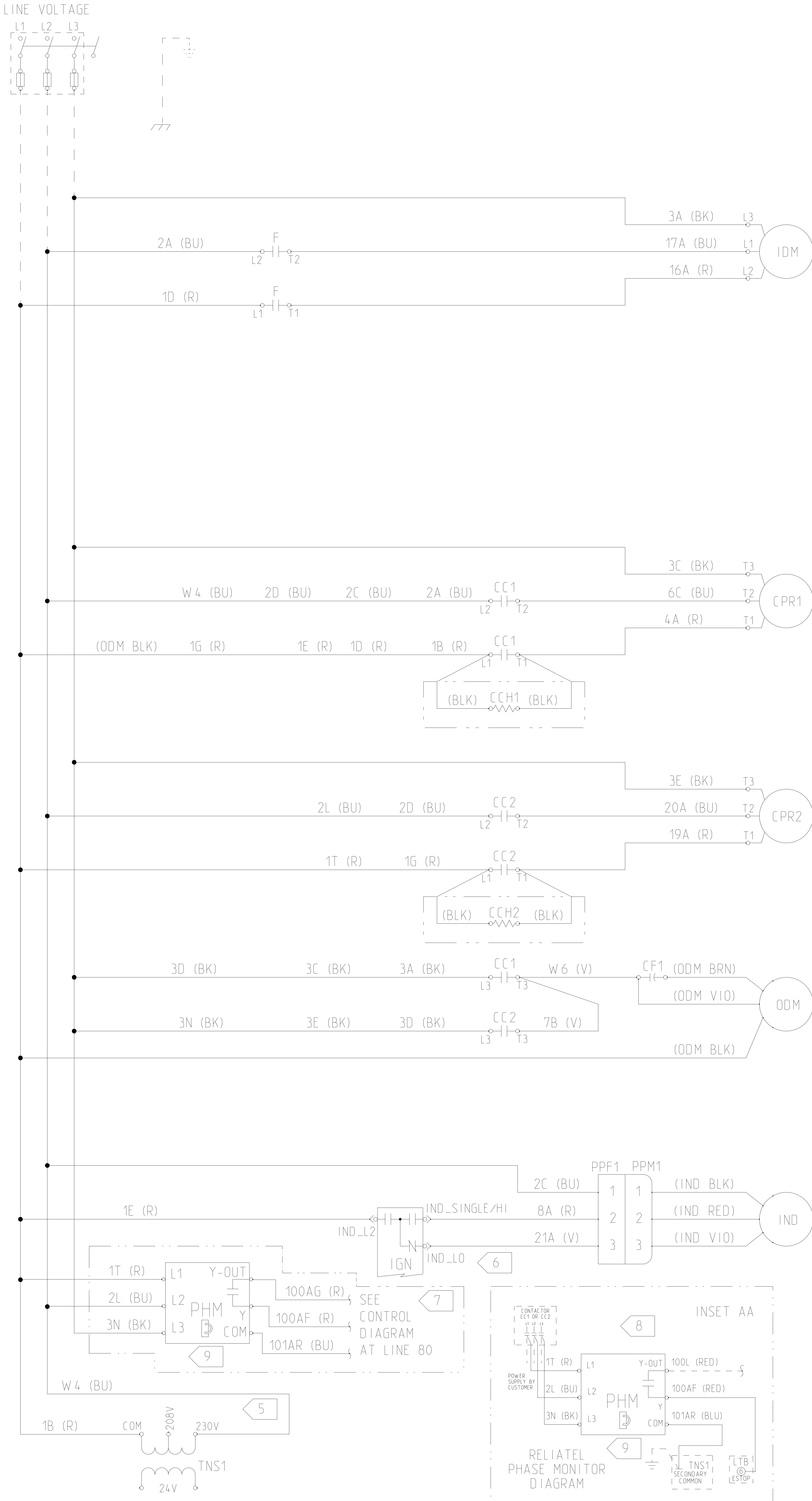




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR 1	23,25,37
CC2	COMPRESSOR CONTACTOR 2	31,33,39
CCH1	CRANKCASE HEATER 1	27
CCH2	CRANKCASE HEATER 2	35
CF1	OD FAN CAPACITOR	37
CPR1	COMPRESSOR 1	23
CPR2	COMPRESSOR 2	31
F	FAN CONTACTOR	10,12
IDM	ID FAN MOTOR	10
IGN	IGNITION MODULE	46
IND	INDUCER MOTOR	46
ODM	OD FAN MOTOR	38
PHM	PHASE MONITOR	48
TNS1	LOW VOLTAGE TRANSFORMER	53

COLOR	ABBR	COLOR	ABBR
BLACK	BK	ORANGE	O
BLUE	BU	RED	R
BROWN	BR	VIOLET (PURPLE)	V
GRAY (SLATE)	GY	WHITE	W
GREEN/YELLOW	G/Y	YELLOW	Y

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
 3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
 4. THREE-PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION AND COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
 5. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 (BLU) FROM THE 230V TERMINAL ON TNS1 TO THE 208V TERMINAL.
 6. CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS OPERATION. WHEN SINGLE-STAGE OPERATION IS REQUIRED, WIRE 21A (VIO) IS NOT CONNECTED TO IGN, AND WIRE (IND VIO) IS NOT PRESENT.
 7. (FUTURE) PHASE MONITOR CONNECTIONS SHOWN ARE FOR ELECTRO-MECHANICAL CONTROLS. FOR RELIATEL CONTROLS, SEE INSET AA.
 8. PHASE MONITOR CONNECTIONS FOR RELIATEL CONTROLS, MOVE 100L FROM LTB1-6 TO PHM Y-OUT. CONNECT 100AF TO LTB1-6. CONNECT WIRE 101AR TO TNS1 SECONDARY CM AND WIRE 100AG IS NOT USED.
 9. CUT PHM JUMPER FOR 50 HZ.
- **WARNING**

**AVERTISSEMENT**

**ADVERTENCIA**

 WARNING HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, MUST FOLLOW THE VARIATION INSTRUCTIONS FOR CAPACITOR DISCHARGE. FAILURE TO TAKE THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.	 AVERTISSEMENT TENSION DANGEREUSE! COUPER TOUTES LES TENSIONS ET OUVRIER LES SECTIONNEURS A DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRETIENNEMENTS À VITESSE VARIABLE, SE RÉFÉRER AUX INSTRUCTIONS DE L'ENTRETIENMENT POUR DÉCHARGER LES CONDENSATEURS. NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.	 ADVERTENCIA ¡VOLTAJE PELIGROSO! DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDAS LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR. EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÁ OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.
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CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN
CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS
CONÇUES POUR RECEVOIR D'AUTRES TYPES
DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR
PEUT ENDOMMAGER L'EQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE
COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN
DISEÑADAS PARA ACEPTAR OTROS TIPOS DE
CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL
EQUIPO.

IMPORTANT

DO NOT ENERGIZE UNIT UNTIL
CHECK-OUT AND START-UP
PROCEDURE HAS BEEN COMPLETED.

WIRE NUMBER	SPOOL
3A	14_BLK_2
3E	14_BLK_2
3N	14_BLK_2
17A	14_BLU_2
20A	14_BLU_2
2A	14_BLU_2
2L	14_BLU_2
6C	14_BLU_2
100AG	14_RED_2
16A	14_RED_2
19A	14_RED_2
1D	14_RED_2
1T	14_RED_2
4A	14_RED_2
W 6	14_VIO_2
3C	18_BLK_2
3D	18_BLK_2
CCH-BLK1	18_BLK_2
CCH-BLK2	18_BLK_2
CCH2_LT	18_BLK_2
CCH2_RT	18_BLK_2
IND-BLK	18_BLK_2
ODM-BLK	18_BLK_2
W 031	18_BLK_2
101AR	18_BLU_2
2C	18_BLU_2
2D	18_BLU_2
W 4	18_BLU_2
W 030	18_BLU_2
ODM-BRN	18_BRN_2
100AF	18_RED_2
1B	18_RED_2
1E	18_RED_2
1G	18_RED_2
8A	18_RED_2
IND-RED	18_RED_2
W 029	18_RED_2
21A	18_VIO_2
7B	18_VIO_2
IND-VIO	18_VIO_2
ODM-VIO	18_VIO_2

FROM				WIRE NUMBER		TO			
COMPONENT	PART NUMBER	PIN	TERMINATOR			COMPONENT	PART NUMBER	PIN	TERMINATOR
CC1	TBD	L1		1B	18_RED_2	TNS1	TBD	H1	
CC1	TBD	T1		4A	14_RED_2	CPR1	TBD		
CC1	TBD	T2		6C	14_BLU_2	CPR1	TBD		
CC2	TBD	L1		1T	14_RED_2		PHM		
CC2	TBD	L1		1G	18_RED_2	CC1	TBD	L1	
CC2	TBD	L2		2L	14_BLU_2		PHM		
CC2	TBD	L2		2D	18_BLU_2	CC1	TBD	L2	
CC2	TBD	L3		3N	14_BLK_2		PHM		
CC2	TBD	L3		3D	18_BLK_2	CC1	TBD	L3	
CC2	TBD	T3		7B	18_VIO_2	CC1	TBD	T3	
CF1	TBD			W 6	14_VIO_2	CC1	TBD	T3	
CPR1	TBD			3C	18_BLK_2	CC1	TBD	L3	
CPR2	TBD			3E	14_BLK_2	CC2	TBD	L3	
CPR2	TBD			20A	14_BLU_2	CC2	TBD	T2	
CPR2	TBD			19A	14_RED_2	CC2	TBD	T1	
F	TBD	L1		1D	14_RED_2	CC1	TBD	L1	
F	TBD	L2		2A	14_BLU_2	CC1	TBD	L2	
IDM	TBD			3A	14_BLK_2	CC1	TBD	L3	
IDM	TBD			17A	14_BLU_2	F	TBD	T2	
IDM	TBD			16A	14_RED_2	F	TBD	T1	
IGN	X1365_0876_01	IND_L2		1E	18_RED_2	CC1	TBD	L1	
IGN	X1365_0876_01	IND_SINGLE/HI		8A	18_RED_2	PPF1	NA	2	
PPF1	NA	1		2C	18_BLU_2	CC1	TBD	L2	
PPF1	NA	KAREN AND CASSANDRA'S DIAGNOSTIC CHECK LIST: 8/7/00				IGN	X1365_0876_01	IND_L0	
TNS1	TBD	H3		W 4	18_BLU_2	CC1	TBD	L2	
COMPONENT	PART NUMBER	PIN	ENTRY	WIRE NUMBER		COMPONENT	PART NUMBER	PIN	ENTRY
	PHM			100AF	101AR18_RED_28_BLU_2				
	PHM			100AG	100AF14_RED_28_RED_2				
	PHM			101AR	18_BLU_2				
IDM	TBD			16A	14_RED_2	F	TBD	T1	T1
IDM	TBD			17A	14_BLU_2	F	TBD	T2	T2
CPR2	TBD			19A	14_RED_2	CC2	TBD	T1	T1
CC1	TBD	L1	L1	1B	18_RED_2	TNS1	TBD	H1	H1
F	TBD	L1	L1	1D	14_RED_2	CC1	TBD	L1	L1
IGN	X1365_0876_01	IND_L2	IND_L2	1E	18_RED_2	CC1	TBD	L1	L1
CC2	TBD	L1	L1	1G	18_RED_2	CC1	TBD	L1	L1
CC2	TBD	L1	L1	1T	14_RED_2		PHM		
CPR2	TBD			20A	14_BLU_2	CC2	TBD	T2	T2
PPF1	NA	3	3	21A	18_VIO_2	IGN	X1365_0876_01	IND_L0	IND_L0
F	TBD	L2	L2	2A	14_BLU_2	CC1	TBD	L2	L2
PPF1	NA	1	1	2C	18_BLU_2	CC1	TBD	L2	L2
CC2	TBD	L2	L2	2D	18_BLU_2	CC1	TBD	L2	L2
CC2	TBD	L2	L2	2L	14_BLU_2		PHM		
IDM	TBD			3A	14_BLK_2	CC1	TBD	L3	L3
CPR1	TBD			3C	18_BLK_2	CC1	TBD	L3	L3
CC2	TBD	L3	L3	3D	18_BLK_2	CC1	TBD	L3	L3
CPR2	TBD			3E	14_BLK_2	CC2	TBD	L3	L3
CC2	TBD	L3	L3	3N	14_BLK_2		PHM		
CC1	TBD	T1	T1	4A	14_RED_2	CPR1	TBD		
CC1	TBD	T2	T2	6C	14_BLU_2	CPR1	TBD		
CC2	TBD	T3	T3	7B	18_VIO_2	CC1	TBD	T3	T3
IGN	X1365_0876_01	IND_SINGLE/HI	IND_HI	8A	18_RED_2	PPF1	NA	2	2
TNS1	TBD	H3		W 4	18_BLU_2	CC1	TBD	L2	L2
CF1	TBD		LT	W 6	14_VIO_2	CC1	TBD	T3	T3

REF DES	ENTRY_PORT	PIN NAME	MODEL NAME
CC1	L1	L1	TBD
CC1	L2	L2	TBD
CC1	L3	L3	TBD
CC1	T1	T1	TBD
CC1	T2	T2	TBD
CC1	T3	T3	TBD
CC2	L1	L1	TBD
CC2	L2	L2	TBD
CC2	L3	L3	TBD
CC2	T1	T1	TBD
CC2	T2	T2	TBD
CC2	T3	T3	TBD
CCH1		LT	TBD
CCH1		RT	TBD
CCH2		LT	TBD
CCH2		RT	TBD
CF1	1	1	TBD
CF1	LT	LT	TBD
CF1	RT	RT	TBD
CPR1		T1	TBD
CPR1		T2	TBD
CPR1		T3	TBD
CPR2		T1	TBD
CPR2		T2	TBD
CPR2		T3	TBD
F	L1	L1	TBD
F	L2	L2	TBD
F	T1	T1	TBD
F	T2	T2	TBD
IDM		T1	TBD
IDM		T2	TBD
IDM		T3	TBD
IGN	IND_HI	2	X1365_0876_01
IGN	IND_L2	1	X1365_0876_01
IGN	IND_L0	3	X1365_0876_01
IND		1	TBD
IND		2	TBD
IND		3	TBD
IND		4	TBD
IND		5	TBD
IND		6	TBD
ODM		1	TBD
ODM		2	TBD
ODM		3	TBD
ODM		4	TBD
ODM		5	TBD
ODM		6	TBD
PHM		PHM_COM	PHM
PHM		PHM_L1	PHM
PHM		PHM_L2	PHM
PHM		PHM_L3	PHM
PHM		PHM_Y	PHM
PHM		PHM_Y-OUT	PHM
TNS1	H1	H1	TBD
TNS1	H2	H2	TBD
TNS1	H3	H3	TBD
TNS1	X1	X1	TBD
TNS1	X2	X2	TBD