



 Gachsaran Polymer Industries Company PIDMCO	Gachsaran Polymer Industries Company HDPE Plant I/O list for Refrigerator Package		
			
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Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for Manufacturing.
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03	15-Feb-26	IFR	A.M	F.T	A.M
02	4-Jan-26	IFR	A.M	F.T	A.M
01	3-Nov-25	IFR	A.M	F.T	A.M
00	8-Jul-25	IFR	A.M	F.T	A.M
Rev.	DATE	PURPOSE OF ISSUE	PREPARED	CHECKED	APPROVED



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IN-01. Please clarify that why panel internal signals have been deleted?

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																			STATES		
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	CONTACT TYPE	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	STATE S'0'	STATE S'1'
Card Type: Digital IN/ 16																					
						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL		
XA-61199	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6104	PLC	UPS AC SUPPLY 1 SURGE-PROTECTION OK		UCP-6104	UCP-6104	DI	24VDC	-	PW400	H		NIS	2	2	0	OFF	ON
XA-61198	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6104	PLC	UPS AC SUPPLY 2 SURGE-PROTECTION OK		UCP-6104	UCP-6104	DI	24VDC	-	PW400	H		NIS	2	2	4	OFF	ON
XA-61190	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	LOGIC POWER SUPPLY # 1 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	2	OFF	ON
XA-61191	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	LOGIC POWER SUPPLY # 2 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	3	OFF	ON
XA-61192	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	I/O POWER SUPPLY # 1 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	4	OFF	ON
XA-61193	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	I/O POWER SUPPLY # 2 OK		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	5	OFF	ON
HS-61161	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	PLC	ESD		UCP-6101	UCP-6101	DI	24VDC	-	PW400	H		NIS	2	2	6		
						SPARE											2	2	7		
HS-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	EMERGENCY STOP PB.		COMP A SKID	LCP-6101A	DI	24VDC	NC	PW400	H		NIS	2	2	8	OFF	ON
HST-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL START PB		COMP A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	2	9	OFF	ON
HSP-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL STOP PB		COMP A SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	2	10	OFF	ON
						SPARE											2	2	11		
HST-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL START PB		COMP -B- SKID	LCP-6101B	DI	24VDC	NO	PW400	H		NIS	2	2	12	OFF	ON
HSP-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL STOP PB		COMP -B- SKID	LCP-6101B	DI	24VDC	NO	PW400	H		NIS	2	2	13	OFF	ON
ESD-61010	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	ESD	PLC	ESD		ESD	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	2	14	OFF	ON
						SPARE											2	2	15		
Card Type: Digital IN/ 16																					
						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY				RACK	SLOT	CHANNEL		
HSLR-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	COMPRESSOR -A- LOCAL -REMOTE SELECTOR		COMP -A- SKID	LCP-6101A	DI	24VDC	-	PW400	H		NIS	2	3	0	OFF	ON
HSLR-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	COMPRESSOR -B- LOCAL -REMOTE SELECTOR		COMP -B- SKID	LCP-6101B	DI	24VDC	-	PW400	H		NIS	2	3	1	OFF	ON
HS-C6101AL	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	LAMP TEST ON LCPA		COMP -A- SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	3	2	OFF	ON
HS-C6101BL	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	LAMP TEST ON LCPB		COMP -B- SKID	LCP-6101B	DI	24VDC	NO	PW400	H		NIS	2	3	3	OFF	ON
						SPARE				DI	24VDC		PW400				2	3	4		
						SPARE				DI	24VDC		PW400				2	3	5		



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						SPARE				DI	24VDC		PW400				2	3	6		
						SPARE				DI	24VDC		PW400				2	3	7		
ZSH-61111	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	FIELD	UCP-6101	COMPRESSOR -A- SLIDE VALVE 100%		COMP -A- SKID	JB-UIA-61111	DI	24VDC	NO	PW400	H		IS	2	3	8	OFF	ON
ZSL-61111	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	FIELD	UCP-6101	COMPRESSOR -A- SLIDE VALVE 0%		COMP -A- SKID	JB-UIA-61111	DI	24VDC	NO	PW400	H		IS	2	3	9	OFF	ON
ZSH-61121	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	FIELD	UCP-6101	COMPRESSOR -B- SLIDE VALVE 100%		COMP -B- SKID	JB-UIA-61121	DI	24VDC	NO	PW400	H		IS	2	3	10	OFF	ON
ZSL-61121	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	FIELD	UCP-6101	COMPRESSOR -B- SLIDE VALVE 0%		COMP -B- SKID	JB-UIA-61121	DI	24VDC	NO	PW400	H		IS	2	3	11	OFF	ON
						SPARE				DI	24VDC		PW400				2	3	12		
YSLH-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -B- RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	3	13	OFF	ON
YSLF-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -B- FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	3	14	OFF	ON
						SPARE				DI	24VDC		PW400				2	3	15		

Card Type: Digital IN/ 16

TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY			RACK	SLOT	CHANNEL			
YSLH-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -A- RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	0	OFF	ON
YSLF-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	COMPRESSOR -A- FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	1	OFF	ON
YSLH-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	OIL HEATER RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	2	OFF	ON
YSLF-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6102	OIL HEATER - FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	3	OFF	ON
YSLH-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP A RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	4	OFF	ON
YSLF-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP A - FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	5	OFF	ON
YSLH-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP B RUNNING		MCC	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	4	6	OFF	ON
YSLF-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	MCC	UCP-6101	PUMP B - FAULT		MCC	UCP-6101	DI	24VDC	NC	PW400	H		NIS	2	4	7	OFF	ON
						SPARE				DI	24VDC		PW400	H		NIS	2	4	8		
						SPARE				DI	24VDC	-	PW400				2	4	9		
						SPARE				DI	24VDC		PW400				2	4	10		
HS-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101B	UCP-6101	EMERGENCY STOP PB.		COMP -B- SKID	LCP-6101B	DI	24VDC	NC	PW400	H		NIS	2	4	11	OFF	ON
YLH-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP A RUNNING		COMP -A- SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	4	12	OFF	ON
YL-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP A - FAULT		COMP -A- SKID	LCP-6101A	DI	24VDC	NC	PW400	H		NIS	2	4	13	OFF	ON
YLH-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP B RUNNING		COMP -A- SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	4	14	OFF	ON
YL-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	PUMP B - FAULT		COMP -A- SKID	LCP-6101A	DI	24VDC	NC	PW400	H		NIS	2	4	15	OFF	ON



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Card Type: Digital IN/ 16

TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	STATE S'0'	STATE S'1'
HS-P6111A/B-A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	LEAD/LAG - PUMP A - SELECTOR		COMP -A- SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	5	0	OFF	ON
HS-P6111A/B-B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	LEAD/LAG - PUMP B - SELECTOR		COMP -A- SKID	LCP-6101A	DI	24VDC	NO	PW400	H		NIS	2	5	1	OFF	ON
HSLR-P6111A-1	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	HOA-HAND - PUMP A		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	2	OFF	ON
HSLR-P6111A-2	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6102	HOA-OFF - PUMP A		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	3	OFF	ON
HSLR-P6111A-3	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	HOA-AUTO - PUMP A		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	4	OFF	ON
HST-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	PUMP A LOCAL START PB		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	5	OFF	ON
HSP-P6111A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	PUMP A LOCAL STOP PB		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	6	OFF	ON
						SPARE				DI	24VDC	-	PW400				2	5	7		
HSLR-P6111B-1	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	HOA-HAND - PUMP B		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	8	OFF	ON
HSLR-P6111B-2	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6102	HOA-OFF - PUMP B		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	9	OFF	ON
HSLR-P6111B-3	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	HOA-AUTO - PUMP B		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	10	OFF	ON
HST-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	PUMP B LOCAL START PB		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	11	OFF	ON
HSP-P6111B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	LCP-6101A	UCP-6101	PUMP B LOCAL STOP PB		COMP -A- SKID	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	12	OFF	ON
TS-6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	DCS	UCP-6101	TIME SYNCHRONIZATION		DCS	UCP-6101	DI	24VDC	NO	PW400	H		NIS	2	5	13		
						SPARE				DI	24VDC		PW400				2	5	14		
						SPARE				DI	24VDC		PW400				2	5	15		

STATES

TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	STATE S'0'	STATE S'1'
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Card Type: Digital OUT/ 16

TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	STATE S'0'	STATE S'1'
YLH-6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	COMPRESSOR -A- RUNNING		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	0	OFF	ON
YL-6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101A	COMPRESSOR -A- AVAILABLE/FAULT		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	1	OFF	ON
YLH-6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101B	COMPRESSOR -B- RUNNING		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	2	OFF	ON
YL-6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	LCP-6101B	COMPRESSOR -B- AVAILABLE/FAULT		COMP SKID	LCP-6101A	DO	24VDC	NDE	PW400	H		NIS	2	6	3	OFF	ON
						SPARE				DO	24VDC		PW400				2	6	4		



IN-01. Please clarify that why panel internal signals have been deleted?

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TAG	Material	ID	Type	UCP	MCC	DESCRIPTION	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY	RACK	SLOT	CHANNEL	OFF	ON				
XA-61195	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6104	UCP-6104	ENCLOSURE FANS ON/OFF -1		UCP-6104	UCP-6104	DO	24VDC	WEI CONTACT	PW400	H		NIS	2	6	5	OFF	ON
HSL-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMP.A. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	6		
HSR-C6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMP.A. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	7		
HSL-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMP.B. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	8		
HSR-C6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	COMP.B. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	9		
HSL-P6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.A. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	10		
HSR-P6101A	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.A. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	11		
HSL-P6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.B. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	12		
HSR-P6101B	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	PUMP.B. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	13		
HSL-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	ELEC.HEATER. START COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	14		
HSR-EH6101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	MCC	ELEC.HEATER. STOP COMMAND TO MCC		MCC	UCP-6101	DO	24VDC	NDE	PW400	H		NIS	2	6	15		
Card Type: Digital OUT/ 16																					
XY-61111	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -A- SLIDE VALVE UNLOAD SOV	COMP SKID	JB-UEV-612	DO	24VDC	NE	PW400	H		NIS	2	7	0	OFF	ON	
XY-61112	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -A- SLIDE VALVE LOAD SOV	COMP SKID	JB-UEV-612	DO	24VDC	NE	PW400	H		NIS	2	7	1	OFF	ON	
XY-61121	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -B- SLIDE VALVE UNLOAD SOV	COMP SKID	JB-UEV-622	DO	24VDC	NE	PW400	H		NIS	2	7	2	OFF	ON	
XY-61122	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	COMPRESSOR -B- SLIDE VALVE LOAD SOV	COMP SKID	JB-UEV-622	DO	24VDC	NE	PW400	H		NIS	2	7	3	OFF	ON	
XY-61151	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	OIL RECOVERY VALVE SOV - COMPRESSOR DISCHARGE	VESSELS SKID	JB-UEV-652	DO	24VDC	NE	PW400	H		NIS	2	7	0	OFF	ON	
XY-61152	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	FIELD	OIL RECOVERY VALVE SOV - CHILLER RECOVERY	VESSELS SKID	JB-UEV-652	DO	24VDC	NE	PW400	H		NIS	2	7	1	OFF	ON	
						SPARE			DO	24VDC		PW400				2	7	2			
						SPARE			DO	24VDC		PW400				2	7	3			
						SPARE			DO	24VDC		PW400				2	7	4			
						SPARE			DO	24VDC		PW400				2	7	5			
XA-61101	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	DCS	COMPRESSOR -A- ALRM COMPRESSOR	UCP-6101	UCP-6101	DO	24VDC	NDE	PW400	H	S	NIS	2	7	6	OFF	ON	
XA-61102	Propylene	VD-GPIC-MA-3029-3029-0015	BOOL	UCP-6101	DCS	COMMON -A- TRIP COMPRESSOR	UCP-6101	UCP-6101	DO	24VDC	NDE	PW400	H	S	NIS	2	7	7	OFF	ON	
XA-61103	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6104	DCS	COMPRESSOR -B- TRIP COMPRESSOR	UCP-6104	UCP-6104	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	8	OFF	ON	
XA-61104	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6104	DCS	COMMON -B- ALRM COMPRESSOR	UCP-6104	UCP-6104	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	9	OFF	ON	
UA-61199	Propylene	VD-GPIC-MA-3029-3029-0045	BOOL	UCP-6104	DCS	INTERLOCK ACTIVATED FOR COMP. B	UCP-6104	UCP-6104	DO	24VDC	DRY CONTACT	PW400	H	S	NIS	2	7	10	OFF PULS	ON PULS	

  															Gachsaran Polymer Industries Company HDPE Plant I/O list for Refrigerator Package										 																																																																																														
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UA-61144															Propylene										VD-GPIC-MA-3029-3029-0045					BOOL					UCP-6104					DCS					INTERLOCK ACTIVATED FOR COMP. A					UCP-6104					UCP-6104					DO					24VDC					CONTACT					PW400					H					S					NIS					2					7					44					OFF PULS E					ON PULS E				
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	STATE S'0'	STATE S'1'																																																																																																		
Card Type: Digital IN/ 16																						Card Type/: Analog IN/ 8																																																																																																	
PT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6104	COMPRESSOR -A- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	0																																																																																																				
PT-61113	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	1																																																																																																				
TT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A-SUCTION TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	2																																																																																																				
VT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6104	COMPRESSOR -A- CASING VIBRATION	G	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	3																																																																																																				
ZT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SLIDE VALVE POSITION	%	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	8	4																																																																																																				
						SPARE				AI	4-20mA	-					2	8	5																																																																																																				
TE/TT-61127	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -B- BEARING TEMP DE (Note 1)	C	COMP -B- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	8	6																																																																																																				
TE/TT-61128	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -B- BEARING TEMP NDE (Note 1)	C	COMP -B- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	8	7																																																																																																				
Card Type/: Analog IN/ 8																																																																																																																							
PT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6104	COMPRESSOR -B- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	0																																																																																																				
PT-61123	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	1																																																																																																				
TT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B-SUCTION TEMPERATURE	C	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	2																																																																																																				
VT-61124	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6104	COMPRESSOR -B- CASING VIBRATION	G	COMP SKID	JB-UIA-61124	AI	4-20mA	-	PW400	H	S	IS	2	9	3																																																																																																				
ZT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SLIDE VALVE POSITION	%	COMP SKID	JB-UIA-621	AI	4-20mA	-	PW400	H	S	IS	2	9	4																																																																																																				
						SPARE				AI	4-20mA	-					2	9	5																																																																																																				
TE/TT-61117	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -A- BEARING TEMP DE (Note 1)	C	COMP -A- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	9	6																																																																																																				
TE/TT-61118	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -A- BEARING TEMP NDE (Note 1)	C	COMP -A- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	9	7																																																																																																				
Card Type/: Analog IN/ 8																																																																																																																							
PT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMMON DISCHARGE PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	0																																																																																																				
PT-61132	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COALESCER ELEMENT OUTLET PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	1																																																																																																				



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PT-61133	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL FILTER SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	2		
PT-61134	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	3		
TT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	4		
TT-61132	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY TEMPERATURE	C	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	5		
LT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR LEVEL	%	COMP SKID	JB-UIA-611	AI	4-20mA	-	PW400	H	S	IS	2	10	6		
						SPARE				AI	4-20mA	-					2	10	7		

Card Type/: Analog IN/ 8

TAG		DESCRIPTION			LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY			RACK	SLOT	CHANNEL						
TIC-61101	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	DCS	UCP-6101	CHILLER TUBE OUTLET TEMPERATURE	C	VESSLS SKID	JB-UIA-61141	AI	4-20mA	-	PW400	H	S	IS	2	11	0		
LT-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	CHILLER LEVEL	%	VESSLS SKID	JB-UIA-641	AI	4-20mA	-	PW400	H	S	IS	2	11	1		
						SPARE				AI	4-20mA	-	PW400				2	11	2		
PT-61141	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	ECONOMIZER TUBESIDE PRESSURE	Bar	COMP SKID	JB-UIA-641	AI	4-20mA	-	PW400	H	S	IS	2	11	3		
TT-61141	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	ECONOMIZER TUBESIDE TEMPERATURE	Bar	COMP SKID	JB-UIA-641	AI	4-20mA	-	PW400	H	S	IS	2	11	4		
TT-61190	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6101	UCP-6101	UNIT CONTROL PANEL TEMPERATURE	C	UCP-6101	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	5		
IT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	MCC	UCP-6101	COMPRESSOR -A- MOTOR CURRENT	AMPS	MCC	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	6		
IT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	MCC	UCP-6102	COMPRESSOR -B- MOTOR CURRENT	AMPS	MCC	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	7		

Card Type/: Analog IN/ 8

TAG		DESCRIPTION			LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY			RACK	SLOT	CHANNEL						
PT-61111	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-611	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	0		
PT-61121	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SUCTION PRESSURE	Bar	COMP SKID	JB-UIA-621	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	1		
LT-61131	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR LEVEL	%	COMP SKID	JB-UIA-611	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	2		
LT-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	FIELD	UCP-6101	CHILLER LEVEL	%	VESSLS SKID	JB-UIA-641	AIR	4-20mA	-	PW400	H	S	IS	2	12,13	3		
						SPARE											2	12,13	4		
						SPARE											2	12,13	5		
						SPARE											2	12,13	6		
						SPARE											2	12,13	7		

Card Type: Analog OUT 4

TAG		DESCRIPTION			LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPUT	POWER SUPPLY			RACK	SLOT	CHANNEL		
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PV-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6101	FIELD	HOT GAS BYPASS CONTROL VALVE	%	VESSELS SKID	JB-UIA-641	AOR	4-20 mA	-	-	H	S	IS	2	14,15	0		
LV-61151	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6101	FIELD	CHILLER LEVEL CONTROL VALVE	%	VESSELS SKID	JB-UIA-641	AOR	4-20 mA	-	-	H	S	IS	2	14,15	1		
TV-61141	Propylene	VD-GPIC-MA-3029-3029-0015	FLOAT/REAL	UCP-6102	FIELD	ECONOMIZER TEMPERATURE CONTROL VALVE	%	VESSELS SKID	JB-UIA-641	AOR	4-20 mA	-	-	H	S	IS	2	14,15	2		
						SPARE				AOR	4-20 mA		-				2	14,15	3		

Note (1)- Barrier converter installed in UCP to convert PT100 Signal to 4-20mA signal

ULT003 - PLC I/O LIST
COUNT IS PER UNIT

AI : Analog Input
AO : Analog Output
H : Hardwire
S : Serial
DI: Digital Input
DO: Digital Output
DCS : Data Control Center
MCC : Motor Control Center
UCP-6101 : Unit Control Panel
LCP : Local Control Station
PLC : Programmable Logic Controller
PW400 : POWER SUPPLY 400 W

AIR: Analog Input Redundancy
AOR: Analog Output Redundancy
DIR: Digital Input Redundancy
DOR: Digital Output Redundancy
NO: Normally Open
NC: Normally Close
NDE: Normally De- Energize
NE: Normally Energize

This IO List is a document containing list of instrumentation which serve as input or output of control system.

IN-02. RTD signals of motors shall be added to IO list if they are not connected to MCC.