

MiCOM P743

Numerical Busbar Protection

P743/EN ADL/A11

Version Software version: E2.0
 Hardware version: K

ADDRESS ASSIGNMENT LIST

Content Address Assignment List

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1. IEC61850 ADDRESS ASSIGNMENT LIST (ADL)

1.1 OBJECTIVE

This section of the document is the IEC61850 Address Assignment List (ADL) and presents the relationships between Data Attributes of the IEC61850 data model and Courier Cells / Digital Data Bus signals in the settings database of the P743.

The reader is expected to be conversant with the terminology presented within the IEC61850 standards, namely parts 6 and 7 of the series.

1.2 LOGICAL DEVICE: CONTROL

This section details Courier Cell and Digital Data Bus assignments to IEC61850 Data Attributes within Logical Nodes contained in the Control Logical Device.

1.2.1 Logical Node: CtlCILO1

Description: Interlocking Circuit Breaker Tri Phases

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
EnaOpn.stVal	ST	[07 04] - CB Control by
EnaOpn.q	ST	Other internal source.
EnaOpn.t	ST	Other internal source.
EnaCls.stVal	ST	IEC61850_INTERLOCKING_ENACLS (299)
EnaCls.q	ST	Other internal source.
EnaCls.t	ST	Other internal source.

1.2.2 Logical Node: CtlCSWI1

Description: CB Control

Attribute	FC	Source
Mod.stVal	ST	[07 04] - CB Control by
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	[07 04] - CB Control by
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Pos.ctlVal	CO	[00 10] - CB Trip/Close
Pos.origin.orCat	ST	Other internal source.
Pos.origin.orIdent	ST	Other internal source.
Pos.stVal	ST	Other internal source.
Pos.q	ST	Other internal source.
Pos.t	ST	Other internal source.
Pos.ctlModel	CF	Other internal source.
Pos.sboTimeout	CF	Other internal source.

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Attribute	FC	Source
OpOpn.general	ST	PRT_CONTROL_TRIP (357)
OpOpn.q	ST	Other internal source.
OpOpn.t	ST	Other internal source.
OpCls.general	ST	PRT_CONTROL_CLOSE (356)
OpCls.q	ST	Other internal source.
OpCls.t	ST	Other internal source.

1.2.3 Logical Node: LLN0

Description: Controls Logical Device

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
NamPlt.configRev	DC	Other internal source.
NamPlt.IdNs	EX	Other internal source.

1.2.4 Logical Node: LPHD1

Description: Physical Device Information

Attribute	FC	Source
PhyNam.vendor	DC	Other internal source.
PhyNam.hwRev	DC	Other internal source.
PhyNam.swRev	DC	[00 11] - Software Ref. 1
PhyNam.serNum	DC	[00 08] - Serial Number
PhyNam.model	DC	[00 06] - Model Number
PhyNam.location	DC	[00 05] - Plant Reference
PhyHealth.stVal	ST	Other internal source.
PhyHealth.q	ST	Other internal source.
PhyHealth.t	ST	Other internal source.
Proxy.stVal	ST	Other internal source.
Proxy.q	ST	Other internal source.
Proxy.t	ST	Other internal source.
Proxy.d	DC	Other internal source.
PwrUp.stVal	ST	Other internal source.
PwrUp.q	ST	Other internal source.
PwrUp.t	ST	Other internal source.
PwrUp.d	DC	Other internal source.

1.2.5 Logical Node: PhsXCBR1

Description: Circuit Breaker Phase A

Attribute	FC	Source
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.

Attribute	FC	Source
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Loc.stVal	ST	[07 04] - CB Control by
Loc.q	ST	Other internal source.
Loc.t	ST	Other internal source.
EEHealth.stVal	ST	Other internal source.
EEHealth.q	ST	Other internal source.
EEHealth.t	ST	Other internal source.
OpCnt.stVal	ST	Other internal source.
OpCnt.q	ST	Other internal source.
OpCnt.t	ST	Other internal source.
Pos.ctlVal	CO	[00 10] - CB Trip/Close
Pos.origin.orCat	ST	Other internal source.
Pos.origin.orIdent	ST	Other internal source.
Pos.stVal	ST	Other internal source.
Pos.q	ST	Other internal source.
Pos.t	ST	Other internal source.
Pos.ctlModel	CF	Other internal source.
Pos.sboTimeout	CF	Other internal source.
BlkOpn.stVal	ST	Other internal source.
BlkOpn.q	ST	Other internal source.
BlkOpn.t	ST	Other internal source.
BlkOpn.ctlModel	CF	Other internal source.
BlkCls.stVal	ST	Other internal source.
BlkCls.q	ST	Other internal source.
BlkCls.t	ST	Other internal source.
BlkCls.ctlModel	CF	Other internal source.
CBOpCap.stVal	ST	Other internal source.
CBOpCap.q	ST	Other internal source.
CBOpCap.t	ST	Other internal source.
Lock.ctlVal	CO	Other internal source.
Lock.origin.orCat	ST	Other internal source.
Lock.origin.orIdent	ST	Other internal source.
Lock.stVal	ST	Other internal source.
Lock.q	ST	Other internal source.
Lock.t	ST	Other internal source.
Lock.ctlModel	CF	Other internal source.
Lock.sboTimeout	CF	Other internal source.
Lock.dataNs	EX	Other internal source.

1.2.6 Logical Node: PhsXCBR2

Description: Circuit Breaker Phase B

Attribute	FC	Source
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Loc.stVal	ST	[07 04] - CB Control by
Loc.q	ST	Other internal source.
Loc.t	ST	Other internal source.
EEHealth.stVal	ST	Other internal source.
EEHealth.q	ST	Other internal source.
EEHealth.t	ST	Other internal source.
OpCnt.stVal	ST	Other internal source.
OpCnt.q	ST	Other internal source.
OpCnt.t	ST	Other internal source.

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Attribute	FC	Source
Pos.ctlVal	CO	[00 10] - CB Trip/Close
Pos.origin.orCat	ST	Other internal source.
Pos.origin.orIdent	ST	Other internal source.
Pos.stVal	ST	Other internal source.
Pos.q	ST	Other internal source.
Pos.t	ST	Other internal source.
Pos.ctlModel	CF	Other internal source.
Pos.sboTimeout	CF	Other internal source.
BlkOpn.stVal	ST	Other internal source.
BlkOpn.q	ST	Other internal source.
BlkOpn.t	ST	Other internal source.
BlkOpn.ctlModel	CF	Other internal source.
BlkCls.stVal	ST	Other internal source.
BlkCls.q	ST	Other internal source.
BlkCls.t	ST	Other internal source.
BlkCls.ctlModel	CF	Other internal source.
CBOpCap.stVal	ST	Other internal source.
CBOpCap.q	ST	Other internal source.
CBOpCap.t	ST	Other internal source.
Lock.ctlVal	CO	Other internal source.
Lock.origin.orCat	ST	Other internal source.
Lock.origin.orIdent	ST	Other internal source.
Lock.stVal	ST	Other internal source.
Lock.q	ST	Other internal source.
Lock.t	ST	Other internal source.
Lock.ctlModel	CF	Other internal source.
Lock.sboTimeout	CF	Other internal source.
Lock.dataNs	EX	Other internal source.

1.2.7 Logical Node: PhsXCBR3

Description: Circuit Breaker Phase C

Attribute	FC	Source
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Loc.stVal	ST	[07 04] - CB Control by
Loc.q	ST	Other internal source.
Loc.t	ST	Other internal source.
EEHealth.stVal	ST	Other internal source.
EEHealth.q	ST	Other internal source.
EEHealth.t	ST	Other internal source.
OpCnt.stVal	ST	Other internal source.
OpCnt.q	ST	Other internal source.
OpCnt.t	ST	Other internal source.
Pos.ctlVal	CO	[00 10] - CB Trip/Close
Pos.origin.orCat	ST	Other internal source.
Pos.origin.orIdent	ST	Other internal source.
Pos.stVal	ST	Other internal source.
Pos.q	ST	Other internal source.
Pos.t	ST	Other internal source.
Pos.ctlModel	CF	Other internal source.
Pos.sboTimeout	CF	Other internal source.
BlkOpn.stVal	ST	Other internal source.
BlkOpn.q	ST	Other internal source.
BlkOpn.t	ST	Other internal source.

Attribute	FC	Source
BlkOpn.ctlModel	CF	Other internal source.
BlkCls.stVal	ST	Other internal source.
BlkCls.q	ST	Other internal source.
BlkCls.t	ST	Other internal source.
BlkCls.ctlModel	CF	Other internal source.
CBOPCap.stVal	ST	Other internal source.
CBOPCap.q	ST	Other internal source.
CBOPCap.t	ST	Other internal source.
Lock.ctlVal	CO	Other internal source.
Lock.origin.orCat	ST	Other internal source.
Lock.origin.orIdent	ST	Other internal source.
Lock.stVal	ST	Other internal source.
Lock.q	ST	Other internal source.
Lock.t	ST	Other internal source.
Lock.ctlModel	CF	Other internal source.
Lock.sboTimeout	CF	Other internal source.
Lock.dataNs	EX	Other internal source.

1.2.8 Logical Node: TriXCBR1

Description: Circuit Breaker Tri Phases

Attribute	FC	Source
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPit.vendor	DC	Other internal source.
NamPit.swRev	DC	[00 11] - Software Ref. 1
NamPit.d	DC	Other internal source.
Loc.stVal	ST	[07 04] - CB Control by
Loc.q	ST	Other internal source.
Loc.t	ST	Other internal source.
EEHealth.stVal	ST	Other internal source.
EEHealth.q	ST	Other internal source.
EEHealth.t	ST	Other internal source.
OpCnt.stVal	ST	Other internal source.
OpCnt.q	ST	Other internal source.
OpCnt.t	ST	Other internal source.
Pos.ctlVal	CO	[00 10] - CB Trip/Close
Pos.origin.orCat	ST	Other internal source.
Pos.origin.orIdent	ST	Other internal source.
Pos.stVal	ST	Other internal source.
Pos.q	ST	Other internal source.
Pos.t	ST	Other internal source.
Pos.ctlModel	CF	Other internal source.
Pos.sboTimeout	CF	Other internal source.
BlkOpn.stVal	ST	Other internal source.
BlkOpn.q	ST	Other internal source.
BlkOpn.t	ST	Other internal source.
BlkOpn.ctlModel	CF	Other internal source.
BlkCls.stVal	ST	Other internal source.
BlkCls.q	ST	Other internal source.
BlkCls.t	ST	Other internal source.
BlkCls.ctlModel	CF	Other internal source.
CBOPCap.stVal	ST	Other internal source.
CBOPCap.q	ST	Other internal source.
CBOPCap.t	ST	Other internal source.
Lock.ctlVal	CO	Other internal source.
Lock.origin.orCat	ST	Other internal source.
Lock.origin.orIdent	ST	Other internal source.

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Attribute	FC	Source
Lock.stVal	ST	Other internal source.
Lock.q	ST	Other internal source.
Lock.t	ST	Other internal source.
Lock.ctlModel	CF	Other internal source.
Lock.sboTimeout	CF	Other internal source.
Lock.dataNs	EX	Other internal source.

1.3 LOGICAL DEVICE: MEASUREMENTS

This section details Courier Cell and Digital Data Bus assignments to IEC61850 Data Attributes within Logical Nodes contained in the Measurements Logical Device.

1.3.1 Logical Node: LLN0

Description: Measurements Logical Device

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPIt.vendor	DC	Other internal source.
NamPIt.swRev	DC	[00 11] - Software Ref. 1
NamPIt.d	DC	Other internal source.
NamPIt.configRev	DC	Other internal source.
NamPIt.IdNs	EX	Other internal source.

1.3.2 Logical Node: LPHD1

Description: Physical Device Information

Attribute	FC	Source
PhyNam.vendor	DC	Other internal source.
PhyNam.hwRev	DC	Other internal source.
PhyNam.swRev	DC	[00 11] - Software Ref. 1
PhyNam.serNum	DC	[00 08] - Serial Number
PhyNam.model	DC	[00 06] - Model Number
PhyNam.location	DC	[00 05] - Plant Reference
PhyHealth.stVal	ST	Other internal source.
PhyHealth.q	ST	Other internal source.
PhyHealth.t	ST	Other internal source.
Proxy.stVal	ST	Other internal source.
Proxy.q	ST	Other internal source.
Proxy.t	ST	Other internal source.
Proxy.d	DC	Other internal source.
PwrUp.stVal	ST	Other internal source.
PwrUp.q	ST	Other internal source.
PwrUp.t	ST	Other internal source.
PwrUp.d	DC	Other internal source.

1.3.3 Logical Node: PriMMXU1

Description: P743 Primary Measurements

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPIt.vendor	DC	Other internal source.
NamPIt.swRev	DC	[00 11] - Software Ref. 1

Attribute	FC	Source
NamPlt.d	DC	Other internal source.
Hz.mag.f	MX	[02 21] - Frequency
Hz.q	MX	Other internal source.
Hz.t	MX	Other internal source.
Hz.units.SIUnit	CF	[02 21] - Frequency
Hz.units.multiplier	CF	Other internal source.
Hz.db	CF	Other internal source.
Hz.rangeC.hhLim.f	CF	Other internal source.
Hz.rangeC.hLim.f	CF	Other internal source.
Hz.rangeC.lLim.f	CF	Other internal source.
Hz.rangeC.llLim.f	CF	Other internal source.
Hz.rangeC.min.f	CF	Other internal source.
Hz.rangeC.max.f	CF	Other internal source.
A.phsA.cVal.mag.f	MX	[02 01] - IA Magnitude
A.phsA.cVal.ang.f	MX	[02 02] - IA Phase Angle
A.phsA.q	MX	Other internal source.
A.phsA.t	MX	Other internal source.
A.phsA.units.SIUnit	CF	[02 01] - IA Magnitude
A.phsA.units.multiplier	CF	Other internal source.
A.phsA.db	CF	Other internal source.
A.phsA.rangeC.hhLim.f	CF	Other internal source.
A.phsA.rangeC.hLim.f	CF	Other internal source.
A.phsA.rangeC.lLim.f	CF	Other internal source.
A.phsA.rangeC.llLim.f	CF	Other internal source.
A.phsA.rangeC.min.f	CF	Other internal source.
A.phsA.rangeC.max.f	CF	Other internal source.
A.phsB.cVal.mag.f	MX	[02 03] - IB Magnitude
A.phsB.cVal.ang.f	MX	[02 04] - IB Phase Angle
A.phsB.q	MX	Other internal source.
A.phsB.t	MX	Other internal source.
A.phsB.units.SIUnit	CF	[02 03] - IB Magnitude
A.phsB.units.multiplier	CF	Other internal source.
A.phsB.db	CF	Other internal source.
A.phsB.rangeC.hhLim.f	CF	Other internal source.
A.phsB.rangeC.hLim.f	CF	Other internal source.
A.phsB.rangeC.lLim.f	CF	Other internal source.
A.phsB.rangeC.llLim.f	CF	Other internal source.
A.phsB.rangeC.min.f	CF	Other internal source.
A.phsB.rangeC.max.f	CF	Other internal source.
A.phsC.cVal.mag.f	MX	[02 05] - IC Magnitude
A.phsC.cVal.ang.f	MX	[02 06] - IC Phase Angle
A.phsC.q	MX	Other internal source.
A.phsC.t	MX	Other internal source.
A.phsC.units.SIUnit	CF	[02 05] - IC Magnitude
A.phsC.units.multiplier	CF	Other internal source.
A.phsC.db	CF	Other internal source.
A.phsC.rangeC.hhLim.f	CF	Other internal source.
A.phsC.rangeC.hLim.f	CF	Other internal source.
A.phsC.rangeC.lLim.f	CF	Other internal source.
A.phsC.rangeC.llLim.f	CF	Other internal source.
A.phsC.rangeC.min.f	CF	Other internal source.
A.phsC.rangeC.max.f	CF	Other internal source.
A.neut.cVal.mag.f	MX	[02 07] - IN Magnitude
A.neut.cVal.ang.f	MX	[02 08] - IN Phase Angle
A.neut.q	MX	Other internal source.
A.neut.t	MX	Other internal source.
A.neut.units.SIUnit	CF	[02 07] - IN Magnitude
A.neut.units.multiplier	CF	Other internal source.
A.neut.db	CF	Other internal source.
A.neut.rangeC.hhLim.f	CF	Other internal source.
A.neut.rangeC.hLim.f	CF	Other internal source.
A.neut.rangeC.lLim.f	CF	Other internal source.
A.neut.rangeC.llLim.f	CF	Other internal source.
A.neut.rangeC.min.f	CF	Other internal source.
A.neut.rangeC.max.f	CF	Other internal source.
A.d	DC	Other internal source.

1.3.4 Logical Node: SecMMXU1

Description: P743 Secondary Measurements

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPit.vendor	DC	Other internal source.
NamPit.swRev	DC	[00 11] - Software Ref. 1
NamPit.d	DC	Other internal source.
Hz.mag.f	MX	[02 21] - Frequency
Hz.q	MX	Other internal source.
Hz.t	MX	Other internal source.
Hz.units.SIUnit	CF	[02 21] - Frequency
Hz.units.multiplier	CF	Other internal source.
Hz.db	CF	Other internal source.
Hz.rangeC.hhLim.f	CF	Other internal source.
Hz.rangeC.hLim.f	CF	Other internal source.
Hz.rangeC.lLim.f	CF	Other internal source.
Hz.rangeC.lIlLim.f	CF	Other internal source.
Hz.rangeC.min.f	CF	Other internal source.
Hz.rangeC.max.f	CF	Other internal source.
A.phsA.cVal.mag.f	MX	[02 01] - IA Magnitude
A.phsA.cVal.ang.f	MX	[02 02] - IA Phase Angle
A.phsA.q	MX	Other internal source.
A.phsA.t	MX	Other internal source.
A.phsA.units.SIUnit	CF	[02 01] - IA Magnitude
A.phsA.units.multiplier	CF	Other internal source.
A.phsA.db	CF	Other internal source.
A.phsA.rangeC.hhLim.f	CF	Other internal source.
A.phsA.rangeC.hLim.f	CF	Other internal source.
A.phsA.rangeC.lLim.f	CF	Other internal source.
A.phsA.rangeC.lIlLim.f	CF	Other internal source.
A.phsA.rangeC.min.f	CF	Other internal source.
A.phsA.rangeC.max.f	CF	Other internal source.
A.phsB.cVal.mag.f	MX	[02 03] - IB Magnitude
A.phsB.cVal.ang.f	MX	[02 04] - IB Phase Angle
A.phsB.q	MX	Other internal source.
A.phsB.t	MX	Other internal source.
A.phsB.units.SIUnit	CF	[02 03] - IB Magnitude
A.phsB.units.multiplier	CF	Other internal source.
A.phsB.db	CF	Other internal source.
A.phsB.rangeC.hhLim.f	CF	Other internal source.
A.phsB.rangeC.hLim.f	CF	Other internal source.
A.phsB.rangeC.lLim.f	CF	Other internal source.
A.phsB.rangeC.lIlLim.f	CF	Other internal source.
A.phsB.rangeC.min.f	CF	Other internal source.
A.phsB.rangeC.max.f	CF	Other internal source.
A.phsC.cVal.mag.f	MX	[02 05] - IC Magnitude
A.phsC.cVal.ang.f	MX	[02 06] - IC Phase Angle
A.phsC.q	MX	Other internal source.
A.phsC.t	MX	Other internal source.
A.phsC.units.SIUnit	CF	[02 05] - IC Magnitude
A.phsC.units.multiplier	CF	Other internal source.
A.phsC.db	CF	Other internal source.
A.phsC.rangeC.hhLim.f	CF	Other internal source.
A.phsC.rangeC.hLim.f	CF	Other internal source.
A.phsC.rangeC.lLim.f	CF	Other internal source.
A.phsC.rangeC.lIlLim.f	CF	Other internal source.
A.phsC.rangeC.min.f	CF	Other internal source.

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Attribute	FC	Source
A.phsC.rangeC.max.f	CF	Other internal source.
A.neut.cVal.mag.f	MX	[02 07] - IN Magnitude
A.neut.cVal.ang.f	MX	[02 08] - IN Phase Angle
A.neut.q	MX	Other internal source.
A.neut.t	MX	Other internal source.
A.neut.units.SIUnit	CF	[02 07] - IN Magnitude
A.neut.units.multiplier	CF	Other internal source.
A.neut.db	CF	Other internal source.
A.neut.rangeC.hhLim.f	CF	Other internal source.
A.neut.rangeC.hLim.f	CF	Other internal source.
A.neut.rangeC.lLim.f	CF	Other internal source.
A.neut.rangeC.lLim.f	CF	Other internal source.
A.neut.rangeC.min.f	CF	Other internal source.
A.neut.rangeC.max.f	CF	Other internal source.
A.d	DC	Other internal source.

1.4 LOGICAL DEVICE: PROTECTION

This section details Courier Cell and Digital Data Bus assignments to IEC61850 Data Attributes within Logical Nodes contained in the Protection Logical Device.

1.4.1 Logical Node: BbcEfmPIOC1

Description: IN>BB Earth Fault Busbar Trip Confirm

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	OC_BB_N_START (227)
Str.dirGeneral	ST	Other internal source.
Str.neut	ST	OC_BB_N_START (227)
Str.dirNeut	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	OC_BB_N_START (227)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.2 Logical Node: BbcOcpPIOC1

Description: I>BB Phases Busbar Trip Confirm

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.phsA	ST	OC_BB_A_START (224)
Str.dirPhsA	ST	Other internal source.
Str.phsB	ST	OC_BB_B_START (225)
Str.dirPhsB	ST	Other internal source.
Str.phsC	ST	OC_BB_C_START (226)
Str.dirPhsC	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	Other internal source.
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

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1.4.3 Logical Node: CbfBbpRBRF1

Description: CB Fail 1 for Busbar Protection (Internal Trip)

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctilModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
OpIn.general	ST	CBF_RETRIP_TRI_INTERNAL (171)
OpIn.q	ST	Other internal source.
OpIn.t	ST	Other internal source.

1.4.4 Logical Node: CbfBbpRBRF2

Description: CB Fail 2 for Busbar Protection (External Trip)

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctilModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
OpEx.general	ST	CBF_FAILURE_INTERNAL (172)
OpEx.q	ST	Other internal source.
OpEx.t	ST	Other internal source.

1.4.5 Logical Node: CbfBbpRBRF3

Description: CB Fail 3 for Busbar Protection (Internal Trip)

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctilModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
OpIn.general	ST	Other internal source.
OpIn.phsA	ST	CBF_RETRIP_A_EXTERNAL (168)
OpIn.phsB	ST	CBF_RETRIP_B_EXTERNAL (169)
OpIn.phsC	ST	CBF_RETRIP_C_EXTERNAL (170)
OpIn.q	ST	Other internal source.
OpIn.t	ST	Other internal source.

1.4.6 Logical Node: CbfBbpRBRF4

Description: CB Fail 4 for Busbar Protection (External Trip)

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctilModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPit.vendor	DC	Other internal source.
NamPit.swRev	DC	[00 11] - Software Ref. 1
NamPit.d	DC	Other internal source.
OpEx.general	ST	CBF_FAILURE_EXTERNAL (173)
OpEx.q	ST	Other internal source.
OpEx.t	ST	Other internal source.

1.4.7 Logical Node: CbfCupPTRC1

Description: CB Fail Trip to CU

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctilModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPit.vendor	DC	Other internal source.
NamPit.swRev	DC	[00 11] - Software Ref. 1
NamPit.d	DC	Other internal source.
Tr.general	ST	Other internal source.
Tr.q	ST	Other internal source.
Tr.t	ST	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.

1.4.8 Logical Node: DzpEfmPTOC1

Description: IN>DZ Dead Zone Earth Fault Protection

Attribute	FC	Source
Mod.stVal	ST	[31 03] - Dead Zone Earth
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctilModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPit.vendor	DC	Other internal source.
NamPit.swRev	DC	[00 11] - Software Ref. 1
NamPit.d	DC	Other internal source.
Str.general	ST	IEC61850_DZP_N_START (383)
Str.dirGeneral	ST	Other internal source.

Attribute	FC	Source
Str.neut	ST	IEC61850_DZP_N_START (383)
Str.dirNeut	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	DEAD_ZONE_EARTH (263)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.9 Logical Node: DzpPhsPTOC1

Description: I>DZ Phases Dead Zone Protection

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.phsA	ST	IEC61850_DZP_A_START (380)
Str.dirPhsA	ST	Other internal source.
Str.phsB	ST	IEC61850_DZP_B_START (381)
Str.dirPhsB	ST	Other internal source.
Str.phsC	ST	IEC61850_DZP_C_START (382)
Str.dirPhsC	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	DEAD_ZONE_PHASE (262)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.10 Logical Node: EfmBbbPIOC1

Description: IN>2 Earth Fault Blocking Busbar

Attribute	FC	Source
Mod.stVal	ST	[38 08] - IN>2 Function
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	OC_BB_N_BLOCKING (231)
Str.dirGeneral	ST	Other internal source.
Str.neut	ST	OC_BB_N_BLOCKING (231)
Str.dirNeut	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	OC_BB_N_BLOCKING (231)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.11 Logical Node: EfmPTOC1

Description: IN>1 Earth Fault Protection

Attribute	FC	Source
Mod.stVal	ST	[38 01] - IN>1 Function
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPIt.vendor	DC	Other internal source.
NamPIt.swRev	DC	[00 11] - Software Ref. 1
NamPIt.d	DC	Other internal source.
Str.general	ST	OC_1_N_START (179)
Str.dirGeneral	ST	Other internal source.
Str.neut	ST	OC_1_N_START (179)
Str.dirNeut	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	OC_1_EARTH_TRIP_TRI (181)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.12 Logical Node: EfmPTOC2

Description: IN>2 Earth Fault Protection

Attribute	FC	Source
Mod.stVal	ST	[38 08] - IN>2 Function
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPIt.vendor	DC	Other internal source.
NamPIt.swRev	DC	[00 11] - Software Ref. 1
NamPIt.d	DC	Other internal source.
Str.general	ST	OC_2_N_START (185)
Str.dirGeneral	ST	Other internal source.
Str.neut	ST	OC_2_N_START (185)
Str.dirNeut	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	OC_2_EARTH_TRIP_TRI (187)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.13 Logical Node: LLN0

Description: Protection Logical Device for P743

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.

Attribute	FC	Source
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
NamPlt.configRev	DC	Other internal source.
NamPlt.idNs	EX	Other internal source.
DzpMod.stVal	ST	[09 0F] - Dead Zone Prot
DzpMod.q	ST	Other internal source.
DzpMod.t	ST	Other internal source.
DzpMod.ctIModel	CF	Other internal source.
DzpMod.dataNs	EX	Other internal source.
DzpBeh.stVal	ST	Other internal source.
DzpBeh.q	ST	Other internal source.
DzpBeh.t	ST	Other internal source.
DzpBeh.dataNs	EX	Other internal source.
BbcMod.stVal	ST	[09 10] - BB Trip Confirm
BbcMod.q	ST	Other internal source.
BbcMod.t	ST	Other internal source.
BbcMod.ctIModel	CF	Other internal source.
BbcMod.dataNs	EX	Other internal source.
BbcBeh.stVal	ST	Other internal source.
BbcBeh.q	ST	Other internal source.
BbcBeh.t	ST	Other internal source.
BbcBeh.dataNs	EX	Other internal source.
CbfMod.stVal	ST	[09 14] - CB Fail & I<
CbfMod.q	ST	Other internal source.
CbfMod.t	ST	Other internal source.
CbfMod.ctIModel	CF	Other internal source.
CbfMod.dataNs	EX	Other internal source.
CbfBeh.stVal	ST	Other internal source.
CbfBeh.q	ST	Other internal source.
CbfBeh.t	ST	Other internal source.
CbfBeh.dataNs	EX	Other internal source.
OcpMod.stVal	ST	[09 12] - Overcurrent Prot
OcpMod.q	ST	Other internal source.
OcpMod.t	ST	Other internal source.
OcpMod.ctIModel	CF	Other internal source.
OcpMod.dataNs	EX	Other internal source.
OcpBeh.stVal	ST	Other internal source.
OcpBeh.q	ST	Other internal source.
OcpBeh.t	ST	Other internal source.
EfmMod.stVal	ST	[09 13] - Earth Fault Prot
EfmMod.q	ST	Other internal source.
EfmMod.t	ST	Other internal source.
OcpBeh.dataNs	EX	Other internal source.
EfmMod.ctIModel	CF	Other internal source.
EfmMod.dataNs	EX	Other internal source.
EfmBeh.stVal	ST	Other internal source.
EfmBeh.q	ST	Other internal source.
EfmBeh.t	ST	Other internal source.
EfmBeh.dataNs	EX	Other internal source.

1.4.14 Logical Node: LogPTRC1

Description: Logic Protection for P743

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.

Attribute	FC	Source
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Op.general	ST	IEC61850_OP_TRIP_CU (243)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.

1.4.15 Logical Node: LPHD1

Description: Physical Device Information

Attribute	FC	Source
PhyNam.vendor	DC	Other internal source.
PhyNam.hwRev	DC	Other internal source.
PhyNam.swRev	DC	[00 11] - Software Ref. 1
PhyNam.serNum	DC	[00 08] - Serial Number
PhyNam.model	DC	[00 06] - Model Number
PhyNam.location	DC	[00 05] - Plant Reference
PhyHealth.stVal	ST	Other internal source.
PhyHealth.q	ST	Other internal source.
PhyHealth.t	ST	Other internal source.
Proxy.stVal	ST	Other internal source.
Proxy.q	ST	Other internal source.
Proxy.t	ST	Other internal source.
Proxy.d	DC	Other internal source.
PwrUp.stVal	ST	Other internal source.
PwrUp.q	ST	Other internal source.
PwrUp.t	ST	Other internal source.
PwrUp.d	DC	Other internal source.

1.4.16 Logical Node: OcpBbbPIOC1

Description: I>2 Overcurrent Blocking Busbar

Attribute	FC	Source
Mod.stVal	ST	[35 08] - I>2 Function
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.phsA	ST	OC_BB_A_BLOCKING (228)
Str.dirPhsA	ST	Other internal source.
Str.phsB	ST	OC_BB_B_BLOCKING (229)
Str.dirPhsB	ST	Other internal source.
Str.phsC	ST	OC_BB_C_BLOCKING (230)
Str.dirPhsC	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	Other internal source.
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

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1.4.17 Logical Node: OcpPTOC1

Description: I>1 Phases Overcurrent Protection

Attribute	FC	Source
Mod.stVal	ST	[35 01] - I>1 Function
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.phsA	ST	OC_1_A_START (176)
Str.dirPhsA	ST	Other internal source.
Str.phsB	ST	OC_1_B_START (177)
Str.dirPhsB	ST	Other internal source.
Str.phsC	ST	OC_1_C_START (178)
Str.dirPhsC	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	OC_1_PHASE_TRIP_TRI (180)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.18 Logical Node: OcpPTOC2

Description: I>2 Phases Overcurrent Protection

Attribute	FC	Source
Mod.stVal	ST	[35 08] - I>2 Function
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.phsA	ST	OC_2_A_START (182)
Str.dirPhsA	ST	Other internal source.
Str.phsB	ST	OC_2_B_START (183)
Str.dirPhsB	ST	Other internal source.
Str.phsC	ST	OC_2_C_START (184)
Str.dirPhsC	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	OC_2_PHASE_TRIP_TRI (186)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.19 Logical Node: PloPTRC1

Description: Programmable Logic Protection for P743

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Op.general	ST	INTERNAL_TRIPPING (256)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.

1.4.20 Logical Node: TrpCupPDIF1

Description: 87BB Trip confirmation by external criteria

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Str.general	ST	Other internal source.
Str.dirGeneral	ST	Other internal source.
Str.phsA	ST	DDB_87BB_FAULT_A (376)
Str.dirPhsA	ST	Other internal source.
Str.phsB	ST	DDB_87BB_FAULT_B (377)
Str.dirPhsB	ST	Other internal source.
Str.phsC	ST	DDB_87BB_FAULT_C (378)
Str.dirPhsC	ST	Other internal source.
Str.neut	ST	DDB_87BB_FAULT_N (379)
Str.dirNeut	ST	Other internal source.
Str.q	ST	Other internal source.
Str.t	ST	Other internal source.
Op.general	ST	IEC61850_87BB_FAULT_OP (374)
Op.q	ST	Other internal source.
Op.t	ST	Other internal source.

1.4.21 Logical Node: TrpPhsPTRC1

Description: Trip Phase A

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Tr.general	ST	Other internal source.
Tr.q	ST	Other internal source.
Tr.t	ST	Other internal source.

1.4.22 Logical Node: TrpPhsPTRC2

Description: Trip Phase B

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Tr.general	ST	Other internal source.
Tr.q	ST	Other internal source.
Tr.t	ST	Other internal source.

1.4.23 Logical Node: TrpPhsPTRC3

Description: Trip Phase C

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Tr.general	ST	Other internal source.
Tr.q	ST	Other internal source.
Tr.t	ST	Other internal source.

1.5 LOGICAL DEVICE: RECORDS

This section details Courier Cell and Digital Data Bus assignments to IEC61850 Data Attributes within Logical Nodes contained in the Records Logical Device.

1.5.1 Logical Node: LLN0

Description: Records Logical Device

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPIt.vendor	DC	Other internal source.
NamPIt.swRev	DC	[00 11] - Software Ref. 1
NamPIt.d	DC	Other internal source.
NamPIt.configRev	DC	Other internal source.
NamPIt.IdNs	EX	Other internal source.

1.5.2 Logical Node: LPHD1

Description: Physical Device Information

Attribute	FC	Source
PhyNam.vendor	DC	Other internal source.
PhyNam.hwRev	DC	Other internal source.
PhyNam.swRev	DC	[00 11] - Software Ref. 1
PhyNam.serNum	DC	[00 08] - Serial Number
PhyNam.model	DC	[00 06] - Model Number
PhyNam.location	DC	[00 05] - Plant Reference
PhyHealth.stVal	ST	Other internal source.
PhyHealth.q	ST	Other internal source.
PhyHealth.t	ST	Other internal source.
Proxy.stVal	ST	Other internal source.
Proxy.q	ST	Other internal source.
Proxy.t	ST	Other internal source.
Proxy.d	DC	Other internal source.
PwrUp.stVal	ST	Other internal source.
PwrUp.q	ST	Other internal source.
PwrUp.t	ST	Other internal source.
PwrUp.d	DC	Other internal source.

1.5.3 Logical Node: RDRE1

Description: Disturbance Recorder

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPIt.vendor	DC	Other internal source.
NamPIt.swRev	DC	[00 11] - Software Ref. 1
NamPIt.d	DC	Other internal source.
RcdMade.stVal	ST	Other internal source.

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Attribute	FC	Source
RcdMade.q	ST	Other internal source.
RcdMade.t	ST	Other internal source.
FltNum.stVal	ST	Other internal source.
FltNum.q	ST	Other internal source.
FltNum.t	ST	Other internal source.

1.6 LOGICAL DEVICE: SYSTEM

This section details Courier Cell and Digital Data Bus assignments to IEC61850 Data Attributes within Logical Nodes contained in the System Logical Device.

1.6.1 Logical Node: AlmGGIO1

Description: Alarms

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Alm1.stVal	ST	Other internal source.
Alm1.q	ST	Other internal source.
Alm1.t	ST	Other internal source.
Alm1.d	DC	Other internal source.
Alm2.stVal	ST	Other internal source.
Alm2.q	ST	Other internal source.
Alm2.t	ST	Other internal source.
Alm2.d	DC	Other internal source.
Alm3.stVal	ST	ALARM_CBF (174)
Alm3.q	ST	Other internal source.
Alm3.t	ST	Other internal source.
Alm3.d	DC	ALARM_CBF (174)
Alm4.stVal	ST	ALARM_OFFSET_ABCN (239)
Alm4.q	ST	Other internal source.
Alm4.t	ST	Other internal source.
Alm4.d	DC	ALARM_OFFSET_ABCN (239)
Alm5.stVal	ST	ALARM_PU_FAULT_MINOR (252)
Alm5.q	ST	Other internal source.
Alm5.t	ST	Other internal source.
Alm5.d	DC	ALARM_PU_FAULT_MINOR (252)
Alm6.stVal	ST	ALARM_PU_FAULT_MAJOR (253)
Alm6.q	ST	Other internal source.
Alm6.t	ST	Other internal source.
Alm6.d	DC	ALARM_PU_FAULT_MAJOR (253)
Alm7.stVal	ST	ALARM_CT_FAULT (255)
Alm7.q	ST	Other internal source.
Alm7.t	ST	Other internal source.
Alm7.d	DC	ALARM_CT_FAULT (255)
Alm8.stVal	ST	ALARM_CB_STATUS (352)
Alm8.q	ST	Other internal source.
Alm8.t	ST	Other internal source.
Alm8.d	DC	ALARM_CB_STATUS (352)
Alm9.stVal	ST	ALARM_CB_FAIL_CLOSE (353)
Alm9.q	ST	Other internal source.
Alm9.t	ST	Other internal source.
Alm9.d	DC	ALARM_CB_FAIL_CLOSE (353)
Alm10.stVal	ST	ALARM_CB_FAIL_TRIP (354)
Alm10.q	ST	Other internal source.
Alm10.t	ST	Other internal source.
Alm10.d	DC	ALARM_CB_FAIL_TRIP (354)
Alm11.stVal	ST	ALARM_CURRENT_OVERFLOW (235)
Alm11.q	ST	Other internal source.
Alm11.t	ST	Other internal source.
Alm11.d	DC	ALARM_CURRENT_OVERFLOW (235)

Attribute	FC	Source
Alm12.stVal	ST	ALARM_DEAD_ZONE (261)
Alm12.q	ST	Other internal source.
Alm12.t	ST	Other internal source.
Alm12.d	DC	ALARM_DEAD_ZONE (261)
Alm13.stVal	ST	ALARM_OPERATING_MODE_3 (266)
Alm13.q	ST	Other internal source.
Alm13.t	ST	Other internal source.
Alm13.d	DC	Other internal source.
Alm14.stVal	ST	ALARM_ALL_PROT_DISABLED (270)
Alm14.q	ST	Other internal source.
Alm14.t	ST	Other internal source.
Alm14.d	DC	ALARM_ALL_PROT_DISABLED (270)
Alm15.stVal	ST	ALARM_MAINTENANCE_CONSIGNATION (307)
Alm15.q	ST	Other internal source.
Alm15.t	ST	Other internal source.
Alm15.d	DC	ALARM_MAINTENANCE_CONSIGNATION (307)
Alm16.stVal	ST	ALARM_FEEDER_CONSIGNATION (308)
Alm16.q	ST	Other internal source.
Alm16.t	ST	Other internal source.
Alm16.d	DC	ALARM_FEEDER_CONSIGNATION (308)
Alm17.stVal	ST	ALARM_IS_1_POSITION (321)
Alm17.q	ST	Other internal source.
Alm17.t	ST	Other internal source.
Alm17.d	DC	ALARM_IS_1_POSITION (321)
Alm18.stVal	ST	ALARM_IS_2_POSITION (323)
Alm18.q	ST	Other internal source.
Alm18.t	ST	Other internal source.
Alm18.d	DC	ALARM_IS_2_POSITION (323)
Alm19.stVal	ST	ALARM_IS_3_POSITION (325)
Alm19.q	ST	Other internal source.
Alm19.t	ST	Other internal source.
Alm19.d	DC	ALARM_IS_3_POSITION (325)
Alm20.stVal	ST	ALARM_IS_4_POSITION (327)
Alm20.q	ST	Other internal source.
Alm20.t	ST	Other internal source.
Alm20.d	DC	ALARM_IS_4_POSITION (327)
Alm21.stVal	ST	ALARM_IS_5_POSITION (329)
Alm21.q	ST	Other internal source.
Alm21.t	ST	Other internal source.
Alm21.d	DC	ALARM_IS_5_POSITION (329)
Alm22.stVal	ST	ALARM_IS_6_POSITION (331)
Alm22.q	ST	Other internal source.
Alm22.t	ST	Other internal source.
Alm22.d	DC	ALARM_IS_6_POSITION (331)
Alm23.stVal	ST	ALARM_GENERAL (351)
Alm23.q	ST	Other internal source.
Alm23.t	ST	Other internal source.
Alm23.d	DC	ALARM_GENERAL (351)
Alm24.stVal	ST	ALARM_CT_SUPERVISION (375)
Alm24.q	ST	Other internal source.
Alm24.t	ST	Other internal source.
Alm24.d	DC	ALARM_CT_SUPERVISION (375)
Alm25.stVal	ST	Other internal source.
Alm25.q	ST	Other internal source.
Alm25.t	ST	Other internal source.
Alm25.d	DC	Other internal source.
Alm26.stVal	ST	Other internal source.
Alm26.q	ST	Other internal source.
Alm26.t	ST	Other internal source.
Alm26.d	DC	Other internal source.
Alm27.stVal	ST	Other internal source.
Alm27.q	ST	Other internal source.
Alm27.t	ST	Other internal source.
Alm27.d	DC	Other internal source.
Alm28.stVal	ST	Other internal source.
Alm28.q	ST	Other internal source.
Alm28.t	ST	Other internal source.

Attribute	FC	Source
Alm28.d	DC	Other internal source.
Alm29.stVal	ST	Other internal source.
Alm29.q	ST	Other internal source.
Alm29.t	ST	Other internal source.
Alm29.d	DC	Other internal source.
Alm30.stVal	ST	Other internal source.
Alm30.q	ST	Other internal source.
Alm30.t	ST	Other internal source.
Alm30.d	DC	Other internal source.
Alm31.stVal	ST	Other internal source.
Alm31.q	ST	Other internal source.
Alm31.t	ST	Other internal source.
Alm31.d	DC	Other internal source.
Alm32.stVal	ST	Other internal source.
Alm32.q	ST	Other internal source.
Alm32.t	ST	Other internal source.
Alm32.d	DC	Other internal source.
Alm33.stVal	ST	ALARM_USER_1 (136)
Alm33.q	ST	Other internal source.
Alm33.t	ST	Other internal source.
Alm33.d	DC	ALARM_USER_1 (136)
Alm34.stVal	ST	ALARM_USER_2 (137)
Alm34.q	ST	Other internal source.
Alm34.t	ST	Other internal source.
Alm34.d	DC	ALARM_USER_2 (137)
Alm35.stVal	ST	ALARM_USER_3 (138)
Alm35.q	ST	Other internal source.
Alm35.t	ST	Other internal source.
Alm35.d	DC	ALARM_USER_3 (138)
Alm36.stVal	ST	ALARM_USER_4 (139)
Alm36.q	ST	Other internal source.
Alm36.t	ST	Other internal source.
Alm36.d	DC	ALARM_USER_4 (139)
Alm37.stVal	ST	ALARM_USER_5 (140)
Alm37.q	ST	Other internal source.
Alm37.t	ST	Other internal source.
Alm37.d	DC	ALARM_USER_5 (140)
Alm38.stVal	ST	ALARM_USER_6 (141)
Alm38.q	ST	Other internal source.
Alm38.t	ST	Other internal source.
Alm38.d	DC	ALARM_USER_6 (141)
Alm39.stVal	ST	ALARM_USER_7 (142)
Alm39.q	ST	Other internal source.
Alm39.t	ST	Other internal source.
Alm39.d	DC	ALARM_USER_7 (142)
Alm40.stVal	ST	Other internal source.
Alm40.q	ST	Other internal source.
Alm40.t	ST	Other internal source.
Alm40.d	DC	Other internal source.
Alm41.stVal	ST	Other internal source.
Alm41.q	ST	Other internal source.
Alm41.t	ST	Other internal source.
Alm41.d	DC	Other internal source.
Alm42.stVal	ST	Other internal source.
Alm42.q	ST	Other internal source.
Alm42.t	ST	Other internal source.
Alm42.d	DC	Other internal source.
Alm43.stVal	ST	Other internal source.
Alm43.q	ST	Other internal source.
Alm43.t	ST	Other internal source.
Alm43.d	DC	Other internal source.
Alm44.stVal	ST	Other internal source.
Alm44.q	ST	Other internal source.
Alm44.t	ST	Other internal source.
Alm44.d	DC	Other internal source.
Alm45.stVal	ST	Other internal source.
Alm45.q	ST	Other internal source.

Attribute	FC	Source
Alm45.t	ST	Other internal source.
Alm45.d	DC	Other internal source.
Alm46.stVal	ST	Other internal source.
Alm46.q	ST	Other internal source.
Alm46.t	ST	Other internal source.
Alm46.d	DC	Other internal source.
Alm47.stVal	ST	Other internal source.
Alm47.q	ST	Other internal source.
Alm47.t	ST	Other internal source.
Alm47.d	DC	Other internal source.
Alm48.stVal	ST	Other internal source.
Alm48.q	ST	Other internal source.
Alm48.t	ST	Other internal source.
Alm48.d	DC	Other internal source.
Alm49.stVal	ST	Other internal source.
Alm49.q	ST	Other internal source.
Alm49.t	ST	Other internal source.
Alm49.d	DC	Other internal source.
Alm50.stVal	ST	Other internal source.
Alm50.q	ST	Other internal source.
Alm50.t	ST	Other internal source.
Alm50.d	DC	Other internal source.
Alm51.stVal	ST	Other internal source.
Alm51.q	ST	Other internal source.
Alm51.t	ST	Other internal source.
Alm51.d	DC	Other internal source.
Alm52.stVal	ST	Other internal source.
Alm52.q	ST	Other internal source.
Alm52.t	ST	Other internal source.
Alm52.d	DC	Other internal source.
Alm53.stVal	ST	Other internal source.
Alm53.q	ST	Other internal source.
Alm53.t	ST	Other internal source.
Alm53.d	DC	Other internal source.
Alm54.stVal	ST	Other internal source.
Alm54.q	ST	Other internal source.
Alm54.t	ST	Other internal source.
Alm54.d	DC	Other internal source.
Alm55.stVal	ST	Other internal source.
Alm55.q	ST	Other internal source.
Alm55.t	ST	Other internal source.
Alm55.d	DC	Other internal source.
Alm56.stVal	ST	Other internal source.
Alm56.q	ST	Other internal source.
Alm56.t	ST	Other internal source.
Alm56.d	DC	Other internal source.
Alm57.stVal	ST	Other internal source.
Alm57.q	ST	Other internal source.
Alm57.t	ST	Other internal source.
Alm57.d	DC	Other internal source.
Alm58.stVal	ST	Other internal source.
Alm58.q	ST	Other internal source.
Alm58.t	ST	Other internal source.
Alm58.d	DC	Other internal source.
Alm59.stVal	ST	Other internal source.
Alm59.q	ST	Other internal source.
Alm59.t	ST	Other internal source.
Alm59.d	DC	Other internal source.
Alm60.stVal	ST	Other internal source.
Alm60.q	ST	Other internal source.
Alm60.t	ST	Other internal source.
Alm60.d	DC	Other internal source.
Alm61.stVal	ST	Other internal source.
Alm61.q	ST	Other internal source.
Alm61.t	ST	Other internal source.
Alm61.d	DC	Other internal source.
Alm62.stVal	ST	Other internal source.

Attribute	FC	Source
Alm62.q	ST	Other internal source.
Alm62.t	ST	Other internal source.
Alm62.d	DC	Other internal source.
Alm63.stVal	ST	Other internal source.
Alm63.q	ST	Other internal source.
Alm63.t	ST	Other internal source.
Alm63.d	DC	Other internal source.
Alm64.stVal	ST	Other internal source.
Alm64.q	ST	Other internal source.
Alm64.t	ST	Other internal source.
Alm64.d	DC	Other internal source.
Alm65.stVal	ST	DDB_PLAT_BATTERY_FAIL_ALARM (469)
Alm65.q	ST	Other internal source.
Alm65.t	ST	Other internal source.
Alm65.d	DC	DDB_PLAT_BATTERY_FAIL_ALARM (469)
Alm66.stVal	ST	DDB_PLAT_FIELD_VOLT_FAIL_ALARM (470)
Alm66.q	ST	Other internal source.
Alm66.t	ST	Other internal source.
Alm66.d	DC	DDB_PLAT_FIELD_VOLT_FAIL_ALARM (470)
Alm67.stVal	ST	DDB_REAR_COMMS_FAIL_ALARM_66 (471)
Alm67.q	ST	Other internal source.
Alm67.t	ST	Other internal source.
Alm67.d	DC	DDB_REAR_COMMS_FAIL_ALARM_66 (471)
Alm68.stVal	ST	DDB_GOOSE_IED_MISSING_ALARM_67 (472)
Alm68.q	ST	Other internal source.
Alm68.t	ST	Other internal source.
Alm68.d	DC	DDB_GOOSE_IED_MISSING_ALARM_67 (472)
Alm69.stVal	ST	DDB_ECARD_NOT_FITTED_ALARM_68 (473)
Alm69.q	ST	Other internal source.
Alm69.t	ST	Other internal source.
Alm69.d	DC	DDB_ECARD_NOT_FITTED_ALARM_68 (473)
Alm70.stVal	ST	DDB_NIC_NOT_RESPONDING_69 (474)
Alm70.q	ST	Other internal source.
Alm70.t	ST	Other internal source.
Alm70.d	DC	DDB_NIC_NOT_RESPONDING_69 (474)
Alm71.stVal	ST	DDB_NIC_FATAL_ERROR_70 (475)
Alm71.q	ST	Other internal source.
Alm71.t	ST	Other internal source.
Alm71.d	DC	DDB_NIC_FATAL_ERROR_70 (475)
Alm72.stVal	ST	DDB_NIC_SOFTWARE_RELOAD_71 (476)
Alm72.q	ST	Other internal source.
Alm72.t	ST	Other internal source.
Alm72.d	DC	DDB_NIC_SOFTWARE_RELOAD_71 (476)
Alm73.stVal	ST	DDB_INVALID_NIC_TCP_IP_CONFIG_72 (477)
Alm73.q	ST	Other internal source.
Alm73.t	ST	Other internal source.
Alm73.d	DC	DDB_INVALID_NIC_TCP_IP_CONFIG_72 (477)
Alm74.stVal	ST	DDB_INVALID_NIC_OSI_CONFIG_73 (478)
Alm74.q	ST	Other internal source.
Alm74.t	ST	Other internal source.
Alm74.d	DC	DDB_INVALID_NIC_OSI_CONFIG_73 (478)
Alm75.stVal	ST	DDB_NIC_LINK_FAIL_74 (479)
Alm75.q	ST	Other internal source.
Alm75.t	ST	Other internal source.
Alm75.d	DC	DDB_NIC_LINK_FAIL_74 (479)
Alm76.stVal	ST	DDB_SOFTWARE_MISMATCH_ALARM_75 (480)
Alm76.q	ST	Other internal source.
Alm76.t	ST	Other internal source.
Alm76.d	DC	DDB_SOFTWARE_MISMATCH_ALARM_75 (480)
Alm77.stVal	ST	DDB_NIC_IP_ADDRESS_CONFLICT_76 (481)
Alm77.q	ST	Other internal source.
Alm77.t	ST	Other internal source.
Alm77.d	DC	DDB_NIC_IP_ADDRESS_CONFLICT_76 (481)
Alm78.stVal	ST	DDB_INTERMICOM_LOOPBACK_ALARM_77 (482)
Alm78.q	ST	Other internal source.
Alm78.t	ST	Other internal source.
Alm78.d	DC	DDB_INTERMICOM_LOOPBACK_ALARM_77 (482)

Attribute	FC	Source
Alm79.stVal	ST	DDB_INTERMICOM_MESSAGE_ALARM_78 (483)
Alm79.q	ST	Other internal source.
Alm79.t	ST	Other internal source.
Alm79.d	DC	DDB_INTERMICOM_MESSAGE_ALARM_78 (483)
Alm80.stVal	ST	DDB_INTERMICOM_DCD_ALARM_79 (484)
Alm80.q	ST	Other internal source.
Alm80.t	ST	Other internal source.
Alm80.d	DC	DDB_INTERMICOM_DCD_ALARM_79 (484)
Alm81.stVal	ST	DDB_INTERMICOM_CHANNEL_ALARM_80 (485)
Alm81.q	ST	Other internal source.
Alm81.t	ST	Other internal source.
Alm81.d	DC	DDB_INTERMICOM_CHANNEL_ALARM_80 (485)
Alm82.stVal	ST	DDB_BACKUP_SETTING_ALARM_81 (486)
Alm82.q	ST	Other internal source.
Alm82.t	ST	Other internal source.
Alm82.d	DC	DDB_BACKUP_SETTING_ALARM_81 (486)
Alm83.stVal	ST	Other internal source.
Alm83.q	ST	Other internal source.
Alm83.t	ST	Other internal source.
Alm83.d	DC	Other internal source.
Alm84.stVal	ST	Other internal source.
Alm84.q	ST	Other internal source.
Alm84.t	ST	Other internal source.
Alm84.d	DC	Other internal source.
Alm85.stVal	ST	Other internal source.
Alm85.q	ST	Other internal source.
Alm85.t	ST	Other internal source.
Alm85.d	DC	Other internal source.
Alm86.stVal	ST	Other internal source.
Alm86.q	ST	Other internal source.
Alm86.t	ST	Other internal source.
Alm86.d	DC	Other internal source.
Alm87.stVal	ST	Other internal source.
Alm87.q	ST	Other internal source.
Alm87.t	ST	Other internal source.
Alm87.d	DC	Other internal source.
Alm88.stVal	ST	Other internal source.
Alm88.q	ST	Other internal source.
Alm88.t	ST	Other internal source.
Alm88.d	DC	Other internal source.
Alm89.stVal	ST	Other internal source.
Alm89.q	ST	Other internal source.
Alm89.t	ST	Other internal source.
Alm89.d	DC	Other internal source.
Alm90.stVal	ST	Other internal source.
Alm90.q	ST	Other internal source.
Alm90.t	ST	Other internal source.
Alm90.d	DC	Other internal source.
Alm91.stVal	ST	Other internal source.
Alm91.q	ST	Other internal source.
Alm91.t	ST	Other internal source.
Alm91.d	DC	Other internal source.
Alm92.stVal	ST	Other internal source.
Alm92.q	ST	Other internal source.
Alm92.t	ST	Other internal source.
Alm92.d	DC	Other internal source.
Alm93.stVal	ST	Other internal source.
Alm93.q	ST	Other internal source.
Alm93.t	ST	Other internal source.
Alm93.d	DC	Other internal source.
Alm94.stVal	ST	Other internal source.
Alm94.q	ST	Other internal source.
Alm94.t	ST	Other internal source.
Alm94.d	DC	Other internal source.
Alm95.stVal	ST	Other internal source.
Alm95.q	ST	Other internal source.
Alm95.t	ST	Other internal source.

Attribute	FC	Source
Alm95.d	DC	Other internal source.
Alm96.stVal	ST	Other internal source.
Alm96.q	ST	Other internal source.
Alm96.t	ST	Other internal source.
Alm96.d	DC	Other internal source.

1.6.2 Logical Node: FnkGGIO1

Description: Function Keys

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	DDB_FN_KEY_1 (676)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	[17 04] - Fn Key 1 Label
Ind2.stVal	ST	DDB_FN_KEY_2 (677)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	[17 07] - Fn Key 2 Label
Ind3.stVal	ST	DDB_FN_KEY_3 (678)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	[17 0A] - Fn Key 3 Label
Ind4.stVal	ST	DDB_FN_KEY_4 (679)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	[17 0D] - Fn Key 4 Label
Ind5.stVal	ST	DDB_FN_KEY_5 (680)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	[17 10] - Fn Key 5 Label
Ind6.stVal	ST	DDB_FN_KEY_6 (681)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	[17 13] - Fn Key 6 Label
Ind7.stVal	ST	DDB_FN_KEY_7 (682)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	[17 16] - Fn Key 7 Label
Ind8.stVal	ST	DDB_FN_KEY_8 (683)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	[17 19] - Fn Key 8 Label
Ind9.stVal	ST	DDB_FN_KEY_9 (684)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	[17 1C] - Fn Key 9 Label
Ind10.stVal	ST	DDB_FN_KEY_10 (685)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	[17 1F] - Fn Key 10 Label

1.6.3 Logical Node: GosGGIO1

Description: GOOSE Input Signals

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	DDB_GOOSEIN_1 (1024)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	DDB_GOOSEIN_1 (1024)
Ind2.stVal	ST	DDB_GOOSEIN_2 (1025)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	DDB_GOOSEIN_2 (1025)
Ind3.stVal	ST	DDB_GOOSEIN_3 (1026)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	DDB_GOOSEIN_3 (1026)
Ind4.stVal	ST	DDB_GOOSEIN_4 (1027)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	DDB_GOOSEIN_4 (1027)
Ind5.stVal	ST	DDB_GOOSEIN_5 (1028)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	DDB_GOOSEIN_5 (1028)
Ind6.stVal	ST	DDB_GOOSEIN_6 (1029)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	DDB_GOOSEIN_6 (1029)
Ind7.stVal	ST	DDB_GOOSEIN_7 (1030)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	DDB_GOOSEIN_7 (1030)
Ind8.stVal	ST	DDB_GOOSEIN_8 (1031)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	DDB_GOOSEIN_8 (1031)
Ind9.stVal	ST	DDB_GOOSEIN_9 (1032)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	DDB_GOOSEIN_9 (1032)
Ind10.stVal	ST	DDB_GOOSEIN_10 (1033)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	DDB_GOOSEIN_10 (1033)
Ind11.stVal	ST	DDB_GOOSEIN_11 (1034)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	DDB_GOOSEIN_11 (1034)
Ind12.stVal	ST	DDB_GOOSEIN_12 (1035)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	DDB_GOOSEIN_12 (1035)
Ind13.stVal	ST	DDB_GOOSEIN_13 (1036)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	DDB_GOOSEIN_13 (1036)

Attribute	FC	Source
Ind14.stVal	ST	DDB_GOOSEIN_14 (1037)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	DDB_GOOSEIN_14 (1037)
Ind15.stVal	ST	DDB_GOOSEIN_15 (1038)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	DDB_GOOSEIN_15 (1038)
Ind16.stVal	ST	DDB_GOOSEIN_16 (1039)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	DDB_GOOSEIN_16 (1039)
Ind17.stVal	ST	DDB_GOOSEIN_17 (1040)
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	DDB_GOOSEIN_17 (1040)
Ind18.stVal	ST	DDB_GOOSEIN_18 (1041)
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	DDB_GOOSEIN_18 (1041)
Ind19.stVal	ST	DDB_GOOSEIN_19 (1042)
Ind19.q	ST	Other internal source.
Ind19.t	ST	Other internal source.
Ind19.d	DC	DDB_GOOSEIN_19 (1042)
Ind20.stVal	ST	DDB_GOOSEIN_20 (1043)
Ind20.q	ST	Other internal source.
Ind20.t	ST	Other internal source.
Ind20.d	DC	DDB_GOOSEIN_20 (1043)
Ind21.stVal	ST	DDB_GOOSEIN_21 (1044)
Ind21.q	ST	Other internal source.
Ind21.t	ST	Other internal source.
Ind21.d	DC	DDB_GOOSEIN_21 (1044)
Ind22.stVal	ST	DDB_GOOSEIN_22 (1045)
Ind22.q	ST	Other internal source.
Ind22.t	ST	Other internal source.
Ind22.d	DC	DDB_GOOSEIN_22 (1045)
Ind23.stVal	ST	DDB_GOOSEIN_23 (1046)
Ind23.q	ST	Other internal source.
Ind23.t	ST	Other internal source.
Ind23.d	DC	DDB_GOOSEIN_23 (1046)
Ind24.stVal	ST	DDB_GOOSEIN_24 (1047)
Ind24.q	ST	Other internal source.
Ind24.t	ST	Other internal source.
Ind24.d	DC	DDB_GOOSEIN_24 (1047)
Ind25.stVal	ST	DDB_GOOSEIN_25 (1048)
Ind25.q	ST	Other internal source.
Ind25.t	ST	Other internal source.
Ind25.d	DC	DDB_GOOSEIN_25 (1048)
Ind26.stVal	ST	DDB_GOOSEIN_26 (1049)
Ind26.q	ST	Other internal source.
Ind26.t	ST	Other internal source.
Ind26.d	DC	DDB_GOOSEIN_26 (1049)
Ind27.stVal	ST	DDB_GOOSEIN_27 (1050)
Ind27.q	ST	Other internal source.
Ind27.t	ST	Other internal source.
Ind27.d	DC	DDB_GOOSEIN_27 (1050)
Ind28.stVal	ST	DDB_GOOSEIN_28 (1051)
Ind28.q	ST	Other internal source.
Ind28.t	ST	Other internal source.
Ind28.d	DC	DDB_GOOSEIN_28 (1051)
Ind29.stVal	ST	DDB_GOOSEIN_29 (1052)
Ind29.q	ST	Other internal source.
Ind29.t	ST	Other internal source.
Ind29.d	DC	DDB_GOOSEIN_29 (1052)
Ind30.stVal	ST	DDB_GOOSEIN_30 (1053)
Ind30.q	ST	Other internal source.
Ind30.t	ST	Other internal source.

Attribute	FC	Source
Ind30.d	DC	DDB_GOOSEIN_30 (1053)
Ind31.stVal	ST	DDB_GOOSEIN_31 (1054)
Ind31.q	ST	Other internal source.
Ind31.t	ST	Other internal source.
Ind31.d	DC	DDB_GOOSEIN_31 (1054)
Ind32.stVal	ST	DDB_GOOSEIN_32 (1055)
Ind32.q	ST	Other internal source.
Ind32.t	ST	Other internal source.
Ind32.d	DC	DDB_GOOSEIN_32 (1055)
Ind33.stVal	ST	DDB_GOOSEIN_33 (1056)
Ind33.q	ST	Other internal source.
Ind33.t	ST	Other internal source.
Ind33.d	DC	DDB_GOOSEIN_33 (1056)
Ind34.stVal	ST	DDB_GOOSEIN_34 (1057)
Ind34.q	ST	Other internal source.
Ind34.t	ST	Other internal source.
Ind34.d	DC	DDB_GOOSEIN_34 (1057)
Ind35.stVal	ST	DDB_GOOSEIN_35 (1058)
Ind35.q	ST	Other internal source.
Ind35.t	ST	Other internal source.
Ind35.d	DC	DDB_GOOSEIN_35 (1058)
Ind36.stVal	ST	DDB_GOOSEIN_36 (1059)
Ind36.q	ST	Other internal source.
Ind36.t	ST	Other internal source.
Ind36.d	DC	DDB_GOOSEIN_36 (1059)
Ind37.stVal	ST	DDB_GOOSEIN_37 (1060)
Ind37.q	ST	Other internal source.
Ind37.t	ST	Other internal source.
Ind37.d	DC	DDB_GOOSEIN_37 (1060)
Ind38.stVal	ST	DDB_GOOSEIN_38 (1061)
Ind38.q	ST	Other internal source.
Ind38.t	ST	Other internal source.
Ind38.d	DC	DDB_GOOSEIN_38 (1061)
Ind39.stVal	ST	DDB_GOOSEIN_39 (1062)
Ind39.q	ST	Other internal source.
Ind39.t	ST	Other internal source.
Ind39.d	DC	DDB_GOOSEIN_39 (1062)
Ind40.stVal	ST	DDB_GOOSEIN_40 (1063)
Ind40.q	ST	Other internal source.
Ind40.t	ST	Other internal source.
Ind40.d	DC	DDB_GOOSEIN_40 (1063)
Ind41.stVal	ST	DDB_GOOSEIN_41 (1064)
Ind41.q	ST	Other internal source.
Ind41.t	ST	Other internal source.
Ind41.d	DC	DDB_GOOSEIN_41 (1064)
Ind42.stVal	ST	DDB_GOOSEIN_42 (1065)
Ind42.q	ST	Other internal source.
Ind42.t	ST	Other internal source.
Ind42.d	DC	DDB_GOOSEIN_42 (1065)
Ind43.stVal	ST	DDB_GOOSEIN_43 (1066)
Ind43.q	ST	Other internal source.
Ind43.t	ST	Other internal source.
Ind43.d	DC	DDB_GOOSEIN_43 (1066)
Ind44.stVal	ST	DDB_GOOSEIN_44 (1067)
Ind44.q	ST	Other internal source.
Ind44.t	ST	Other internal source.
Ind44.d	DC	DDB_GOOSEIN_44 (1067)
Ind45.stVal	ST	DDB_GOOSEIN_45 (1068)
Ind45.q	ST	Other internal source.
Ind45.t	ST	Other internal source.
Ind45.d	DC	DDB_GOOSEIN_45 (1068)
Ind46.stVal	ST	DDB_GOOSEIN_46 (1069)
Ind46.q	ST	Other internal source.
Ind46.t	ST	Other internal source.
Ind46.d	DC	DDB_GOOSEIN_46 (1069)
Ind47.stVal	ST	DDB_GOOSEIN_47 (1070)
Ind47.q	ST	Other internal source.

Attribute	FC	Source
Ind47.t	ST	Other internal source.
Ind47.d	DC	DDB_GOOSEIN_47 (1070)
Ind48.stVal	ST	DDB_GOOSEIN_48 (1071)
Ind48.q	ST	Other internal source.
Ind48.t	ST	Other internal source.
Ind48.d	DC	DDB_GOOSEIN_48 (1071)
Ind49.stVal	ST	DDB_GOOSEIN_49 (1072)
Ind49.q	ST	Other internal source.
Ind49.t	ST	Other internal source.
Ind49.d	DC	DDB_GOOSEIN_49 (1072)
Ind50.stVal	ST	DDB_GOOSEIN_50 (1073)
Ind50.q	ST	Other internal source.
Ind50.t	ST	Other internal source.
Ind50.d	DC	DDB_GOOSEIN_50 (1073)
Ind51.stVal	ST	DDB_GOOSEIN_51 (1074)
Ind51.q	ST	Other internal source.
Ind51.t	ST	Other internal source.
Ind51.d	DC	DDB_GOOSEIN_51 (1074)
Ind52.stVal	ST	DDB_GOOSEIN_52 (1075)
Ind52.q	ST	Other internal source.
Ind52.t	ST	Other internal source.
Ind52.d	DC	DDB_GOOSEIN_52 (1075)
Ind53.stVal	ST	DDB_GOOSEIN_53 (1076)
Ind53.q	ST	Other internal source.
Ind53.t	ST	Other internal source.
Ind53.d	DC	DDB_GOOSEIN_53 (1076)
Ind54.stVal	ST	DDB_GOOSEIN_54 (1077)
Ind54.q	ST	Other internal source.
Ind54.t	ST	Other internal source.
Ind54.d	DC	DDB_GOOSEIN_54 (1077)
Ind55.stVal	ST	DDB_GOOSEIN_55 (1078)
Ind55.q	ST	Other internal source.
Ind55.t	ST	Other internal source.
Ind55.d	DC	DDB_GOOSEIN_55 (1078)
Ind56.stVal	ST	DDB_GOOSEIN_56 (1079)
Ind56.q	ST	Other internal source.
Ind56.t	ST	Other internal source.
Ind56.d	DC	DDB_GOOSEIN_56 (1079)
Ind57.stVal	ST	DDB_GOOSEIN_57 (1080)
Ind57.q	ST	Other internal source.
Ind57.t	ST	Other internal source.
Ind57.d	DC	DDB_GOOSEIN_57 (1080)
Ind58.stVal	ST	DDB_GOOSEIN_58 (1081)
Ind58.q	ST	Other internal source.
Ind58.t	ST	Other internal source.
Ind58.d	DC	DDB_GOOSEIN_58 (1081)
Ind59.stVal	ST	DDB_GOOSEIN_59 (1082)
Ind59.q	ST	Other internal source.
Ind59.t	ST	Other internal source.
Ind59.d	DC	DDB_GOOSEIN_59 (1082)
Ind60.stVal	ST	DDB_GOOSEIN_60 (1083)
Ind60.q	ST	Other internal source.
Ind60.t	ST	Other internal source.
Ind60.d	DC	DDB_GOOSEIN_60 (1083)
Ind61.stVal	ST	DDB_GOOSEIN_61 (1084)
Ind61.q	ST	Other internal source.
Ind61.t	ST	Other internal source.
Ind61.d	DC	DDB_GOOSEIN_61 (1084)
Ind62.stVal	ST	DDB_GOOSEIN_62 (1085)
Ind62.q	ST	Other internal source.
Ind62.t	ST	Other internal source.
Ind62.d	DC	DDB_GOOSEIN_62 (1085)
Ind63.stVal	ST	DDB_GOOSEIN_63 (1086)
Ind63.q	ST	Other internal source.
Ind63.t	ST	Other internal source.
Ind63.d	DC	DDB_GOOSEIN_63 (1086)
Ind64.stVal	ST	DDB_GOOSEIN_64 (1087)

Attribute	FC	Source
Ind64.q	ST	Other internal source.
Ind64.t	ST	Other internal source.
Ind64.d	DC	DDB_GOOSEIN_64 (1087)

1.6.4 Logical Node: GosGGIO2

Description: GOOSE Output Signals

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	DDB_GOOSEOUT_1 (512)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	DDB_GOOSEOUT_1 (512)
Ind2.stVal	ST	DDB_GOOSEOUT_2 (513)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	DDB_GOOSEOUT_2 (513)
Ind3.stVal	ST	DDB_GOOSEOUT_3 (514)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	DDB_GOOSEOUT_3 (514)
Ind4.stVal	ST	DDB_GOOSEOUT_4 (515)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	DDB_GOOSEOUT_4 (515)
Ind5.stVal	ST	DDB_GOOSEOUT_5 (516)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	DDB_GOOSEOUT_5 (516)
Ind6.stVal	ST	DDB_GOOSEOUT_6 (517)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	DDB_GOOSEOUT_6 (517)
Ind7.stVal	ST	DDB_GOOSEOUT_7 (518)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	DDB_GOOSEOUT_7 (518)
Ind8.stVal	ST	DDB_GOOSEOUT_8 (519)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	DDB_GOOSEOUT_8 (519)
Ind9.stVal	ST	DDB_GOOSEOUT_9 (520)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	DDB_GOOSEOUT_9 (520)
Ind10.stVal	ST	DDB_GOOSEOUT_10 (521)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	DDB_GOOSEOUT_10 (521)
Ind11.stVal	ST	DDB_GOOSEOUT_11 (522)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	DDB_GOOSEOUT_11 (522)
Ind12.stVal	ST	DDB_GOOSEOUT_12 (523)

Attribute	FC	Source
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	DDB_GOOSEOUT_12 (523)
Ind13.stVal	ST	DDB_GOOSEOUT_13 (524)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	DDB_GOOSEOUT_13 (524)
Ind14.stVal	ST	DDB_GOOSEOUT_14 (525)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	DDB_GOOSEOUT_14 (525)
Ind15.stVal	ST	DDB_GOOSEOUT_15 (526)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	DDB_GOOSEOUT_15 (526)
Ind16.stVal	ST	DDB_GOOSEOUT_16 (527)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	DDB_GOOSEOUT_16 (527)
Ind17.stVal	ST	DDB_GOOSEOUT_17 (528)
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	DDB_GOOSEOUT_17 (528)
Ind18.stVal	ST	DDB_GOOSEOUT_18 (529)
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	DDB_GOOSEOUT_18 (529)
Ind19.stVal	ST	DDB_GOOSEOUT_19 (530)
Ind19.q	ST	Other internal source.
Ind19.t	ST	Other internal source.
Ind19.d	DC	DDB_GOOSEOUT_19 (530)
Ind20.stVal	ST	DDB_GOOSEOUT_20 (531)
Ind20.q	ST	Other internal source.
Ind20.t	ST	Other internal source.
Ind20.d	DC	DDB_GOOSEOUT_20 (531)
Ind21.stVal	ST	DDB_GOOSEOUT_21 (532)
Ind21.q	ST	Other internal source.
Ind21.t	ST	Other internal source.
Ind21.d	DC	DDB_GOOSEOUT_21 (532)
Ind22.stVal	ST	DDB_GOOSEOUT_22 (533)
Ind22.q	ST	Other internal source.
Ind22.t	ST	Other internal source.
Ind22.d	DC	DDB_GOOSEOUT_22 (533)
Ind23.stVal	ST	DDB_GOOSEOUT_23 (534)
Ind23.q	ST	Other internal source.
Ind23.t	ST	Other internal source.
Ind23.d	DC	DDB_GOOSEOUT_23 (534)
Ind24.stVal	ST	DDB_GOOSEOUT_24 (535)
Ind24.q	ST	Other internal source.
Ind24.t	ST	Other internal source.
Ind24.d	DC	DDB_GOOSEOUT_24 (535)
Ind25.stVal	ST	DDB_GOOSEOUT_25 (536)
Ind25.q	ST	Other internal source.
Ind25.t	ST	Other internal source.
Ind25.d	DC	DDB_GOOSEOUT_25 (536)
Ind26.stVal	ST	DDB_GOOSEOUT_26 (537)
Ind26.q	ST	Other internal source.
Ind26.t	ST	Other internal source.
Ind26.d	DC	DDB_GOOSEOUT_26 (537)
Ind27.stVal	ST	DDB_GOOSEOUT_27 (538)
Ind27.q	ST	Other internal source.
Ind27.t	ST	Other internal source.
Ind27.d	DC	DDB_GOOSEOUT_27 (538)
Ind28.stVal	ST	DDB_GOOSEOUT_28 (539)
Ind28.q	ST	Other internal source.
Ind28.t	ST	Other internal source.
Ind28.d	DC	DDB_GOOSEOUT_28 (539)

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Attribute	FC	Source
Ind29.stVal	ST	DDB_GOOSEOUT_29 (540)
Ind29.q	ST	Other internal source.
Ind29.t	ST	Other internal source.
Ind29.d	DC	DDB_GOOSEOUT_29 (540)
Ind30.stVal	ST	DDB_GOOSEOUT_30 (541)
Ind30.q	ST	Other internal source.
Ind30.t	ST	Other internal source.
Ind30.d	DC	DDB_GOOSEOUT_30 (541)
Ind31.stVal	ST	DDB_GOOSEOUT_31 (542)
Ind31.q	ST	Other internal source.
Ind31.t	ST	Other internal source.
Ind31.d	DC	DDB_GOOSEOUT_31 (542)
Ind32.stVal	ST	DDB_GOOSEOUT_32 (543)
Ind32.q	ST	Other internal source.
Ind32.t	ST	Other internal source.
Ind32.d	DC	DDB_GOOSEOUT_32 (543)

1.6.5 Logical Node: LckGGIO1

Description: 87BB External Blocking

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	OC_1_PHASE_TIMER_BLOCK (188)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	Other internal source.
Ind2.stVal	ST	OC_2_PHASE_TIMER_BLOCK (190)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	Other internal source.
Ind3.stVal	ST	OC_1_EARTH_TIMER_BLOCK (189)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	Other internal source.
Ind4.stVal	ST	OC_2_EARTH_TIMER_BLOCK (191)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	Other internal source.
Ind5.stVal	ST	INP_BLOCK_87BB_P (294)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	Other internal source.
Ind6.stVal	ST	INP_BLOCK_87BB_N (295)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	Other internal source.

1.6.6 Logical Node: LedGGIO1

Description: Red LED Signals

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.

Attribute	FC	Source
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	DDB_OUTPUT_TRI_LED_1_RED (640)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	DDB_OUTPUT_TRI_LED_1_RED (640)
Ind2.stVal	ST	DDB_OUTPUT_TRI_LED_2_RED (642)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	DDB_OUTPUT_TRI_LED_2_RED (642)
Ind3.stVal	ST	DDB_OUTPUT_TRI_LED_3_RED (644)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	DDB_OUTPUT_TRI_LED_3_RED (644)
Ind4.stVal	ST	DDB_OUTPUT_TRI_LED_4_RED (646)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	DDB_OUTPUT_TRI_LED_4_RED (646)
Ind5.stVal	ST	DDB_OUTPUT_TRI_LED_5_RED (648)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	DDB_OUTPUT_TRI_LED_5_RED (648)
Ind6.stVal	ST	DDB_OUTPUT_TRI_LED_6_RED (650)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	DDB_OUTPUT_TRI_LED_6_RED (650)
Ind7.stVal	ST	DDB_OUTPUT_TRI_LED_7_RED (652)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	DDB_OUTPUT_TRI_LED_7_RED (652)
Ind8.stVal	ST	DDB_OUTPUT_TRI_LED_8_RED (654)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	DDB_OUTPUT_TRI_LED_8_RED (654)
Ind9.stVal	ST	DDB_OUTPUT_TRI_LED_9_RED (656)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	DDB_OUTPUT_TRI_LED_9_RED (656)
Ind10.stVal	ST	DDB_OUTPUT_TRI_LED_10_RED (658)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	DDB_OUTPUT_TRI_LED_10_RED (658)
Ind11.stVal	ST	DDB_OUTPUT_TRI_LED_11_RED (660)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	DDB_OUTPUT_TRI_LED_11_RED (660)
Ind12.stVal	ST	DDB_OUTPUT_TRI_LED_12_RED (662)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	DDB_OUTPUT_TRI_LED_12_RED (662)
Ind13.stVal	ST	DDB_OUTPUT_TRI_LED_13_RED (664)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	DDB_OUTPUT_TRI_LED_13_RED (664)
Ind14.stVal	ST	DDB_OUTPUT_TRI_LED_14_RED (666)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	DDB_OUTPUT_TRI_LED_14_RED (666)

Attribute	FC	Source
Ind15.stVal	ST	DDB_OUTPUT_TRI_LED_15_RED (668)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	DDB_OUTPUT_TRI_LED_15_RED (668)
Ind16.stVal	ST	DDB_OUTPUT_TRI_LED_16_RED (670)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	DDB_OUTPUT_TRI_LED_16_RED (670)
Ind17.stVal	ST	DDB_OUTPUT_TRI_LED_17_RED (672)
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	DDB_OUTPUT_TRI_LED_17_RED (672)
Ind18.stVal	ST	DDB_OUTPUT_TRI_LED_18_RED (674)
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	DDB_OUTPUT_TRI_LED_18_RED (674)

1.6.7 Logical Node: LedGGIO2

Description: Green LED Signals

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	DDB_OUTPUT_TRI_LED_1_GRN (641)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	DDB_OUTPUT_TRI_LED_1_GRN (641)
Ind2.stVal	ST	DDB_OUTPUT_TRI_LED_2_GRN (643)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	DDB_OUTPUT_TRI_LED_2_GRN (643)
Ind3.stVal	ST	DDB_OUTPUT_TRI_LED_3_GRN (645)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	DDB_OUTPUT_TRI_LED_3_GRN (645)
Ind4.stVal	ST	DDB_OUTPUT_TRI_LED_4_GRN (647)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	DDB_OUTPUT_TRI_LED_4_GRN (647)
Ind5.stVal	ST	DDB_OUTPUT_TRI_LED_5_GRN (649)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	DDB_OUTPUT_TRI_LED_5_GRN (649)
Ind6.stVal	ST	DDB_OUTPUT_TRI_LED_6_GRN (651)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	DDB_OUTPUT_TRI_LED_6_GRN (651)
Ind7.stVal	ST	DDB_OUTPUT_TRI_LED_7_GRN (653)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	DDB_OUTPUT_TRI_LED_7_GRN (653)
Ind8.stVal	ST	DDB_OUTPUT_TRI_LED_8_GRN (655)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	DDB_OUTPUT_TRI_LED_8_GRN (655)

Attribute	FC	Source
Ind9.stVal	ST	DDB_OUTPUT_TRI_LED_9_GRN (657)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	DDB_OUTPUT_TRI_LED_9_GRN (657)
Ind10.stVal	ST	DDB_OUTPUT_TRI_LED_10_GRN (659)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	DDB_OUTPUT_TRI_LED_10_GRN (659)
Ind11.stVal	ST	DDB_OUTPUT_TRI_LED_11_GRN (661)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	DDB_OUTPUT_TRI_LED_11_GRN (661)
Ind12.stVal	ST	DDB_OUTPUT_TRI_LED_12_GRN (663)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	DDB_OUTPUT_TRI_LED_12_GRN (663)
Ind13.stVal	ST	DDB_OUTPUT_TRI_LED_13_GRN (665)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	DDB_OUTPUT_TRI_LED_13_GRN (665)
Ind14.stVal	ST	DDB_OUTPUT_TRI_LED_14_GRN (667)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	DDB_OUTPUT_TRI_LED_14_GRN (667)
Ind15.stVal	ST	DDB_OUTPUT_TRI_LED_15_GRN (669)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	DDB_OUTPUT_TRI_LED_15_GRN (669)
Ind16.stVal	ST	DDB_OUTPUT_TRI_LED_16_GRN (671)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	DDB_OUTPUT_TRI_LED_16_GRN (671)
Ind17.stVal	ST	DDB_OUTPUT_TRI_LED_17_GRN (673)
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	DDB_OUTPUT_TRI_LED_17_GRN (673)
Ind18.stVal	ST	DDB_OUTPUT_TRI_LED_18_GRN (675)
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	DDB_OUTPUT_TRI_LED_18_GRN (675)

1.6.8 Logical Node: LLN0

Description: System Logical Device (with Ordrun)

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
NamPlt.configRev	DC	Other internal source.
NamPlt.IdNs	EX	Other internal source.
LEDRs.ctIVal	CO	[01 FF] - Reset Indication
LEDRs.origin.orCat	ST	Other internal source.
LEDRs.origin.orIdent	ST	Other internal source.
LEDRs.stVal	ST	[01 FF] - Reset Indication
LEDRs.q	ST	Other internal source.
LEDRs.t	ST	Other internal source.

Attribute	FC	Source
LEDRs.ctlModel	CF	Other internal source.
LEDRs.sboTimeout	CF	Other internal source.
OrdRun.stVal	ST	Other internal source.
OrdRun.q	ST	Other internal source.
OrdRun.t	ST	Other internal source.
OrdRun.dataNs	EX	Other internal source.
SyncSt.stVal	ST	Other internal source.
SyncSt.q	ST	Other internal source.
SyncSt.t	ST	Other internal source.
SyncSt.dataNs	EX	Other internal source.

1.6.9 Logical Node: LPHD1

Description: Physical Device Information

Attribute	FC	Source
PhyNam.vendor	DC	Other internal source.
PhyNam.hwRev	DC	Other internal source.
PhyNam.swRev	DC	[00 11] - Software Ref. 1
PhyNam.serNum	DC	[00 08] - Serial Number
PhyNam.model	DC	[00 06] - Model Number
PhyNam.location	DC	[00 05] - Plant Reference
PhyHealth.stVal	ST	Other internal source.
PhyHealth.q	ST	Other internal source.
PhyHealth.t	ST	Other internal source.
Proxy.stVal	ST	Other internal source.
Proxy.q	ST	Other internal source.
Proxy.t	ST	Other internal source.
Proxy.d	DC	Other internal source.
PwrUp.stVal	ST	Other internal source.
PwrUp.q	ST	Other internal source.
PwrUp.t	ST	Other internal source.
PwrUp.d	DC	Other internal source.

1.6.10 Logical Node: OptGGIO1

Description: P743 : Opto Inputs

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	[00 20] - Opto I/P Status
Ind1.stVal	ST	DDB_OPTO_ISOLATOR_1 (64)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	[4A 01] - Opto Input 1
Ind2.stVal	ST	DDB_OPTO_ISOLATOR_2 (65)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	[4A 02] - Opto Input 2
Ind3.stVal	ST	DDB_OPTO_ISOLATOR_3 (66)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	[4A 03] - Opto Input 3
Ind4.stVal	ST	DDB_OPTO_ISOLATOR_4 (67)

Attribute	FC	Source
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	[4A 04] - Opto Input 4
Ind5.stVal	ST	DDB_OPTO_ISOLATOR_5 (68)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	[4A 05] - Opto Input 5
Ind6.stVal	ST	DDB_OPTO_ISOLATOR_6 (69)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	[4A 06] - Opto Input 6
Ind7.stVal	ST	DDB_OPTO_ISOLATOR_7 (70)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	[4A 07] - Opto Input 7
Ind8.stVal	ST	DDB_OPTO_ISOLATOR_8 (71)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	[4A 08] - Opto Input 8
Ind9.stVal	ST	DDB_OPTO_ISOLATOR_9 (72)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	[4A 09] - Opto Input 9
Ind10.stVal	ST	DDB_OPTO_ISOLATOR_10 (73)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	[4A 0A] - Opto Input 10
Ind11.stVal	ST	DDB_OPTO_ISOLATOR_11 (74)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	[4A 0B] - Opto Input 11
Ind12.stVal	ST	DDB_OPTO_ISOLATOR_12 (75)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	[4A 0C] - Opto Input 12
Ind13.stVal	ST	DDB_OPTO_ISOLATOR_13 (76)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	[4A 0D] - Opto Input 13
Ind14.stVal	ST	DDB_OPTO_ISOLATOR_14 (77)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	[4A 0E] - Opto Input 14
Ind15.stVal	ST	DDB_OPTO_ISOLATOR_15 (78)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	[4A 0F] - Opto Input 15
Ind16.stVal	ST	DDB_OPTO_ISOLATOR_16 (79)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	[4A 10] - Opto Input 16
Ind17.stVal	ST	DDB_OPTO_ISOLATOR_17 (80)
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	[4A 11] - Opto Input 17
Ind18.stVal	ST	DDB_OPTO_ISOLATOR_18 (81)
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	[4A 12] - Opto Input 18
Ind19.stVal	ST	DDB_OPTO_ISOLATOR_19 (82)
Ind19.q	ST	Other internal source.
Ind19.t	ST	Other internal source.
Ind19.d	DC	[4A 13] - Opto Input 19
Ind20.stVal	ST	DDB_OPTO_ISOLATOR_20 (83)
Ind20.q	ST	Other internal source.
Ind20.t	ST	Other internal source.
Ind20.d	DC	[4A 14] - Opto Input 20

Attribute	FC	Source
Ind21.stVal	ST	DDB_OPTO_ISOLATOR_21 (84)
Ind21.q	ST	Other internal source.
Ind21.t	ST	Other internal source.
Ind21.d	DC	[4A 15] - Opto Input 21
Ind22.stVal	ST	DDB_OPTO_ISOLATOR_22 (85)
Ind22.q	ST	Other internal source.
Ind22.t	ST	Other internal source.
Ind22.d	DC	[4A 16] - Opto Input 22
Ind23.stVal	ST	DDB_OPTO_ISOLATOR_23 (86)
Ind23.q	ST	Other internal source.
Ind23.t	ST	Other internal source.
Ind23.d	DC	[4A 17] - Opto Input 23
Ind24.stVal	ST	DDB_OPTO_ISOLATOR_24 (87)
Ind24.q	ST	Other internal source.
Ind24.t	ST	Other internal source.
Ind24.d	DC	[4A 18] - Opto Input 24

1.6.11 Logical Node: OptVirGGIO1

Description: P740 : virtual opto

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	VIRTUAL_OPTO_1 (192)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind2.stVal	ST	VIRTUAL_OPTO_2 (193)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind3.stVal	ST	VIRTUAL_OPTO_3 (194)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind4.stVal	ST	VIRTUAL_OPTO_4 (195)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind5.stVal	ST	VIRTUAL_OPTO_5 (196)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind6.stVal	ST	VIRTUAL_OPTO_6 (197)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind7.stVal	ST	VIRTUAL_OPTO_7 (198)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind8.stVal	ST	VIRTUAL_OPTO_8 (199)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind9.stVal	ST	VIRTUAL_OPTO_9 (200)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind10.stVal	ST	VIRTUAL_OPTO_10 (201)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind11.stVal	ST	VIRTUAL_OPTO_11 (202)
Ind11.q	ST	Other internal source.

Attribute	FC	Source
Ind11.t	ST	Other internal source.
Ind12.stVal	ST	VIRTUAL_OPTO_12 (203)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind13.stVal	ST	VIRTUAL_OPTO_13 (204)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind14.stVal	ST	VIRTUAL_OPTO_14 (205)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind15.stVal	ST	VIRTUAL_OPTO_15 (206)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind16.stVal	ST	VIRTUAL_OPTO_16 (207)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.

1.6.12 Logical Node: OrdRunGGIO1

Description: Uniqueness of control "Order Running" indications for Control operations

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	Other internal source.
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	Other internal source.
Ind2.stVal	ST	Other internal source.
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	Other internal source.
Ind3.stVal	ST	Other internal source.
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	Other internal source.
Ind4.stVal	ST	Other internal source.
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	Other internal source.
Ind5.stVal	ST	Other internal source.
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	Other internal source.
Ind6.stVal	ST	Other internal source.
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	Other internal source.
Ind7.stVal	ST	Other internal source.
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	Other internal source.
Ind8.stVal	ST	Other internal source.
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	Other internal source.

Attribute	FC	Source
Ind9.stVal	ST	Other internal source.
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	Other internal source.
Ind10.stVal	ST	Other internal source.
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	Other internal source.
Ind11.stVal	ST	Other internal source.
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	Other internal source.
Ind12.stVal	ST	Other internal source.
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	Other internal source.
Ind13.stVal	ST	Other internal source.
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	Other internal source.
Ind14.stVal	ST	Other internal source.
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	Other internal source.
Ind15.stVal	ST	Other internal source.
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	Other internal source.
Ind16.stVal	ST	Other internal source.
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	Other internal source.
Ind17.stVal	ST	Other internal source.
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	Other internal source.
Ind18.stVal	ST	Other internal source.
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	Other internal source.
Ind19.stVal	ST	Other internal source.
Ind19.q	ST	Other internal source.
Ind19.t	ST	Other internal source.
Ind19.d	DC	Other internal source.
Ind20.stVal	ST	Other internal source.
Ind20.q	ST	Other internal source.
Ind20.t	ST	Other internal source.
Ind20.d	DC	Other internal source.
Ind21.stVal	ST	Other internal source.
Ind21.q	ST	Other internal source.
Ind21.t	ST	Other internal source.
Ind21.d	DC	Other internal source.
Ind22.stVal	ST	Other internal source.
Ind22.q	ST	Other internal source.
Ind22.t	ST	Other internal source.
Ind22.d	DC	Other internal source.
Ind23.stVal	ST	Other internal source.
Ind23.q	ST	Other internal source.
Ind23.t	ST	Other internal source.
Ind23.d	DC	Other internal source.
Ind24.stVal	ST	Other internal source.
Ind24.q	ST	Other internal source.
Ind24.t	ST	Other internal source.
Ind24.d	DC	Other internal source.
Ind25.stVal	ST	Other internal source.
Ind25.q	ST	Other internal source.
Ind25.t	ST	Other internal source.

Attribute	FC	Source
Ind25.d	DC	Other internal source.
Ind26.stVal	ST	Other internal source.
Ind26.q	ST	Other internal source.
Ind26.t	ST	Other internal source.
Ind26.d	DC	Other internal source.
Ind27.stVal	ST	Other internal source.
Ind27.q	ST	Other internal source.
Ind27.t	ST	Other internal source.
Ind27.d	DC	Other internal source.
Ind28.stVal	ST	Other internal source.
Ind28.q	ST	Other internal source.
Ind28.t	ST	Other internal source.
Ind28.d	DC	Other internal source.
Ind29.stVal	ST	Other internal source.
Ind29.q	ST	Other internal source.
Ind29.t	ST	Other internal source.
Ind29.d	DC	Other internal source.
Ind30.stVal	ST	Other internal source.
Ind30.q	ST	Other internal source.
Ind30.t	ST	Other internal source.
Ind30.d	DC	Other internal source.
Ind31.stVal	ST	Other internal source.
Ind31.q	ST	Other internal source.
Ind31.t	ST	Other internal source.
Ind31.d	DC	Other internal source.
Ind32.stVal	ST	Other internal source.
Ind32.q	ST	Other internal source.
Ind32.t	ST	Other internal source.
Ind32.d	DC	Other internal source.
Ind33.stVal	ST	Other internal source.
Ind33.q	ST	Other internal source.
Ind33.t	ST	Other internal source.
Ind33.d	DC	Other internal source.
Ind34.stVal	ST	Other internal source.
Ind34.q	ST	Other internal source.
Ind34.t	ST	Other internal source.
Ind34.d	DC	Other internal source.
Ind35.stVal	ST	Other internal source.
Ind35.q	ST	Other internal source.
Ind35.t	ST	Other internal source.
Ind35.d	DC	Other internal source.
Ind36.stVal	ST	Other internal source.
Ind36.q	ST	Other internal source.
Ind36.t	ST	Other internal source.
Ind36.d	DC	Other internal source.
Ind37.stVal	ST	Other internal source.
Ind37.q	ST	Other internal source.
Ind37.t	ST	Other internal source.
Ind37.d	DC	Other internal source.
Ind38.stVal	ST	Other internal source.
Ind38.q	ST	Other internal source.
Ind38.t	ST	Other internal source.
Ind38.d	DC	Other internal source.
Ind39.stVal	ST	Other internal source.
Ind39.q	ST	Other internal source.
Ind39.t	ST	Other internal source.
Ind39.d	DC	Other internal source.
Ind40.stVal	ST	Other internal source.
Ind40.q	ST	Other internal source.
Ind40.t	ST	Other internal source.
Ind40.d	DC	Other internal source.
Ind41.stVal	ST	Other internal source.
Ind41.q	ST	Other internal source.
Ind41.t	ST	Other internal source.
Ind41.d	DC	Other internal source.
Ind42.stVal	ST	Other internal source.
Ind42.q	ST	Other internal source.

Attribute	FC	Source
Ind42.t	ST	Other internal source.
Ind42.d	DC	Other internal source.
Ind43.stVal	ST	Other internal source.
Ind43.q	ST	Other internal source.
Ind43.t	ST	Other internal source.
Ind43.d	DC	Other internal source.
Ind44.stVal	ST	Other internal source.
Ind44.q	ST	Other internal source.
Ind44.t	ST	Other internal source.
Ind44.d	DC	Other internal source.
Ind45.stVal	ST	Other internal source.
Ind45.q	ST	Other internal source.
Ind45.t	ST	Other internal source.
Ind45.d	DC	Other internal source.
Ind46.stVal	ST	Other internal source.
Ind46.q	ST	Other internal source.
Ind46.t	ST	Other internal source.
Ind46.d	DC	Other internal source.
Ind47.stVal	ST	Other internal source.
Ind47.q	ST	Other internal source.
Ind47.t	ST	Other internal source.
Ind47.d	DC	Other internal source.
Ind48.stVal	ST	Other internal source.
Ind48.q	ST	Other internal source.
Ind48.t	ST	Other internal source.
Ind48.d	DC	Other internal source.
Ind49.stVal	ST	Other internal source.
Ind49.q	ST	Other internal source.
Ind49.t	ST	Other internal source.
Ind49.d	DC	Other internal source.
Ind50.stVal	ST	Other internal source.
Ind50.q	ST	Other internal source.
Ind50.t	ST	Other internal source.
Ind50.d	DC	Other internal source.
Ind51.stVal	ST	Other internal source.
Ind51.q	ST	Other internal source.
Ind51.t	ST	Other internal source.
Ind51.d	DC	Other internal source.
Ind52.stVal	ST	Other internal source.
Ind52.q	ST	Other internal source.
Ind52.t	ST	Other internal source.
Ind52.d	DC	Other internal source.
Ind53.stVal	ST	Other internal source.
Ind53.q	ST	Other internal source.
Ind53.t	ST	Other internal source.
Ind53.d	DC	Other internal source.
Ind54.stVal	ST	Other internal source.
Ind54.q	ST	Other internal source.
Ind54.t	ST	Other internal source.
Ind54.d	DC	Other internal source.
Ind55.stVal	ST	Other internal source.
Ind55.q	ST	Other internal source.
Ind55.t	ST	Other internal source.
Ind55.d	DC	Other internal source.
Ind56.stVal	ST	Other internal source.
Ind56.q	ST	Other internal source.
Ind56.t	ST	Other internal source.
Ind56.d	DC	Other internal source.
Ind57.stVal	ST	Other internal source.
Ind57.q	ST	Other internal source.
Ind57.t	ST	Other internal source.
Ind57.d	DC	Other internal source.
Ind58.stVal	ST	Other internal source.
Ind58.q	ST	Other internal source.
Ind58.t	ST	Other internal source.
Ind58.d	DC	Other internal source.
Ind59.stVal	ST	Other internal source.

Attribute	FC	Source
Ind59.q	ST	Other internal source.
Ind59.t	ST	Other internal source.
Ind59.d	DC	Other internal source.
Ind60.stVal	ST	Other internal source.
Ind60.q	ST	Other internal source.
Ind60.t	ST	Other internal source.
Ind60.d	DC	Other internal source.
Ind61.stVal	ST	Other internal source.
Ind61.q	ST	Other internal source.
Ind61.t	ST	Other internal source.
Ind61.d	DC	Other internal source.
Ind62.stVal	ST	Other internal source.
Ind62.q	ST	Other internal source.
Ind62.t	ST	Other internal source.
Ind62.d	DC	Other internal source.
Ind63.stVal	ST	Other internal source.
Ind63.q	ST	Other internal source.
Ind63.t	ST	Other internal source.
Ind63.d	DC	Other internal source.
Ind64.stVal	ST	Other internal source.
Ind64.q	ST	Other internal source.
Ind64.t	ST	Other internal source.
Ind64.d	DC	Other internal source.

1.6.13 Logical Node: PloGGIO1

Description: PSL Control Inputs

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	[12 01] - Ctrl I/P Status
SPCSO1.ctIVal	CO	[12 02] - Control Input 1
SPCSO1.origin.orCat	ST	Other internal source.
SPCSO1.origin.orIdent	ST	Other internal source.
SPCSO1.stVal	ST	DDB_CTRL_IP_1 (608)
SPCSO1.q	ST	Other internal source.
SPCSO1.t	ST	Other internal source.
SPCSO1.ctIModel	CF	Other internal source.
SPCSO1.sboTimeout	CF	Other internal source.
SPCSO2.ctIVal	CO	[12 03] - Control Input 2
SPCSO2.origin.orCat	ST	Other internal source.
SPCSO2.origin.orIdent	ST	Other internal source.
SPCSO2.stVal	ST	DDB_CTRL_IP_2 (609)
SPCSO2.q	ST	Other internal source.
SPCSO2.t	ST	Other internal source.
SPCSO2.ctIModel	CF	Other internal source.
SPCSO2.sboTimeout	CF	Other internal source.
SPCSO3.ctIVal	CO	[12 04] - Control Input 3
SPCSO3.origin.orCat	ST	Other internal source.
SPCSO3.origin.orIdent	ST	Other internal source.
SPCSO3.stVal	ST	DDB_CTRL_IP_3 (610)
SPCSO3.q	ST	Other internal source.
SPCSO3.t	ST	Other internal source.
SPCSO3.ctIModel	CF	Other internal source.
SPCSO3.sboTimeout	CF	Other internal source.
SPCSO4.ctIVal	CO	[12 05] - Control Input 4

Attribute	FC	Source
SPCSO4.origin.orCat	ST	Other internal source.
SPCSO4.origin.orIdent	ST	Other internal source.
SPCSO4.stVal	ST	DDB_CTRL_IP_4 (611)
SPCSO4.q	ST	Other internal source.
SPCSO4.t	ST	Other internal source.
SPCSO4.ctlModel	CF	Other internal source.
SPCSO4.sboTimeout	CF	Other internal source.
SPCSO5.ctlVal	CO	[12 06] - Control Input 5
SPCSO5.origin.orCat	ST	Other internal source.
SPCSO5.origin.orIdent	ST	Other internal source.
SPCSO5.stVal	ST	DDB_CTRL_IP_5 (612)
SPCSO5.q	ST	Other internal source.
SPCSO5.t	ST	Other internal source.
SPCSO5.ctlModel	CF	Other internal source.
SPCSO5.sboTimeout	CF	Other internal source.
SPCSO6.ctlVal	CO	[12 07] - Control Input 6
SPCSO6.origin.orCat	ST	Other internal source.
SPCSO6.origin.orIdent	ST	Other internal source.
SPCSO6.stVal	ST	DDB_CTRL_IP_6 (613)
SPCSO6.q	ST	Other internal source.
SPCSO6.t	ST	Other internal source.
SPCSO6.ctlModel	CF	Other internal source.
SPCSO6.sboTimeout	CF	Other internal source.
SPCSO7.ctlVal	CO	[12 08] - Control Input 7
SPCSO7.origin.orCat	ST	Other internal source.
SPCSO7.origin.orIdent	ST	Other internal source.
SPCSO7.stVal	ST	DDB_CTRL_IP_7 (614)
SPCSO7.q	ST	Other internal source.
SPCSO7.t	ST	Other internal source.
SPCSO7.ctlModel	CF	Other internal source.
SPCSO7.sboTimeout	CF	Other internal source.
SPCSO8.ctlVal	CO	[12 09] - Control Input 8
SPCSO8.origin.orCat	ST	Other internal source.
SPCSO8.origin.orIdent	ST	Other internal source.
SPCSO8.stVal	ST	DDB_CTRL_IP_8 (615)
SPCSO8.q	ST	Other internal source.
SPCSO8.t	ST	Other internal source.
SPCSO8.ctlModel	CF	Other internal source.
SPCSO8.sboTimeout	CF	Other internal source.
SPCSO9.ctlVal	CO	[12 0A] - Control Input 9
SPCSO9.origin.orCat	ST	Other internal source.
SPCSO9.origin.orIdent	ST	Other internal source.
SPCSO9.stVal	ST	DDB_CTRL_IP_9 (616)
SPCSO9.q	ST	Other internal source.
SPCSO9.t	ST	Other internal source.
SPCSO9.ctlModel	CF	Other internal source.
SPCSO9.sboTimeout	CF	Other internal source.
SPCSO10.ctlVal	CO	[12 0B] - Control Input 10
SPCSO10.origin.orCat	ST	Other internal source.
SPCSO10.origin.orIdent	ST	Other internal source.
SPCSO10.stVal	ST	DDB_CTRL_IP_10 (617)
SPCSO10.q	ST	Other internal source.
SPCSO10.t	ST	Other internal source.
SPCSO10.ctlModel	CF	Other internal source.
SPCSO10.sboTimeout	CF	Other internal source.
SPCSO11.ctlVal	CO	[12 0C] - Control Input 11
SPCSO11.origin.orCat	ST	Other internal source.
SPCSO11.origin.orIdent	ST	Other internal source.
SPCSO11.stVal	ST	DDB_CTRL_IP_11 (618)
SPCSO11.q	ST	Other internal source.
SPCSO11.t	ST	Other internal source.
SPCSO11.ctlModel	CF	Other internal source.
SPCSO11.sboTimeout	CF	Other internal source.
SPCSO12.ctlVal	CO	[12 0D] - Control Input 12
SPCSO12.origin.orCat	ST	Other internal source.
SPCSO12.origin.orIdent	ST	Other internal source.
SPCSO12.stVal	ST	DDB_CTRL_IP_12 (619)

Attribute	FC	Source
SPCSO12.q	ST	Other internal source.
SPCSO12.t	ST	Other internal source.
SPCSO12.ctlModel	CF	Other internal source.
SPCSO12.sboTimeout	CF	Other internal source.
SPCSO13.ctlVal	CO	[12 0E] - Control Input 13
SPCSO13.origin.orCat	ST	Other internal source.
SPCSO13.origin.orIdent	ST	Other internal source.
SPCSO13.stVal	ST	DDB_CTRL_IP_13 (620)
SPCSO13.q	ST	Other internal source.
SPCSO13.t	ST	Other internal source.
SPCSO13.ctlModel	CF	Other internal source.
SPCSO13.sboTimeout	CF	Other internal source.
SPCSO14.ctlVal	CO	[12 0F] - Control Input 14
SPCSO14.origin.orCat	ST	Other internal source.
SPCSO14.origin.orIdent	ST	Other internal source.
SPCSO14.stVal	ST	DDB_CTRL_IP_14 (621)
SPCSO14.q	ST	Other internal source.
SPCSO14.t	ST	Other internal source.
SPCSO14.ctlModel	CF	Other internal source.
SPCSO14.sboTimeout	CF	Other internal source.
SPCSO15.ctlVal	CO	[12 10] - Control Input 15
SPCSO15.origin.orCat	ST	Other internal source.
SPCSO15.origin.orIdent	ST	Other internal source.
SPCSO15.stVal	ST	DDB_CTRL_IP_15 (622)
SPCSO15.q	ST	Other internal source.
SPCSO15.t	ST	Other internal source.
SPCSO15.ctlModel	CF	Other internal source.
SPCSO15.sboTimeout	CF	Other internal source.
SPCSO16.ctlVal	CO	[12 11] - Control Input 16
SPCSO16.origin.orCat	ST	Other internal source.
SPCSO16.origin.orIdent	ST	Other internal source.
SPCSO16.stVal	ST	DDB_CTRL_IP_16 (623)
SPCSO16.q	ST	Other internal source.
SPCSO16.t	ST	Other internal source.
SPCSO16.ctlModel	CF	Other internal source.
SPCSO16.sboTimeout	CF	Other internal source.
SPCSO17.ctlVal	CO	[12 12] - Control Input 17
SPCSO17.origin.orCat	ST	Other internal source.
SPCSO17.origin.orIdent	ST	Other internal source.
SPCSO17.stVal	ST	DDB_CTRL_IP_17 (624)
SPCSO17.q	ST	Other internal source.
SPCSO17.t	ST	Other internal source.
SPCSO17.ctlModel	CF	Other internal source.
SPCSO17.sboTimeout	CF	Other internal source.
SPCSO18.ctlVal	CO	[12 13] - Control Input 18
SPCSO18.origin.orCat	ST	Other internal source.
SPCSO18.origin.orIdent	ST	Other internal source.
SPCSO18.stVal	ST	DDB_CTRL_IP_18 (625)
SPCSO18.q	ST	Other internal source.
SPCSO18.t	ST	Other internal source.
SPCSO18.ctlModel	CF	Other internal source.
SPCSO18.sboTimeout	CF	Other internal source.
SPCSO19.ctlVal	CO	[12 14] - Control Input 19
SPCSO19.origin.orCat	ST	Other internal source.
SPCSO19.origin.orIdent	ST	Other internal source.
SPCSO19.stVal	ST	DDB_CTRL_IP_19 (626)
SPCSO19.q	ST	Other internal source.
SPCSO19.t	ST	Other internal source.
SPCSO19.ctlModel	CF	Other internal source.
SPCSO19.sboTimeout	CF	Other internal source.
SPCSO20.ctlVal	CO	[12 15] - Control Input 20
SPCSO20.origin.orCat	ST	Other internal source.
SPCSO20.origin.orIdent	ST	Other internal source.
SPCSO20.stVal	ST	DDB_CTRL_IP_20 (627)
SPCSO20.q	ST	Other internal source.
SPCSO20.t	ST	Other internal source.
SPCSO20.ctlModel	CF	Other internal source.

Attribute	FC	Source
SPCSO20.sboTimeout	CF	Other internal source.
SPCSO21.ctlVal	CO	[12 16] - Control Input 21
SPCSO21.origin.orCat	ST	Other internal source.
SPCSO21.origin.orIdent	ST	Other internal source.
SPCSO21.stVal	ST	DDB_CTRL_IP_21 (628)
SPCSO21.q	ST	Other internal source.
SPCSO21.t	ST	Other internal source.
SPCSO21.ctlModel	CF	Other internal source.
SPCSO21.sboTimeout	CF	Other internal source.
SPCSO22.ctlVal	CO	[12 17] - Control Input 22
SPCSO22.origin.orCat	ST	Other internal source.
SPCSO22.origin.orIdent	ST	Other internal source.
SPCSO22.stVal	ST	DDB_CTRL_IP_22 (629)
SPCSO22.q	ST	Other internal source.
SPCSO22.t	ST	Other internal source.
SPCSO22.ctlModel	CF	Other internal source.
SPCSO22.sboTimeout	CF	Other internal source.
SPCSO23.ctlVal	CO	[12 18] - Control Input 23
SPCSO23.origin.orCat	ST	Other internal source.
SPCSO23.origin.orIdent	ST	Other internal source.
SPCSO23.stVal	ST	DDB_CTRL_IP_23 (630)
SPCSO23.q	ST	Other internal source.
SPCSO23.t	ST	Other internal source.
SPCSO23.ctlModel	CF	Other internal source.
SPCSO23.sboTimeout	CF	Other internal source.
SPCSO24.ctlVal	CO	[12 19] - Control Input 24
SPCSO24.origin.orCat	ST	Other internal source.
SPCSO24.origin.orIdent	ST	Other internal source.
SPCSO24.stVal	ST	DDB_CTRL_IP_24 (631)
SPCSO24.q	ST	Other internal source.
SPCSO24.t	ST	Other internal source.
SPCSO24.ctlModel	CF	Other internal source.
SPCSO24.sboTimeout	CF	Other internal source.
SPCSO25.ctlVal	CO	[12 1A] - Control Input 25
SPCSO25.origin.orCat	ST	Other internal source.
SPCSO25.origin.orIdent	ST	Other internal source.
SPCSO25.stVal	ST	DDB_CTRL_IP_25 (632)
SPCSO25.q	ST	Other internal source.
SPCSO25.t	ST	Other internal source.
SPCSO25.ctlModel	CF	Other internal source.
SPCSO25.sboTimeout	CF	Other internal source.
SPCSO26.ctlVal	CO	[12 1B] - Control Input 26
SPCSO26.origin.orCat	ST	Other internal source.
SPCSO26.origin.orIdent	ST	Other internal source.
SPCSO26.stVal	ST	DDB_CTRL_IP_26 (633)
SPCSO26.q	ST	Other internal source.
SPCSO26.t	ST	Other internal source.
SPCSO26.ctlModel	CF	Other internal source.
SPCSO26.sboTimeout	CF	Other internal source.
SPCSO27.ctlVal	CO	[12 1C] - Control Input 27
SPCSO27.origin.orCat	ST	Other internal source.
SPCSO27.origin.orIdent	ST	Other internal source.
SPCSO27.stVal	ST	DDB_CTRL_IP_27 (634)
SPCSO27.q	ST	Other internal source.
SPCSO27.t	ST	Other internal source.
SPCSO27.ctlModel	CF	Other internal source.
SPCSO27.sboTimeout	CF	Other internal source.
SPCSO28.ctlVal	CO	[12 1D] - Control Input 28
SPCSO28.origin.orCat	ST	Other internal source.
SPCSO28.origin.orIdent	ST	Other internal source.
SPCSO28.stVal	ST	DDB_CTRL_IP_28 (635)
SPCSO28.q	ST	Other internal source.
SPCSO28.t	ST	Other internal source.
SPCSO28.ctlModel	CF	Other internal source.
SPCSO28.sboTimeout	CF	Other internal source.
SPCSO29.ctlVal	CO	[12 1E] - Control Input 29
SPCSO29.origin.orCat	ST	Other internal source.

Attribute	FC	Source
SPCSO29.origin.orIdent	ST	Other internal source.
SPCSO29.stVal	ST	DDB_CTRL_IP_29 (636)
SPCSO29.q	ST	Other internal source.
SPCSO29.t	ST	Other internal source.
SPCSO29.ctIModel	CF	Other internal source.
SPCSO29.sboTimeout	CF	Other internal source.
SPCSO30.ctIVal	CO	[12 1F] - Control Input 30
SPCSO30.origin.orCat	ST	Other internal source.
SPCSO30.origin.orIdent	ST	Other internal source.
SPCSO30.stVal	ST	DDB_CTRL_IP_30 (637)
SPCSO30.q	ST	Other internal source.
SPCSO30.t	ST	Other internal source.
SPCSO30.ctIModel	CF	Other internal source.
SPCSO30.sboTimeout	CF	Other internal source.
SPCSO31.ctIVal	CO	[12 20] - Control Input 31
SPCSO31.origin.orCat	ST	Other internal source.
SPCSO31.origin.orIdent	ST	Other internal source.
SPCSO31.stVal	ST	DDB_CTRL_IP_31 (638)
SPCSO31.q	ST	Other internal source.
SPCSO31.t	ST	Other internal source.
SPCSO31.ctIModel	CF	Other internal source.
SPCSO31.sboTimeout	CF	Other internal source.
SPCSO32.ctIVal	CO	[12 21] - Control Input 32
SPCSO32.origin.orCat	ST	Other internal source.
SPCSO32.origin.orIdent	ST	Other internal source.
SPCSO32.stVal	ST	DDB_CTRL_IP_32 (639)
SPCSO32.q	ST	Other internal source.
SPCSO32.t	ST	Other internal source.
SPCSO32.ctIModel	CF	Other internal source.
SPCSO32.sboTimeout	CF	Other internal source.

1.6.14 Logical Node: RlyGGIO1

Description: P743 : 20 Output Contacts

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctlModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	[00 21] - Relay O/P Status
Ind1.stVal	ST	Other internal source.
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	[4B 01] - Relay 1
Ind2.stVal	ST	Other internal source.
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	[4B 02] - Relay 2
Ind3.stVal	ST	Other internal source.
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	[4B 03] - Relay 3
Ind4.stVal	ST	DDB_OUTPUT_RELAY_4 (3)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind4.d	DC	[4B 04] - Relay 4
Ind5.stVal	ST	DDB_OUTPUT_RELAY_5 (4)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind5.d	DC	[4B 05] - Relay 5
Ind6.stVal	ST	DDB_OUTPUT_RELAY_6 (5)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.
Ind6.d	DC	[4B 06] - Relay 6
Ind7.stVal	ST	DDB_OUTPUT_RELAY_7 (6)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind7.d	DC	[4B 07] - Relay 7
Ind8.stVal	ST	DDB_OUTPUT_RELAY_8 (7)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind8.d	DC	[4B 08] - Relay 8
Ind9.stVal	ST	DDB_OUTPUT_RELAY_9 (8)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind9.d	DC	[4B 09] - Relay 9
Ind10.stVal	ST	DDB_OUTPUT_RELAY_10 (9)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind10.d	DC	[4B 0A] - Relay 10
Ind11.stVal	ST	DDB_OUTPUT_RELAY_11 (10)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind11.d	DC	[4B 0B] - Relay 11
Ind12.stVal	ST	DDB_OUTPUT_RELAY_12 (11)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind12.d	DC	[4B 0C] - Relay 12
Ind13.stVal	ST	DDB_OUTPUT_RELAY_13 (12)

Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind13.d	DC	[4B 0D] - Relay 13
Ind14.stVal	ST	DDB_OUTPUT_RELAY_14 (13)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind14.d	DC	[4B 0E] - Relay 14
Ind15.stVal	ST	DDB_OUTPUT_RELAY_15 (14)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind15.d	DC	[4B 0F] - Relay 15
Ind16.stVal	ST	DDB_OUTPUT_RELAY_16 (15)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.
Ind16.d	DC	[4B 10] - Relay 16
Ind17.stVal	ST	DDB_OUTPUT_RELAY_17 (16)
Ind17.q	ST	Other internal source.
Ind17.t	ST	Other internal source.
Ind17.d	DC	[4B 11] - Relay 17
Ind18.stVal	ST	DDB_OUTPUT_RELAY_18 (17)
Ind18.q	ST	Other internal source.
Ind18.t	ST	Other internal source.
Ind18.d	DC	[4B 12] - Relay 18
Ind19.stVal	ST	DDB_OUTPUT_RELAY_19 (18)
Ind19.q	ST	Other internal source.
Ind19.t	ST	Other internal source.
Ind19.d	DC	[4B 13] - Relay 19
Ind20.stVal	ST	DDB_OUTPUT_RELAY_20 (19)
Ind20.q	ST	Other internal source.
Ind20.t	ST	Other internal source.
Ind20.d	DC	[4B 14] - Relay 20

1.6.15 Logical Node: RlyVirGGIO1

Description: P740 : virtual relay

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPit.vendor	DC	Other internal source.
NamPit.swRev	DC	[00 11] - Software Ref. 1
NamPit.d	DC	Other internal source.
Ind1.stVal	ST	VIRTUAL_TC_1 (144)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind2.stVal	ST	VIRTUAL_TC_2 (145)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind3.stVal	ST	VIRTUAL_TC_3 (146)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind4.stVal	ST	VIRTUAL_TC_4 (147)
Ind4.q	ST	Other internal source.
Ind4.t	ST	Other internal source.
Ind5.stVal	ST	VIRTUAL_TC_5 (148)
Ind5.q	ST	Other internal source.
Ind5.t	ST	Other internal source.
Ind6.stVal	ST	VIRTUAL_TC_6 (149)
Ind6.q	ST	Other internal source.
Ind6.t	ST	Other internal source.

Attribute	FC	Source
Ind7.stVal	ST	VIRTUAL_TC_7 (150)
Ind7.q	ST	Other internal source.
Ind7.t	ST	Other internal source.
Ind8.stVal	ST	VIRTUAL_TC_8 (151)
Ind8.q	ST	Other internal source.
Ind8.t	ST	Other internal source.
Ind9.stVal	ST	VIRTUAL_TC_9 (152)
Ind9.q	ST	Other internal source.
Ind9.t	ST	Other internal source.
Ind10.stVal	ST	VIRTUAL_TC_10 (153)
Ind10.q	ST	Other internal source.
Ind10.t	ST	Other internal source.
Ind11.stVal	ST	VIRTUAL_TC_11 (154)
Ind11.q	ST	Other internal source.
Ind11.t	ST	Other internal source.
Ind12.stVal	ST	VIRTUAL_TC_12 (155)
Ind12.q	ST	Other internal source.
Ind12.t	ST	Other internal source.
Ind13.stVal	ST	VIRTUAL_TC_13 (156)
Ind13.q	ST	Other internal source.
Ind13.t	ST	Other internal source.
Ind14.stVal	ST	VIRTUAL_TC_14 (157)
Ind14.q	ST	Other internal source.
Ind14.t	ST	Other internal source.
Ind15.stVal	ST	VIRTUAL_TC_15 (158)
Ind15.q	ST	Other internal source.
Ind15.t	ST	Other internal source.
Ind16.stVal	ST	VIRTUAL_TC_16 (159)
Ind16.q	ST	Other internal source.
Ind16.t	ST	Other internal source.

1.6.16 Logical Node: TrpCupGGIO1

Description: Trip Order from CU

Attribute	FC	Source
Mod.stVal	ST	Other internal source.
Mod.q	ST	Other internal source.
Mod.t	ST	Other internal source.
Mod.ctIModel	CF	Other internal source.
Beh.stVal	ST	Other internal source.
Beh.q	ST	Other internal source.
Beh.t	ST	Other internal source.
Health.stVal	ST	Other internal source.
Health.q	ST	Other internal source.
Health.t	ST	Other internal source.
NamPlt.vendor	DC	Other internal source.
NamPlt.swRev	DC	[00 11] - Software Ref. 1
NamPlt.d	DC	Other internal source.
Ind1.stVal	ST	BUSBAR_TRIPPING (257)
Ind1.q	ST	Other internal source.
Ind1.t	ST	Other internal source.
Ind1.d	DC	Other internal source.
Ind2.stVal	ST	BF_TRIPPING (259)
Ind2.q	ST	Other internal source.
Ind2.t	ST	Other internal source.
Ind2.d	DC	Other internal source.
Ind3.stVal	ST	ZONE_CB_TRIPPING (260)
Ind3.q	ST	Other internal source.
Ind3.t	ST	Other internal source.
Ind3.d	DC	Other internal source.



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