channel	2	Output	PLC3	Standard	Outputs	BOOL	PcalEndOut	ShutterPowerEnable			
H1	End 3	L	4	EL2624	Channel	3	Output	PLC3	Standard	Outputs	BOOL	PcalEndOut	LaserEnable			
H1	End 3	L	4	EL2624	Channel	4	Output		Standard	Outputs	BOOL					
H1	End 3	L	5	EL1094	Channel	1	Input	PLC3	Standard	Inputs	BOOL	PcalEndIn	ShutterClosed			
H1	End 3	L	5	EL1094	Channel	2	Input	PLC3	Standard	Inputs	BOOL	PcalEndIn	ShutterOpen			
H1	End 3	L	5	EL1094	Channel	3	Input	PLC3	Standard	Inputs	BOOL	PcalEndIn	OpticalFollowerServoActive			
H1	End 3	L	5	EL1094	Channel	4	Input		Standard	Inputs	BOOL					
H1	End 3	L	6	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[1].RFMon			
H1	End 3	L	6	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[1].LOMon			
H1	End 3	L	6	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[2].RFMon			
H1	End 3	L	6	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[2].LOMon			
H1	End 3	L	7	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[3].RFMon			
H1	End 3	L	7	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[3].LOMon			
H1	End 3	L	7	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[4].RFMon			
H1	End 3	L	7	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_ADemodIn	Seg[4].LOMon			
H1	End 3	L	8	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[1].RFMon			
H1	End 3	L	8	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[1].LOMon			
H1	End 3	L	8	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[2].RFMon			
H1	End 3	L	8	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[2].LOMon			
H1	End 3	L	9	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[3].RFMon			
H1	End 3	L	9	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[3].LOMon			
H1	End 3	L	9	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[4].RFMon			
H1	End 3	L	9	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndWfs_BDemodIn	Seg[4].LOMon			
H1	End 3	L	11	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt2In	HV10MonitorPZTX			
H1	End 3	L	11	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt2In	PositionSensorPZTX			
H1	End 3	L	11	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt2In	HV10MonitorPZTY			
H1	End 3	L	11	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt2In	PositionSensorPZTY			
H1	End 3	L	12	EL3104	AI Standard Channel	1	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt1In	HV10MonitorPZTX			
H1	End 3	L	12	EL3104	AI Standard Channel	2	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt1In	PositionSensorPZTX			
H1	End 3	L	12	EL3104	AI Standard Channel	3	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt1In	HV10MonitorPZTY			
H1	End 3	L	12	EL3104	AI Standard Channel	4	Value	PLC2	Standard	Inputs	WORD	AlsEndWfsPzt1In	PositionSensorPZTY			
H1	ALS Laser Table Relay		1	EP2624	Channel	1	Output	PLC2	Standard	Outputs	BOOL	AlsEndLaserHeadOut	NoiseEaterRelayOn			
H1	ALS Laser Table Relay		1	EP2624	Channel	2	Output	PLC1	Standard	Outputs	BOOL	IlluminatorOut	IlluminatorRelayOn			
H1	ALS Laser Table Relay		1	EP2624	Channel	3	Output		Standard	Outputs	BOOL					
H1	ALS Laser Table Relay		1	EP2624	Channel	4	Output		Standard	Outputs	BOOL					

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End 3

H1	AOS Baffle ITMX	1	EP2316	Input	1	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	2	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	3	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	4	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	5	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	6	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	7	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Input	8	Input	PLC3	Standard	Inputs	BOOL									
H1	AOS Baffle ITMX	1	EP2316	Output	1	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[3]	Gain	0	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	2	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[3]	Gain	1	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	3	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[4]	Gain	0	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	4	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[4]	Gain	1	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	5	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[1]	Gain	0	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	6	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[1]	Gain	1	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	7	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[2]	Gain	0	0	1				
H1	AOS Baffle ITMX	1	EP2316	Output	8	Input	PLC3	Standard	Outputs	BOOL	AoS Baffle Dc Out[2]	Gain	1	0	1				
H1	AOS Baffle ITMX	2	EP3174	AI Standard Channel	1	Value	PLC2	Standard	Inputs	INT	AoS Baffle Dc In[3]	DcPower							
H1	AOS Baffle ITMX	2	EP3174	AI Standard Channel	2	Value	PLC2	Standard	Inputs	INT	AoS Baffle Dc In[4]	DcPower							
H1	AOS Baffle ITMX	2	EP3174	AI Standard Channel	3	Value	PLC2	Standard	Inputs	INT	AoS Baffle Dc In[1]	DcPower							
H1	AOS Baffle ITMX	2	EP3174	AI Standard Channel	4	Value	PLC2	Standard	Inputs	INT	AoS Baffle Dc In[2]	DcPower							

ECAT End

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Internal

PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len	PLC	Task	IO	Size	Struct	Parameter	Bit	Pos	Len
PLC2	Standard	Inputs	BOOL	AlsEndFiber_ADemodOut	PowerOk				PLC2	Standard	Inputs	BOOL	AlsEndSpare_ADemodIn	PowerOk			
PLC2	Standard	Inputs	BOOL	AlsEndRefl_ADemodOut	PowerOk				PLC2	Standard	Inputs	BOOL	AlsEndSpare_BDemodIn	PowerOk			
PLC1	Fast	Inputs	UINT	Device 0 (EtherCAT)	Frm0WcState				PLC1	Fast	Inputs	UINT	Device0FastIn	FrmWcState[0]			
PLC1	Fast	Inputs	UINT	Device 0 (EtherCAT)	Frm1WcState				PLC1	Fast	Inputs	UINT	Device0FastIn	FrmWcState[1]			
PLC1	Fast	Inputs	UINT	Device 0 (EtherCAT)	Frm2WcState				PLC1	Fast	Inputs	UINT	Device0FastIn	FrmWcState[2]			
PLC1	Fast	Inputs	UINT	Device 0 (EtherCAT)	Frm3WcState				PLC1	Fast	Inputs	UINT	Device0FastIn	FrmWcState[3]			
PLC1	Standard	Inputs	UINT	Device 0 (EtherCAT)	SlaveCount				PLC1	Standard	Inputs	UINT	Device0In	SlaveCount			
PLC1	Standard	Inputs	UINT	Device 0 (EtherCAT)	DevState				PLC1	Standard	Inputs	UINT	Device0In	DeviceStatus			
PLC1	Standard	InfoData	UINT	Device 0 (EtherCAT)	ChangeCount				PLC1	Standard	Inputs	UINT	Device0In	ChangeCount			
PLC1	Standard	InfoData	UINT	Device 0 (EtherCAT)	DevId				PLC1	Standard	Inputs	UINT	Device0In	DeviceId			
PLC1	Standard	InfoData	UINT	Device 0 (EtherCAT)	AmsNetId				PLC1	Standard	Inputs	UINT	Device0In	NetId			
PLC1	Standard	InfoData	UINT	Device 0 (EtherCAT)	CfgSlaveCount				PLC1	Standard	Inputs	UINT	Device0In	ConfigSlaveCount			